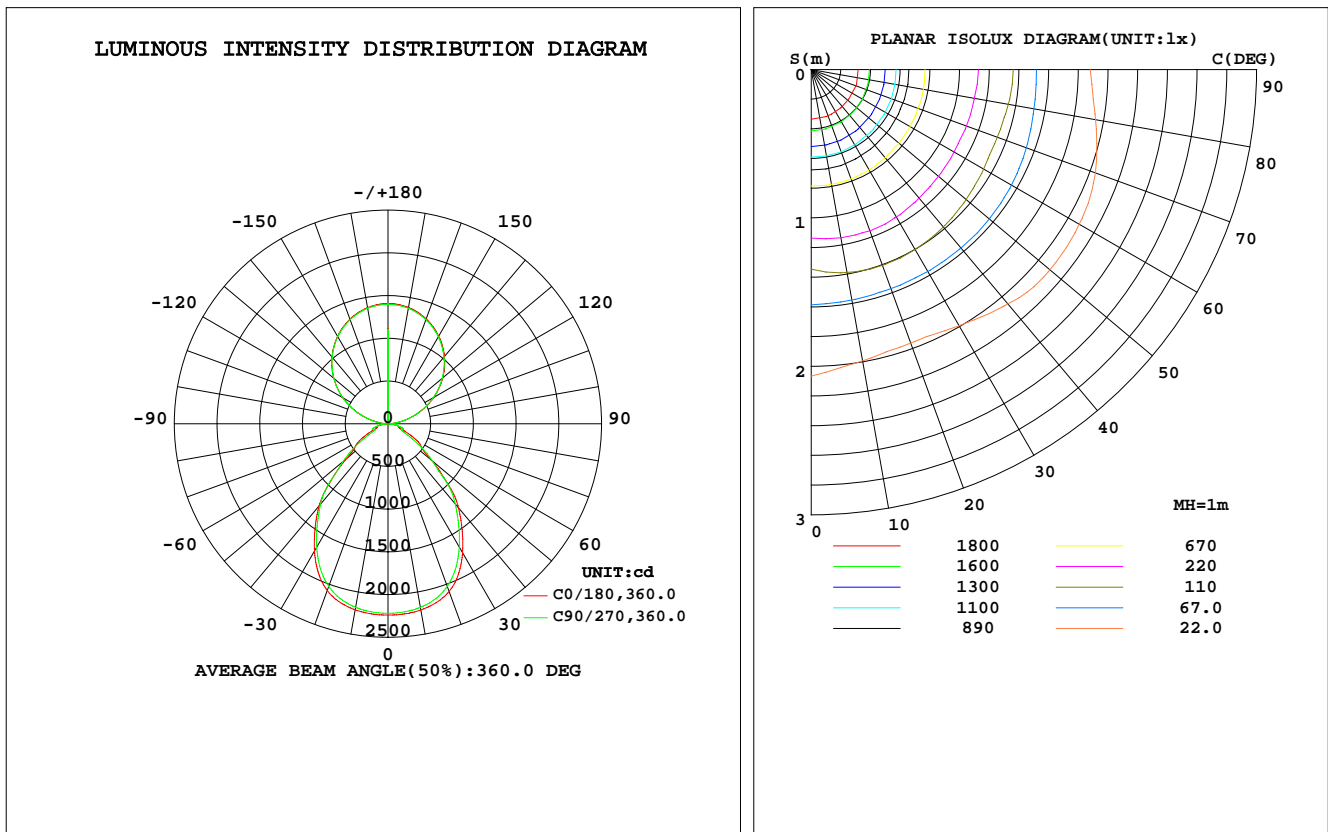


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.69 lm/W			
MODEL		Imax(cd)	2240	S/MH(C0/180)	1.17
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.14
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	8169.3	η UP,DN(C0-180)	24.3,25.7
NOMINAL FLUX(lm)	8169.28	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.3,25.7
LAMPS INSIDE	1	η up(%)	48.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	51.4	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

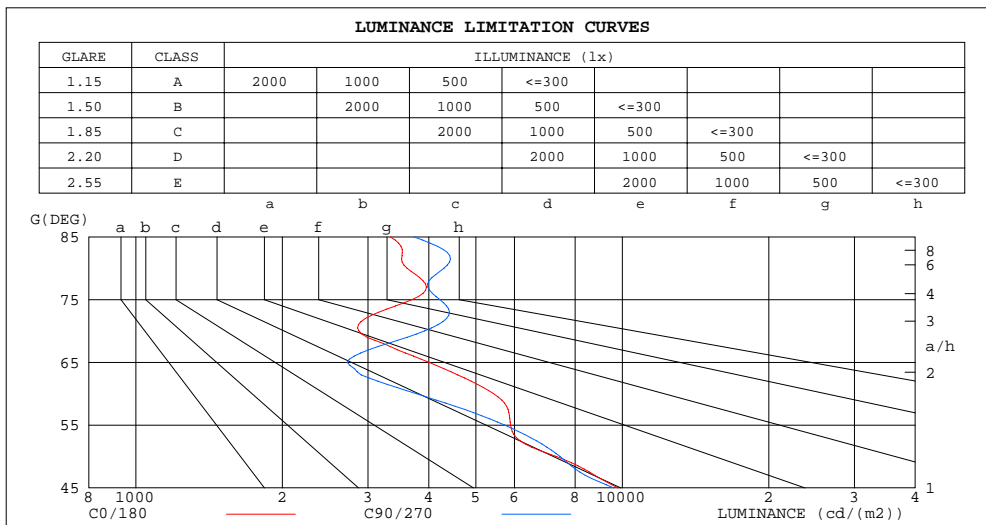
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	2214	2197	2182	2180	2211	2194	2182	2182	0- 10	210.7	210.7	2.58,2.58
20	2090	2057	2027	2035	2078	2047	2028	2045	10- 20	602.5	813.1	9.95,9.95
30	1746	1705	1668	1678	1721	1688	1670	1700	20- 30	869.5	1683	20.6,20.6
40	1284	1250	1225	1226	1255	1233	1228	1249	30- 40	916.2	2599	31.8,31.8
50	668.3	673.8	680.9	670.2	631.0	664.1	690.6	686.0	40- 50	733.7	3332	40.8,40.8
60	386.9	364.5	268.6	349.8	367.8	355.9	267.1	365.8	50- 60	439.3	3772	46.2,46.2
70	139.8	200.7	190.8	199.1	137.8	195.2	192.9	206.6	60- 70	235.8	4008	49.1,49.1
80	89.19	85.22	106.2	83.32	84.33	86.91	111.5	86.69	70- 80	146.3	4154	50.8,50.8
90	1.389	1.455	1.438	1.333	1.339	1.372	1.394	1.405	80- 90	45.71	4200	51.4,51.4
100	152.2	154.8	156.8	146.9	143.5	144.4	155.4	154.0	90-100	65.60	4265	52.2,52.2
110	380.4	386.2	380.7	378.2	371.1	373.5	377.6	385.2	100-110	277.0	4542	55.6,55.6
120	619.6	617.3	614.1	610.4	610.5	605.8	611.5	617.6	110-120	491.6	5034	61.6,61.6
130	836.1	831.5	828.9	826.2	827.9	821.1	827.3	833.1	120-130	646.3	5680	69.5,69.5
140	1028	1021	1019	1017	1020	1012	1017	1023	130-140	715.1	6395	78.3,78.3
150	1187	1179	1178	1177	1181	1171	1176	1182	140-150	689.8	7085	86.7,86.7
160	1307	1298	1298	1298	1303	1292	1297	1302	150-160	573.1	7658	93.7,93.7
170	1382	1372	1373	1375	1380	1369	1373	1377	160-170	378.8	8037	98.4,98.4
180	1407	1407	1407	1407	1407	1407	1407	1407	170-180	132.4	8169	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3332	3727
80	3610	4300
75	3697	4215
70	2872	3919
65	4005	2720
60	5438	3775
55	5892	5732
50	7306	7445
45	9792	9590

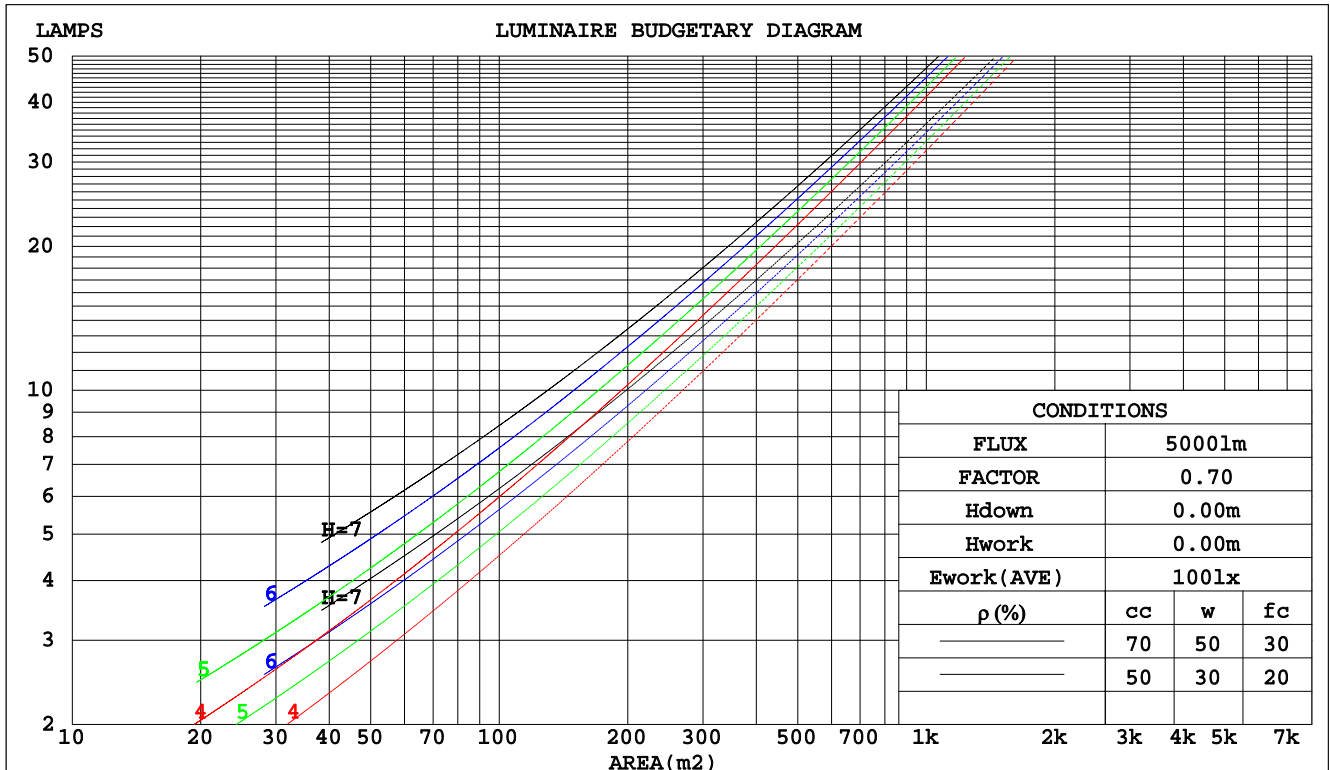
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.70	.70	.70	.57	.57	.57	.51
1.0	.95	.91	.88	.88	.85	.82	.75	.73	.71	.63	.62	.60	.52	.51	.50	.45
2.0	.84	.79	.74	.78	.73	.69	.67	.63	.60	.57	.54	.52	.47	.45	.44	.39
3.0	.75	.68	.63	.70	.64	.59	.60	.56	.52	.51	.48	.45	.43	.40	.39	.35
4.0	.67	.60	.54	.63	.56	.51	.54	.49	.45	.46	.43	.40	.39	.36	.34	.31
5.0	.60	.53	.47	.56	.50	.45	.49	.44	.40	.42	.38	.35	.36	.33	.30	.27
6.0	.54	.47	.41	.51	.44	.39	.44	.39	.35	.38	.34	.31	.33	.30	.27	.25
7.0	.50	.42	.37	.46	.40	.35	.41	.35	.31	.35	.31	.28	.30	.27	.25	.22
8.0	.45	.38	.33	.42	.36	.31	.37	.32	.28	.32	.28	.25	.28	.25	.22	.20
9.0	.41	.34	.29	.39	.33	.28	.34	.29	.26	.30	.26	.23	.26	.23	.20	.18
10.0	.38	.31	.27	.36	.30	.26	.32	.27	.23	.28	.24	.21	.24	.21	.19	.17



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

WEC AND CCEC

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.256	.145	.046	.234	.133	.042	.194	.111	.035	.156	.090	.029	.122	.071	.023		
2.0	.239	.131	.040	.220	.121	.037	.183	.102	.032	.149	.084	.026	.118	.067	.021		
3.0	.223	.119	.036	.205	.110	.033	.172	.093	.028	.140	.077	.024	.112	.062	.019		
4.0	.208	.108	.032	.191	.100	.030	.161	.085	.025	.132	.071	.021	.106	.057	.017		
5.0	.194	.099	.029	.179	.092	.027	.151	.078	.023	.124	.066	.020	.100	.053	.016		
6.0	.182	.091	.026	.168	.085	.024	.142	.073	.021	.117	.061	.018	.094	.050	.015		
7.0	.170	.084	.024	.158	.079	.022	.133	.067	.019	.111	.057	.016	.089	.046	.014		
8.0	.160	.078	.022	.148	.073	.021	.126	.063	.018	.105	.053	.015	.085	.043	.013		
9.0	.151	.073	.020	.140	.068	.019	.119	.059	.017	.099	.050	.014	.080	.041	.012		
10.0	.143	.068	.019	.132	.064	.018	.113	.055	.016	.094	.047	.013	.077	.039	.011		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.561	.561	.561	.479	.479	.479	.327	.327	.327	.188	.188	.188	.060	.060	.060	
1.0	.550	.530	.512	.470	.455	.441	.322	.313	.305	.185	.181	.177	.059	.058	.057	
2.0	.541	.508	.480	.463	.437	.415	.318	.303	.290	.183	.176	.170	.059	.057	.055	
3.0	.533	.492	.459	.457	.424	.398	.314	.295	.279	.181	.172	.164	.058	.056	.054	
4.0	.526	.480	.444	.451	.414	.386	.310	.289	.272	.180	.169	.161	.058	.055	.053	
5.0	.520	.470	.433	.446	.407	.377	.307	.284	.266	.178	.167	.158	.057	.054	.052	
6.0	.513	.462	.426	.441	.400	.371	.304	.280	.262	.177	.165	.156	.057	.054	.051	
7.0	.508	.456	.420	.437	.395	.366	.302	.277	.259	.175	.163	.154	.057	.053	.051	
8.0	.502	.451	.416	.432	.391	.362	.299	.275	.257	.174	.162	.153	.056	.053	.051	
9.0	.497	.446	.412	.428	.387	.360	.297	.272	.255	.173	.161	.152	.056	.053	.050	
10.0	.492	.443	.410	.424	.384	.357	.294	.270	.254	.172	.160	.152	.056	.053	.050	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm										
NAME: LED Free Standing Luminaire					TYPE: MONA 80W			WEIGHT:		
SPEC.:					DIM.: 610*310*30			SERIAL No.:		
MFR.: Cyanlite					SUR.:0.556*0.256			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	15.4	16.2	16.2	17.1	18.1	14.9	15.8	15.7	16.6	17.6
3H	15.7	16.5	16.5	17.3	18.4	15.4	16.1	16.2	17.0	18.1
4H	16.0	16.7	16.8	17.6	18.7	15.8	16.5	16.7	17.4	18.5
6H	16.2	16.9	17.1	17.8	18.9	16.1	16.8	17.0	17.7	18.8
8H	16.3	16.9	17.2	17.8	19.0	16.3	16.9	17.2	17.8	19.0
12H	16.3	16.9	17.2	17.8	19.0	16.3	17.0	17.3	17.9	19.0
4H 2H	15.4	16.1	16.2	17.0	18.1	15.0	15.7	15.9	16.6	17.7
3H	15.9	16.6	16.9	17.5	18.6	15.7	16.3	16.6	17.2	18.4
4H	16.3	16.9	17.3	17.8	19.0	16.2	16.8	17.2	17.7	18.9
6H	16.7	17.2	17.7	18.1	19.4	16.7	17.1	17.6	18.1	19.3
8H	16.9	17.3	17.8	18.3	19.5	16.9	17.3	17.9	18.3	19.5
12H	17.0	17.4	17.9	18.3	19.6	17.0	17.4	18.0	18.4	19.7
8H 4H	16.4	16.8	17.3	17.8	19.0	16.2	16.7	17.2	17.6	18.9
6H	16.9	17.2	17.9	18.2	19.5	16.8	17.2	17.8	18.2	19.4
8H	17.1	17.4	18.1	18.4	19.7	17.2	17.5	18.2	18.5	19.8
12H	17.3	17.6	18.3	18.6	19.9	17.4	17.6	18.4	18.7	20.0
12H 4H	16.3	16.7	17.3	17.7	18.9	16.2	16.6	17.2	17.6	18.8
6H	16.9	17.2	17.9	18.2	19.5	16.8	17.1	17.8	18.1	19.4
8H	17.2	17.4	18.2	18.4	19.8	17.2	17.5	18.2	18.5	19.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6				
1.5H	+ 0.4 / - 0.6					+ 0.3 / - 0.2				
2.0H	+ 1.2 / - 1.2					+ 1.1 / - 1.1				

CIE Pub.117, 8169 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.3$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:

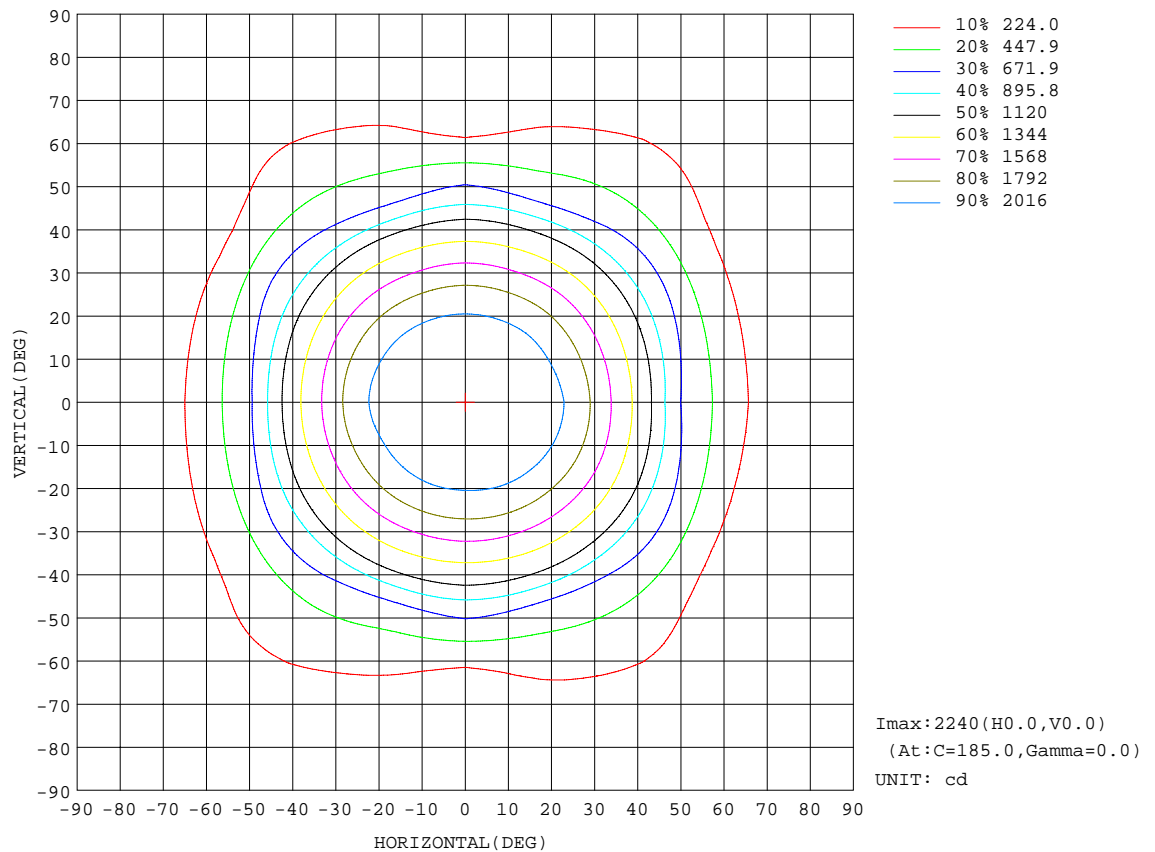
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	49	39	34	47	38	33	43	35	31	24
0.80	59	48	42	56	46	41	50	43	38	28
1.00	66	56	49	62	53	47	55	49	44	33
1.25	73	63	56	68	60	54	60	54	49	36
1.50	77	68	61	72	64	59	63	57	53	38
2.00	84	75	69	78	71	66	68	63	59	41
2.50	88	80	74	82	75	70	71	66	62	42
3.00	91	84	78	84	79	74	73	69	65	44
4.00	95	89	84	88	83	79	75	72	69	46
5.00	97	92	88	90	86	82	77	74	72	47
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

ISOCANDELA DIAGRAM

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:

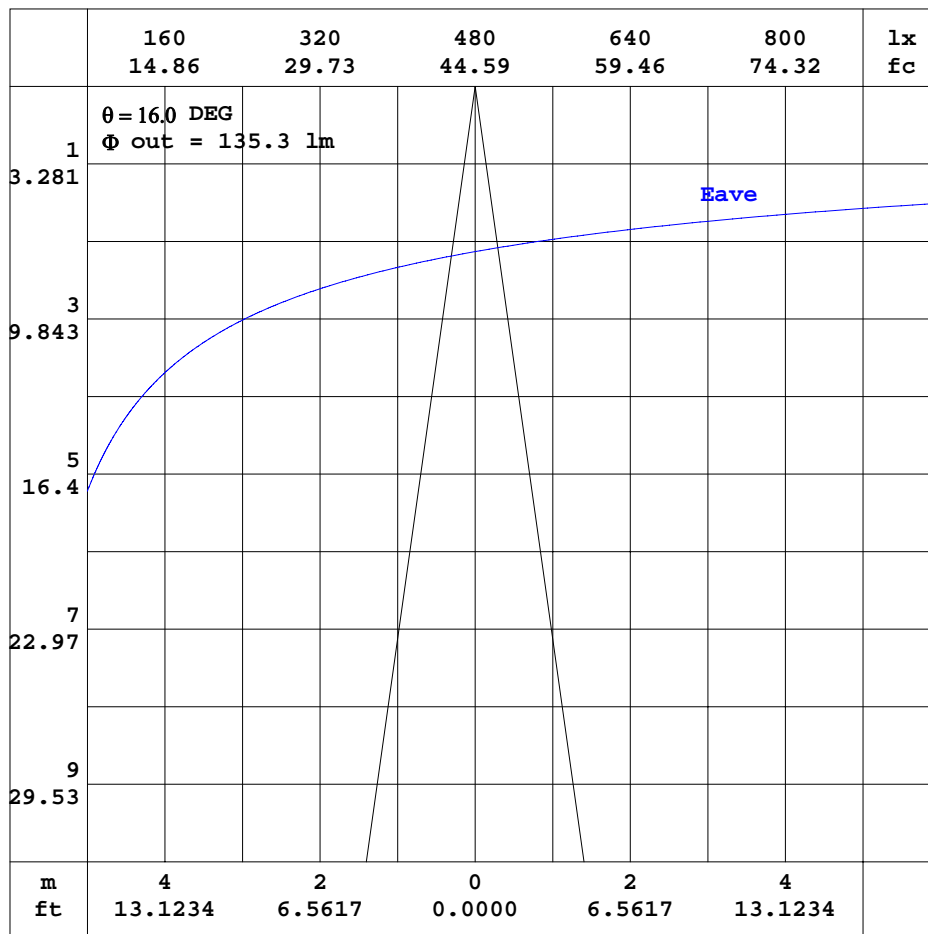


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-4-2

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 9.370m [K=1.0672]
 Remarks:

AAI CURVES

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:



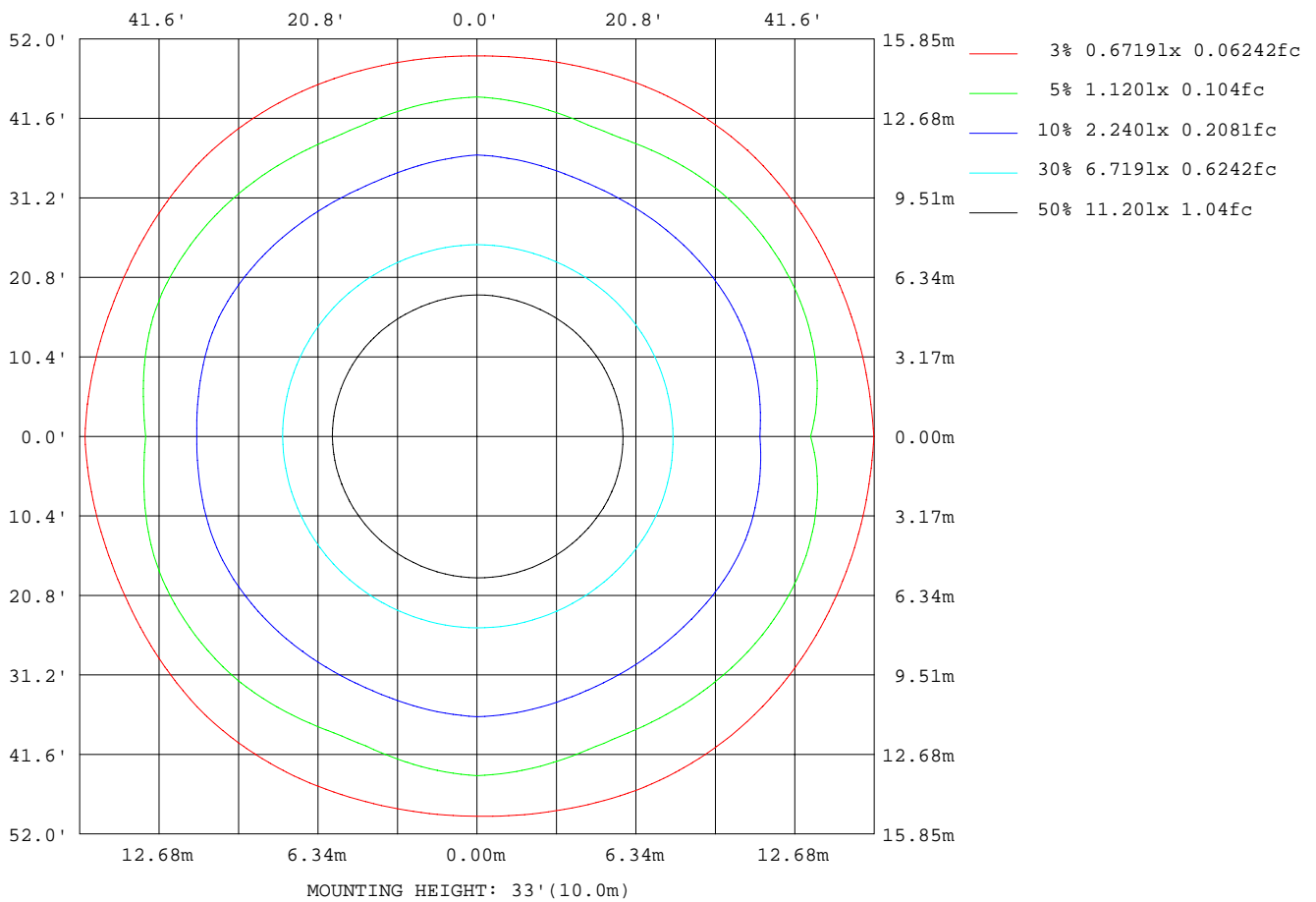
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-4-2

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:9.370m [K=1.0672]
 Remarks:

ISOLUX DIAGRAM

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

LED Avg.L Report

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:

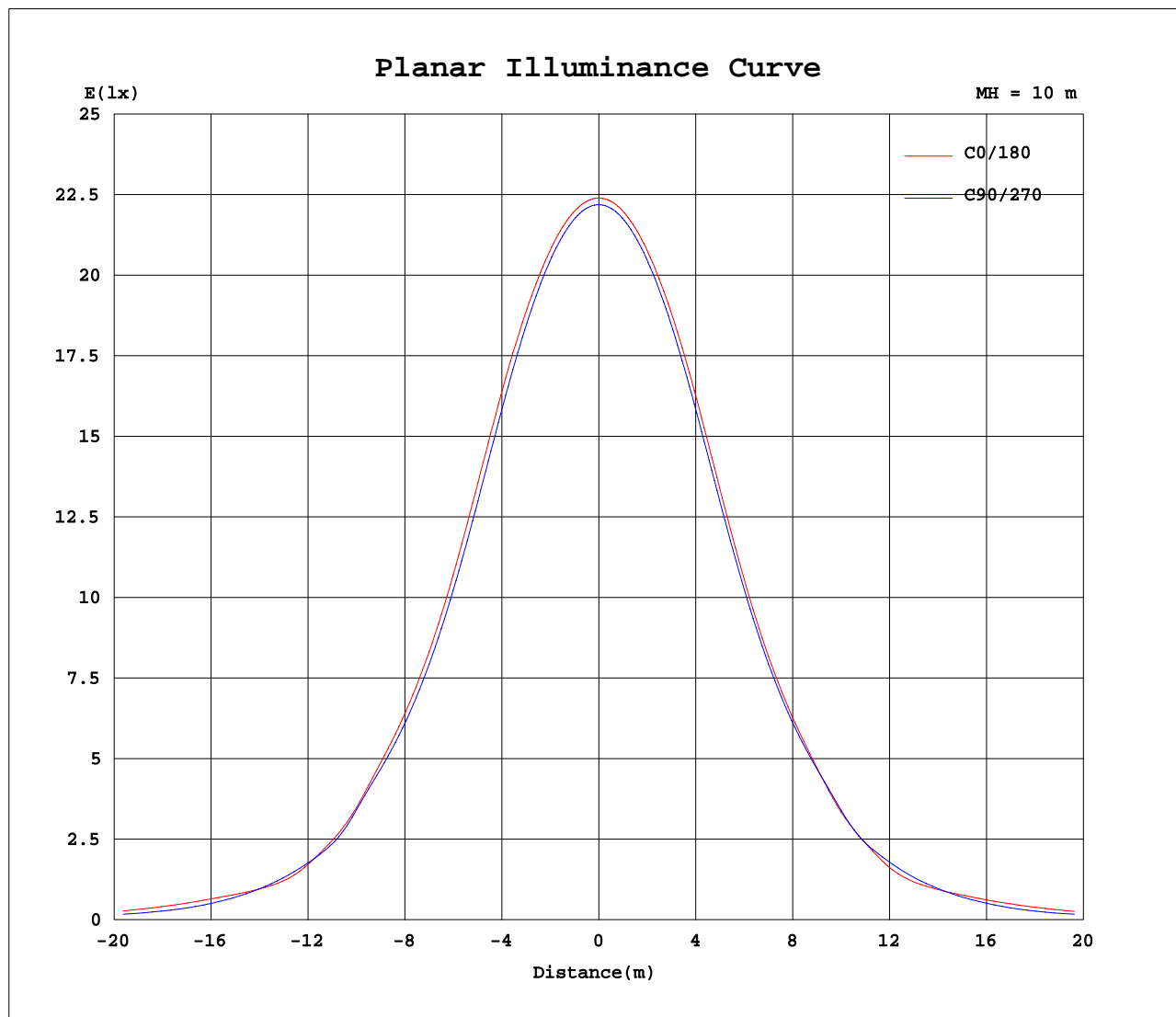
AvgL	cd/m2
L_0~180(65)av	3865
L_0~180(75)av	3710
L_0~180(85)av	3019
L_90~270(65)av	2725
L_90~270(75)av	4263
L_90~270(85)av	3865
L_45(65)av	4409
L_45(75)av	3495
L_45(85)av	3194

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2020-4-2

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 9.370m [K=1.0672]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2240	2238	2237	2235	2234	2233	2231	2230	2229	2228	2227	2226	2225	2224	2223	2222	2221	2220	2219
5	2234	2233	2232	2230	2229	2227	2226	2224	2222	2221	2220	2219	2217	2216	2215	2214	2213	2212	2210
10	2214	2213	2211	2210	2208	2206	2204	2201	2199	2197	2195	2193	2191	2190	2188	2186	2185	2183	2182
15	2170	2168	2167	2165	2162	2160	2156	2153	2150	2146	2144	2141	2139	2137	2135	2132	2130	2128	2126
20	2090	2088	2086	2083	2080	2076	2072	2067	2062	2057	2054	2050	2047	2043	2040	2036	2032	2029	2027
25	1948	1947	1946	1943	1940	1935	1929	1923	1916	1909	1904	1899	1894	1890	1886	1881	1877	1874	1872
30	1746	1747	1748	1746	1743	1738	1731	1723	1714	1705	1699	1693	1687	1682	1678	1675	1672	1670	1668
35	1513	1516	1517	1517	1515	1510	1502	1494	1484	1475	1469	1463	1457	1453	1449	1447	1445	1444	1443
40	1284	1287	1289	1288	1286	1282	1275	1267	1258	1250	1244	1239	1234	1230	1228	1227	1226	1225	1225
45	985	1006	1021	1030	1033	1028	1016	1000	982	965	953	943	935	931	933	942	951	960	965
50	668	699	722	737	745	743	731	715	695	674	654	637	622	612	616	633	652	669	681
55	481	504	521	534	542	542	536	527	515	502	491	480	470	462	459	460	463	466	468
60	387	365	348	336	328	328	335	345	355	365	367	368	365	359	345	323	301	282	269
65	241	222	208	200	197	204	218	235	252	266	268	266	260	250	235	214	194	176	164
70	140	155	168	179	188	195	199	201	202	201	197	192	187	183	181	184	187	189	191
75	136	140	143	145	145	144	142	139	136	134	135	137	140	143	146	149	152	154	155
80	89.2	90.9	92.1	92.7	92.8	91.9	90.2	88.3	86.5	85.2	85.7	86.8	88.5	90.7	93.9	97.8	102	104	106
85	41.3	41.6	41.7	41.9	42.0	41.9	41.7	41.5	41.5	41.7	42.8	44.1	45.4	46.6	47.3	47.4	47.2	46.8	46.2
90	1.39	1.37	1.37	1.36	1.36	1.37	1.39	1.41	1.43	1.45	1.47	1.49	1.50	1.51	1.51	1.50	1.48	1.46	1.44
95	54.4	54.3	54.4	54.5	54.7	55.0	55.3	55.7	56.2	56.7	57.3	57.9	58.5	59.1	59.9	60.9	61.6	62.1	62.3
100	152	152	152	153	153	153	154	154	154	155	155	156	156	157	157	157	157	157	157
105	263	263	263	264	264	264	265	265	265	266	267	267	267	268	267	267	266	265	264
110	380	380	380	380	380	381	383	384	385	386	386	385	384	383	382	382	381	381	381
115	501	500	499	499	499	500	501	502	503	504	503	502	501	500	499	499	499	498	498
120	620	618	618	617	616	616	616	617	617	617	617	616	616	615	614	614	614	614	614
125	731	729	728	727	726	726	726	726	727	727	727	726	725	725	724	724	724	724	724
130	836	834	833	832	831	830	831	831	831	831	831	830	830	829	829	829	829	829	829
135	935	933	932	930	929	929	929	929	929	929	930	929	929	928	928	927	927	927	927
140	1028	1025	1023	1022	1020	1020	1020	1020	1020	1021	1020	1020	1019	1019	1019	1019	1019	1019	1019
145	1112	1109	1107	1105	1104	1103	1103	1103	1104	1104	1104	1103	1103	1102	1102	1102	1102	1103	1103
150	1187	1184	1182	1180	1178	1178	1178	1178	1178	1179	1178	1178	1178	1177	1177	1177	1177	1178	1178
155	1252	1249	1247	1245	1243	1242	1242	1243	1243	1243	1243	1243	1243	1242	1242	1243	1243	1243	1243
160	1307	1304	1301	1299	1297	1297	1297	1297	1297	1298	1298	1298	1297	1297	1297	1297	1298	1298	1298
165	1351	1347	1344	1342	1341	1340	1340	1340	1340	1341	1341	1341	1341	1341	1341	1341	1341	1341	1342
170	1382	1378	1376	1373	1372	1371	1371	1371	1371	1372	1372	1372	1372	1372	1372	1372	1373	1373	1373
175	1401	1397	1394	1392	1390	1389	1389	1389	1390	1391	1391	1391	1391	1391	1391	1392	1392	1392	1392
180	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2218	2217	2217	2216	2215	2214	2214	2213	2212	2210	2208	2207	2207	2211	2218	2226	2233	2240	2240
5	2210	2209	2208	2208	2207	2207	2206	2205	2205	2203	2202	2201	2201	2205	2212	2220	2227	2233	2234
10	2181	2181	2181	2180	2180	2180	2180	2180	2180	2179	2178	2178	2179	2183	2190	2198	2205	2211	2211
15	2125	2125	2126	2126	2126	2126	2127	2127	2127	2127	2128	2129	2131	2136	2143	2151	2159	2165	2164
20	2027	2027	2028	2029	2030	2031	2032	2033	2035	2036	2037	2039	2042	2048	2056	2065	2072	2078	2077
25	1870	1870	1870	1871	1873	1875	1877	1879	1882	1885	1888	1892	1896	1902	1909	1916	1923	1928	1927
30	1666	1664	1663	1663	1664	1667	1670	1674	1678	1682	1686	1691	1695	1701	1707	1712	1717	1721	1721
35	1440	1438	1437	1436	1437	1439	1442	1446	1450	1454	1459	1463	1467	1472	1477	1481	1485	1488	1488
40	1222	1220	1218	1216	1216	1218	1220	1223	1226	1229	1233	1236	1240	1243	1247	1250	1253	1255	1255
45	952	937	921	906	900	903	909	918	929	940	951	961	969	971	965	959	952	946	952
50	662	639	615	594	591	605	625	647	670	686	698	707	711	702	683	663	644	631	648
55	462	456	450	446	449	459	471	483	494	501	506	509	509	504	494	484	475	469	477
60	278	293	311	330	343	349	352	352	350	339	328	317	309	312	327	343	357	368	354
65	171	184	200	218	234	245	255	261	265	258	248	238	227	222	222	223	224	224	216
70	185	179	173	168	169	176	184	192	199	202	203	202	198	189	174	159	147	138	147
75	155	154	152	149	144	138	131	126	121	120	121	122	125	127	130	133	135	137	137
80	103	99.1	94.5	89.7	86.4	84.8	83.7	83.3	83.3	84.1	85.2	86.3	87.3	87.4	86.6	85.6	84.8	84.3	85.8
85	45.7	45.1	44.3	43.3	42.0	40.3	38.7	37.1	35.7	35.1	34.7	34.5	34.4	34.3	34.0	33.8	33.6	33.6	33.5
90	1.43	1.41	1.40	1.39	1.38	1.37	1.35	1.34	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.34	1.34	1.35
95	61.3	60.0	58.5	56.8	55.2	53.9	52.5	51.2	50.0	48.9	47.9	47.0	46.4	46.0	46.0	46.1	46.3	46.4	46.2
100	156	155	155	153	152	151	150	148	147	146	145	144	143	143	143	143	143	143	143
105	264	264	263	263	262	261	260	259	258	257	256	255	254	254	253	253	253	253	252
110	380	379	378	378	378	378	378	378	378	377	375	373	372	371	371	371	371	371	370
115	497	497	496	495	495	496	496	496	496	495	494	492	491	491	491	491	491	491	490
120	613	612	612	611	610	610	610	610	610	610	609	609	608	608	609	610	610	610	609
125	723	722	722	721	721	721	721	721	721	721	720	719	719	719	720	721	722	722	721
130	828	828	827	826	826	826	826	826	826	826	825	825	825	825	826	827	828	828	826
135	927	926	926	925	925	925	925	925	925	926	925	925	925	924	925	926	927	927	926
140	1018	1018	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1017	1018	1019	1020	1020	1019
145	1102	1102	1101	1101	1101	1101	1101	1101	1102	1101	1101	1101	1101	1102	1103	1104	1105	1105	1103
150	1177	1177	1177	1176	1176	1176	1177	1177	1177	1177	1177	1177	1177	1178	1179	1180	1181	1181	1179
155	1243	1243	1242	1242	1242	1242	1243	1243	1243	1243	1243	1243	1244	1244	1245	1246	1247	1247	1245
160	1298	1298	1297	1297	1297	1298	1298	1298	1298	1298	1299	1299	1299	1300	1301	1302	1303	1303	1301
165	1342	1342	1342	1342	1342	1342	1342	1343	1343	1343	1343	1344	1344	1345	1346	1347	1347	1347	1345
170	1373	1374	1374	1374	1374	1374	1374	1375	1375	1375	1376	1376	1377	1377	1379	1379	1380	1380	1378
175	1393	1393	1393	1394	1394	1394	1394	1395	1395	1395	1396	1396	1397	1398	1399	1400	1400	1400	1398
180	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm		
NAME: LED Free Standing Luminaire	TYPE: MONA 80W	WEIGHT:
SPEC.:	DIM.: 610*310*30	SERIAL No.:
MFR.: Cyanlite	SUR.:0.556*0.256	Shielding Angle:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2239	2237	2235	2233	2231	2230	2229	2228	2227	2226	2225	2224	2223	2222	2221	2220	2219	2218	2217
5	2233	2231	2228	2226	2224	2223	2222	2220	2219	2218	2216	2215	2214	2213	2212	2211	2210	2209	2209
10	2210	2207	2204	2202	2200	2198	2196	2194	2192	2191	2189	2187	2186	2184	2183	2183	2182	2181	2181
15	2162	2159	2155	2151	2149	2146	2144	2141	2139	2136	2134	2132	2130	2129	2127	2127	2126	2125	2125
20	2074	2069	2064	2060	2057	2054	2050	2047	2043	2040	2036	2033	2031	2030	2028	2028	2028	2028	2028
25	1924	1920	1915	1911	1907	1902	1898	1893	1888	1883	1879	1875	1872	1871	1871	1871	1872	1873	1873
30	1720	1717	1714	1710	1705	1699	1693	1688	1681	1675	1669	1665	1663	1664	1665	1668	1670	1669	1669
35	1488	1486	1483	1479	1475	1469	1464	1458	1452	1446	1441	1437	1436	1437	1440	1442	1445	1444	1443
40	1256	1255	1253	1251	1247	1243	1238	1233	1228	1223	1219	1216	1215	1218	1221	1224	1228	1226	1225
45	959	966	971	969	960	949	936	923	912	902	896	893	899	915	932	948	961	955	945
50	671	694	716	723	715	701	684	664	642	621	603	592	598	621	647	671	691	675	653
55	487	499	509	513	510	505	498	490	481	473	466	460	458	460	464	467	470	466	461
60	337	319	303	301	312	327	342	356	359	359	355	348	334	314	295	278	267	280	297
65	209	202	198	203	216	231	246	259	261	260	255	247	232	212	192	176	164	174	189
70	159	174	188	197	199	199	198	195	193	190	187	184	185	187	190	192	193	187	181
75	137	136	135	133	131	128	127	126	128	132	136	141	145	150	154	157	159	157	154
80	87.6	89.5	91.1	91.4	90.3	89.1	87.9	86.9	87.2	88.0	89.4	91.4	95.1	100	105	109	112	108	104
85	33.5	33.7	34.0	34.5	35.2	36.2	37.3	38.5	40.1	41.8	43.4	45.0	46.4	47.6	48.5	49.2	49.6	49.7	49.5
90	1.35	1.36	1.37	1.37	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.38
95	46.0	45.8	45.7	45.8	46.2	46.8	47.6	48.6	50.0	51.6	53.3	55.0	56.6	58.1	59.4	60.6	61.4	61.7	61.7
100	143	143	142	142	143	143	144	144	146	148	150	152	154	154	155	155	155	156	157
105	252	252	252	252	252	253	254	255	257	258	260	261	262	262	263	263	263	264	265
110	370	369	369	369	370	371	372	373	375	376	377	378	378	378	378	378	378	379	380
115	489	489	488	488	489	490	491	492	493	494	494	495	495	495	495	495	495	496	498
120	608	607	605	605	605	605	605	606	607	608	609	610	611	611	611	611	612	613	614
125	719	717	716	715	715	715	716	716	717	718	719	720	721	721	722	722	722	723	725
130	825	823	821	820	820	820	820	821	822	823	824	825	826	826	826	827	827	828	830
135	924	922	920	919	918	919	919	920	921	922	923	924	924	925	925	925	926	927	928
140	1016	1014	1012	1010	1010	1010	1011	1012	1012	1013	1014	1015	1016	1016	1016	1017	1017	1018	1019
145	1101	1098	1096	1095	1094	1095	1095	1096	1096	1097	1098	1099	1099	1100	1100	1101	1101	1102	1103
150	1177	1174	1171	1170	1170	1170	1171	1172	1172	1173	1174	1175	1175	1175	1176	1176	1177	1177	1178
155	1243	1240	1237	1236	1236	1236	1236	1237	1237	1238	1239	1240	1240	1240	1241	1241	1242	1243	1244
160	1298	1295	1293	1291	1291	1291	1291	1292	1293	1293	1294	1295	1295	1296	1296	1296	1297	1298	1298
165	1342	1340	1337	1335	1335	1335	1336	1337	1337	1338	1338	1339	1339	1340	1340	1340	1341	1341	1342
170	1375	1372	1369	1368	1368	1368	1368	1369	1370	1370	1370	1371	1371	1372	1372	1372	1373	1373	1374
175	1395	1392	1389	1388	1388	1388	1388	1389	1390	1390	1390	1391	1391	1391	1391	1392	1392	1393	1393
180	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.88V I:0.3500A P:78.783W PF:0.9793 Freq:49.99Hz Lamp Flux:8169.28x1 lm																	
NAME: LED Free Standing Luminaire									TYPE: MONA 80W						WEIGHT:		
SPEC.:									DIM.: 610*310*30						SERIAL No.:		
MFR.: Cyanlite									SUR.:0.556*0.256						Shielding Angle:		

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2217	2216	2215	2214	2214	2213	2212	2210	2208	2207	2207	2210	2215	2221	2230				
5	2208	2207	2207	2206	2206	2206	2205	2204	2202	2201	2202	2204	2209	2216	2224				
10	2180	2180	2180	2180	2181	2181	2182	2181	2180	2180	2181	2184	2189	2196	2204				
15	2125	2126	2126	2128	2129	2131	2133	2133	2133	2134	2135	2139	2144	2151	2160				
20	2029	2030	2033	2036	2039	2042	2045	2047	2048	2050	2053	2057	2064	2071	2080				
25	1874	1876	1880	1885	1890	1895	1901	1904	1907	1911	1915	1919	1925	1932	1940				
30	1669	1670	1673	1679	1686	1693	1700	1706	1711	1715	1720	1725	1730	1735	1740				
35	1442	1442	1445	1451	1458	1465	1472	1478	1484	1489	1494	1499	1503	1507	1510				
40	1224	1223	1225	1230	1236	1242	1249	1254	1260	1265	1270	1274	1277	1280	1282				
45	935	926	925	934	946	960	974	988	1000	1011	1019	1021	1018	1011	1000				
50	630	610	606	621	640	663	686	704	719	731	738	738	730	715	695				
55	458	456	461	473	487	501	515	526	535	541	544	541	533	520	503				
60	318	339	354	362	366	367	366	357	347	338	331	331	338	350	366				
65	208	228	244	255	264	269	271	262	251	239	227	221	221	224	231				
70	175	170	172	180	189	198	207	209	210	208	204	196	186	174	158				
75	150	146	143	140	138	136	135	135	136	138	139	140	139	139	138				
80	98.6	93.2	89.6	88.0	87.0	86.6	86.7	87.1	87.8	88.5	89.3	89.8	89.9	89.8	89.6				
85	49.1	48.4	47.4	46.2	44.9	43.6	42.6	42.3	42.3	42.4	42.5	42.5	42.3	42.0	41.7				
90	1.37	1.37	1.37	1.38	1.39	1.40	1.41	1.40	1.39	1.38	1.38	1.37	1.37	1.38	1.38				
95	61.4	60.9	60.2	59.2	58.2	57.2	56.2	55.9	55.7	55.6	55.5	55.4	55.1	54.9	54.6				
100	158	159	158	157	156	155	154	154	154	154	154	154	154	153	153				
105	266	267	267	267	267	266	266	266	266	265	265	265	265	264	264				
110	382	383	384	385	385	385	385	385	385	385	385	384	383	383	382				
115	499	501	502	502	503	503	504	504	504	504	504	504	503	503	502				
120	616	617	618	618	618	618	618	618	619	620	621	621	621	621	620				
125	726	727	728	728	728	728	728	729	730	730	731	732	732	732	731				
130	831	832	833	833	833	833	833	834	835	836	836	837	837	837	837				
135	929	930	931	931	931	932	932	933	934	934	935	936	936	936	936				
140	1021	1022	1022	1023	1023	1023	1023	1024	1025	1026	1027	1028	1028	1028	1028				
145	1104	1105	1106	1106	1106	1107	1107	1108	1109	1110	1111	1111	1112	1112	1112				
150	1179	1180	1181	1181	1181	1181	1182	1183	1184	1185	1186	1186	1187	1187	1187				
155	1244	1245	1246	1246	1246	1247	1247	1248	1249	1250	1251	1252	1252	1252	1252				
160	1299	1300	1301	1301	1301	1301	1302	1303	1303	1304	1305	1306	1307	1307	1307				
165	1343	1344	1344	1344	1345	1345	1345	1346	1347	1348	1349	1349	1350	1350	1350				
170	1375	1375	1376	1376	1376	1376	1377	1377	1378	1379	1380	1381	1381	1381	1382				
175	1394	1394	1395	1395	1395	1395	1396	1396	1397	1398	1399	1399	1400	1400	1401				
180	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407	1407				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2020-4-2

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:9.370m [K=1.0672]
Remarks: