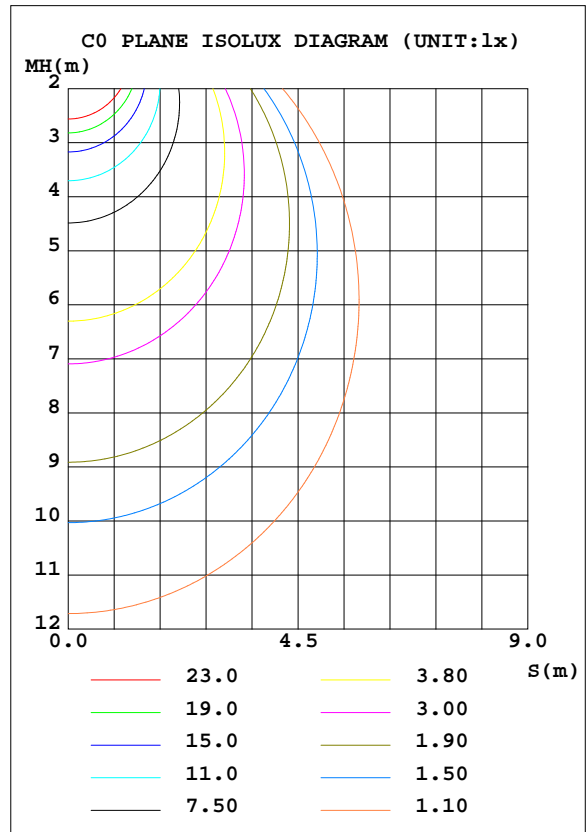
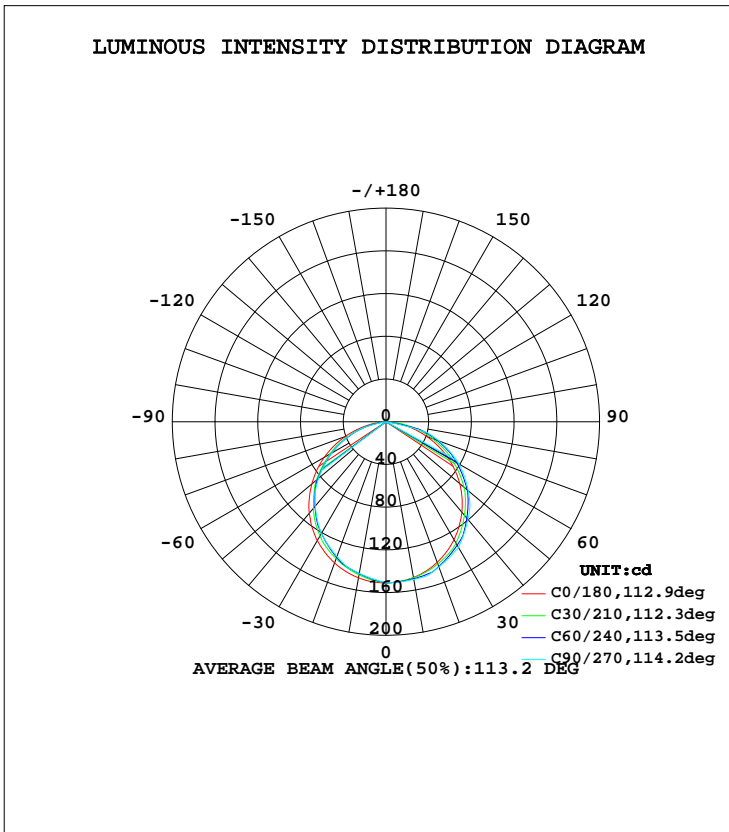


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.221x1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 38.96 lm/W			
MODEL	MIX-02-16.6-2.5M	I _{max} (cd)	150.9	S/MH(C0/180)	1.27
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	429.22	η UP, DN(C0-180)	0.0, 53.4
NOMINAL FLUX(lm)	429.221	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 46.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity:65.0%
 Test Distance:7.690m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	150.2	150.2	150.4	150.3	150.4	148.3	147.6	148.2	0- 5	3.585	3.585	0.84,0.84
10	148.1	148.8	149.9	149.0	148.4	144.9	144.2	144.9	5- 10	10.60	14.19	3.31,3.31
15	144.7	146.7	149.4	147.0	145.2	140.9	140.8	141.0	10- 15	17.28	31.47	7.33,7.33
20	140.1	144.0	144.8	144.5	140.8	136.3	134.3	136.6	15- 20	23.41	54.88	12.8,12.8
25	134.3	138.3	140.3	139.0	135.1	129.2	127.7	129.8	20- 25	28.69	83.57	19.5,19.5
30	127.4	131.8	135.7	132.7	128.6	121.5	121.1	122.1	25- 30	33.08	116.7	27.2,27.2
35	119.4	124.9	127.6	126.0	120.8	113.7	112.1	114.2	30- 35	36.43	153.1	35.7,35.7
40	110.5	117.3	119.5	118.6	111.7	105.4	103.1	105.8	35- 40	38.51	191.6	44.6,44.6
45	100.7	107.1	111.3	108.7	101.7	95.21	94.12	95.45	40- 45	39.36	231.0	53.8,53.8
50	90.14	96.81	100.5	98.74	90.66	83.98	82.39	85.07	45- 50	38.94	269.9	62.9,62.9
55	78.76	86.45	89.67	88.63	79.07	73.08	70.66	74.57	50- 55	37.12	307.0	71.5,71.5
60	66.72	74.13	78.83	76.17	66.78	59.86	58.92	61.90	55- 60	34.10	341.1	79.5,79.5
65	54.06	62.01	65.84	63.86	53.93	46.96	46.58	49.41	60- 65	29.97	371.1	86.5,86.5
70	40.92	49.38	52.86	51.03	40.79	34.35	34.23	37.06	65- 70	24.81	395.9	92.2,92.2
75	27.86	36.11	39.87	37.58	27.67	22.14	21.89	24.91	70- 75	18.93	414.8	96.6,96.6
80	16.02	19.84	0	21.00	15.31	9.554	0	11.79	75- 80	11.26	426.1	99.3,99.3
85	3.116	0	0	0	4.275	0	0	0	80- 85	2.902	429.0	99.9,99.9
90	0.4343	0	0	0	0.1999	0	0	0	85- 90	0.2468	429.2	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

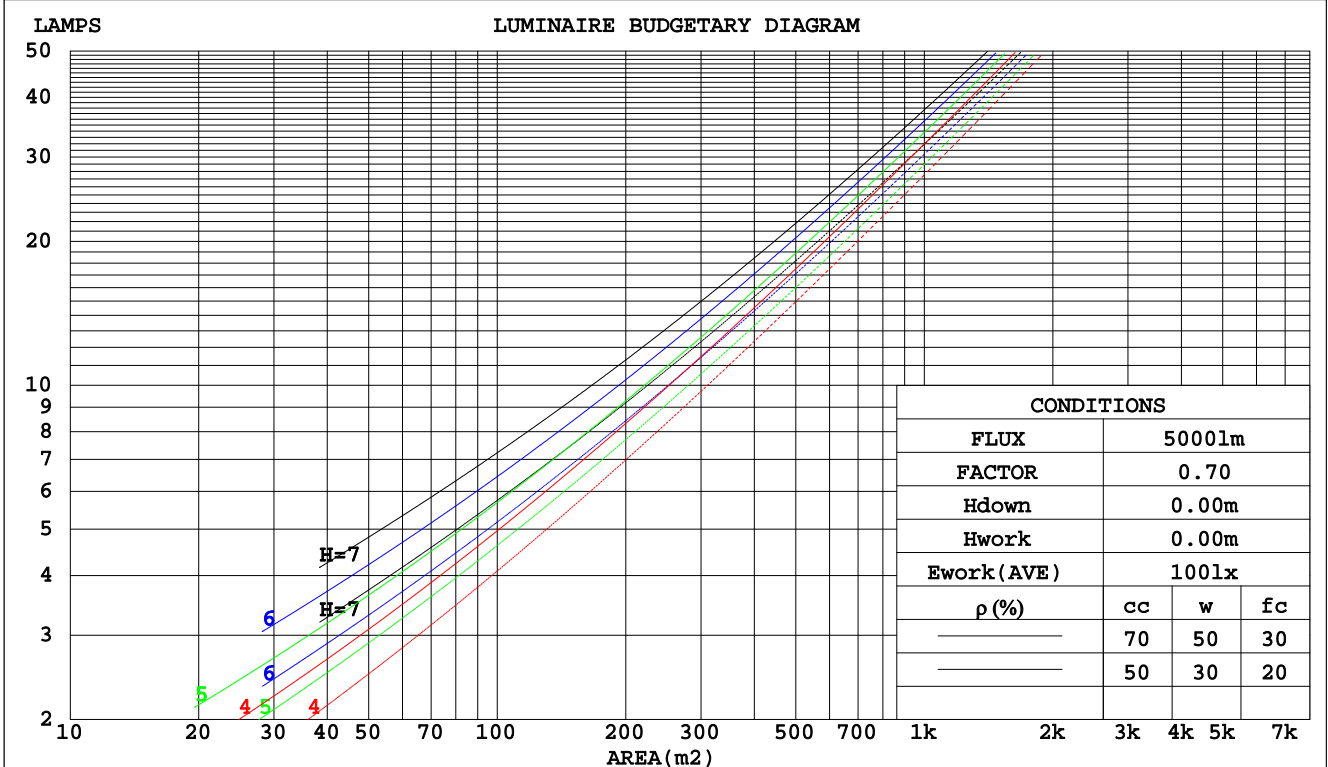
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity:65.0%
 Test Distance:7.690m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.221x1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.78	.85	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.65	.78	.71	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity: 65.0%
 Test Distance: 7.690m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.221x1 lm									
NAME: MIX-02-16.6-2.5M 3000K					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					SUR.:			PROTECTION ANGLE:	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.300	.170	.054	.293	.167	.053	.279	.160	.051	.267	.154	.049	.256	.148	.048	
2.0	.287	.157	.048	.281	.155	.048	.269	.150	.047	.259	.145	.045	.249	.141	.044	
3.0	.268	.142	.043	.262	.140	.042	.252	.137	.041	.242	.133	.041	.234	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.037	.218	.118	.036	
5.0	.230	.117	.034	.225	.116	.034	.217	.113	.033	.210	.111	.033	.203	.108	.033	
6.0	.213	.107	.031	.209	.106	.030	.202	.104	.030	.195	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.025	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.157	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.099	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity:65.0%
 Test Distance:7.690m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.22lx1 lm										
NAME: MIX-02-16.6-2.5M 3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			PROTECTION 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	14.3	15.8	14.5	16.0	16.2	14.9	16.4	15.2	16.6	16.8
3H	15.8	17.2	16.1	17.4	17.7	16.7	18.1	17.0	18.3	18.6
4H	16.3	17.7	16.7	17.9	18.2	17.5	18.8	17.8	19.0	19.3
6H	16.7	18.0	17.0	18.2	18.5	17.6	18.8	17.9	19.1	19.4
8H	16.8	18.0	17.2	18.3	18.6	17.5	18.7	17.8	19.0	19.3
12H	16.8	18.0	17.2	18.3	18.6	17.5	18.6	17.8	18.9	19.2
4H 2H	15.0	16.4	15.4	16.6	16.9	15.5	16.8	15.8	17.1	17.4
3H	16.7	17.9	17.1	18.2	18.5	17.5	18.7	17.8	19.0	19.3
4H	17.5	18.5	17.8	18.8	19.2	18.4	19.5	18.8	19.8	20.1
6H	17.9	18.9	18.3	19.2	19.6	18.6	19.5	19.0	19.9	20.2
8H	18.1	19.0	18.5	19.3	19.7	18.5	19.4	18.9	19.8	20.1
12H	18.2	19.0	18.6	19.3	19.7	18.5	19.3	18.9	19.7	20.1
8H 4H	17.9	18.7	18.3	19.1	19.5	18.7	19.6	19.1	19.9	20.3
6H	18.5	19.3	19.0	19.7	20.1	18.9	19.6	19.3	20.0	20.5
8H	18.8	19.4	19.2	19.8	20.3	18.9	19.5	19.3	19.9	20.4
12H	18.9	19.5	19.4	19.9	20.4	18.8	19.4	19.3	19.8	20.3
12H 4H	17.8	18.6	18.3	19.0	19.4	18.7	19.5	19.1	19.9	20.3
6H	18.5	19.2	19.0	19.6	20.1	18.9	19.6	19.4	20.0	20.4
8H	18.8	19.3	19.3	19.8	20.3	18.9	19.4	19.4	19.9	20.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.1 / - 0.2				
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 429.2 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.9)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity: 65.0%
 Test Distance: 7.690m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.22lx1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

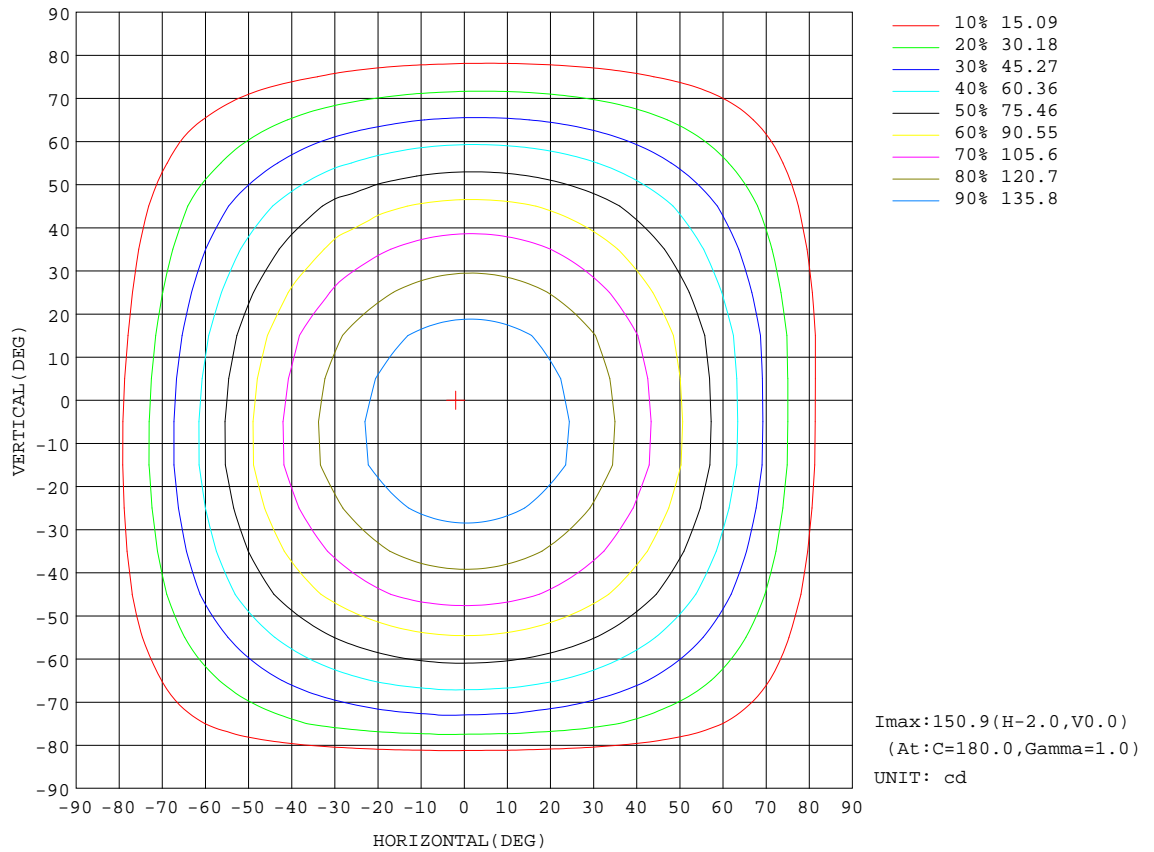
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	48	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	100	107	102	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity:65.0%
 Test Distance:7.690m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.221x1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

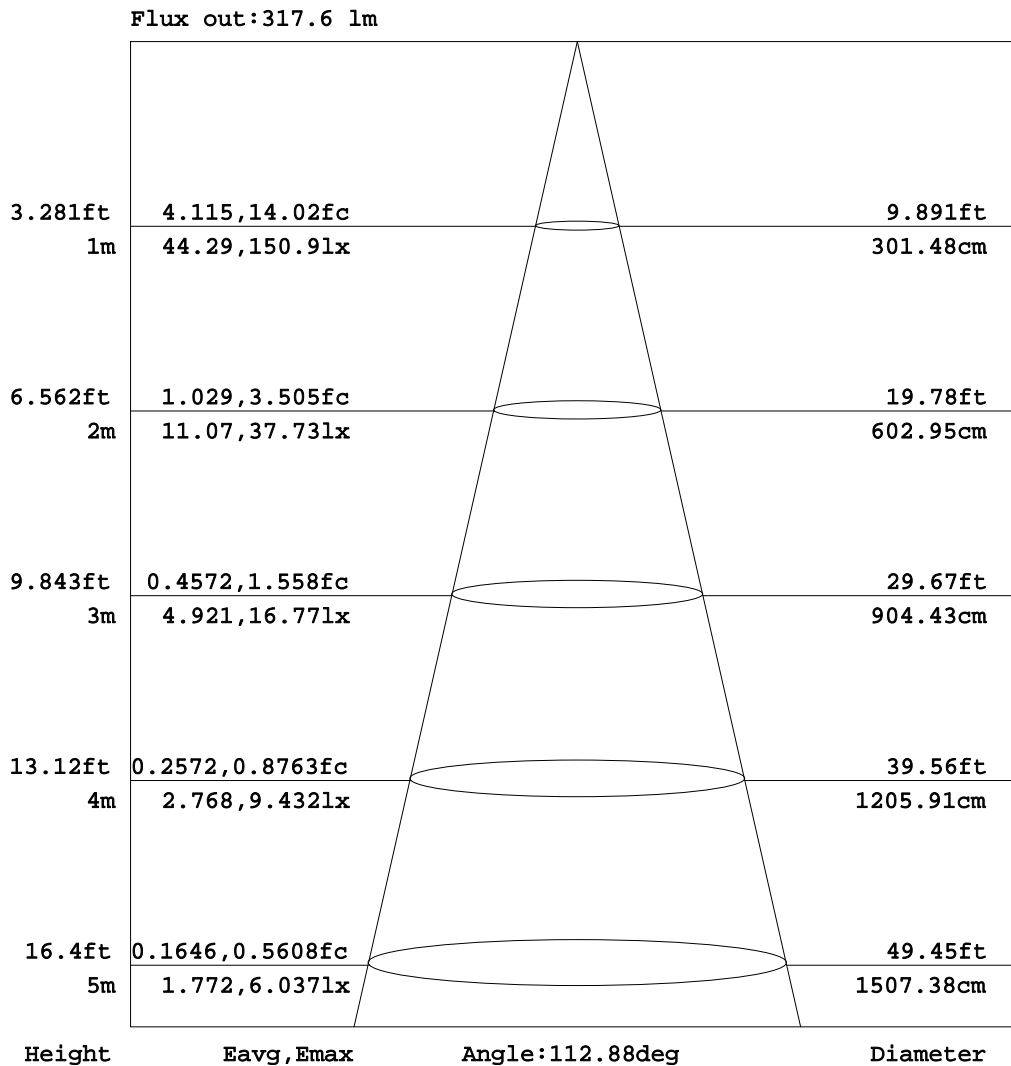


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity: 65.0%
 Test Distance: 7.690m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.22lx1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



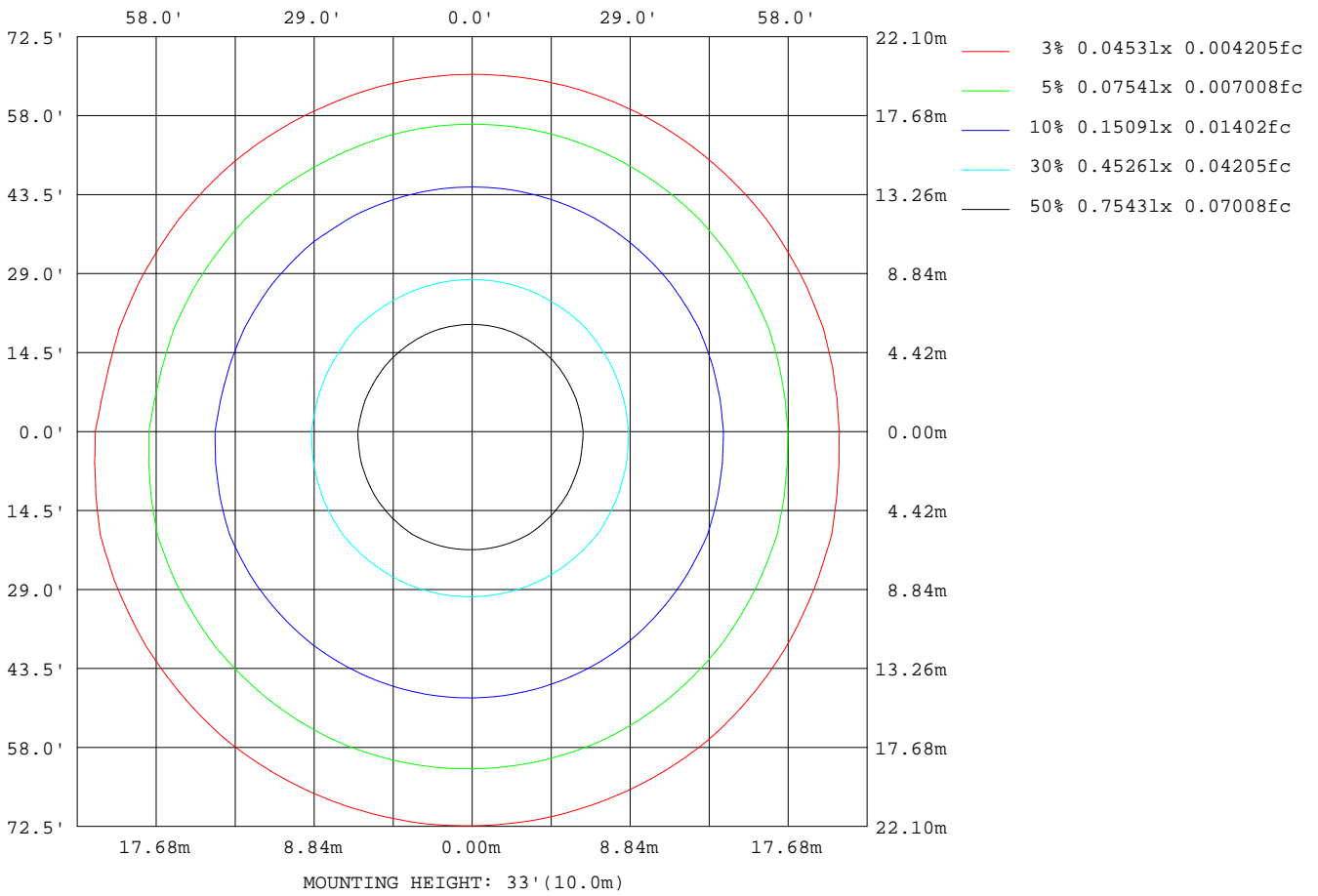
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity:65.0%
 Test Distance:7.690m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

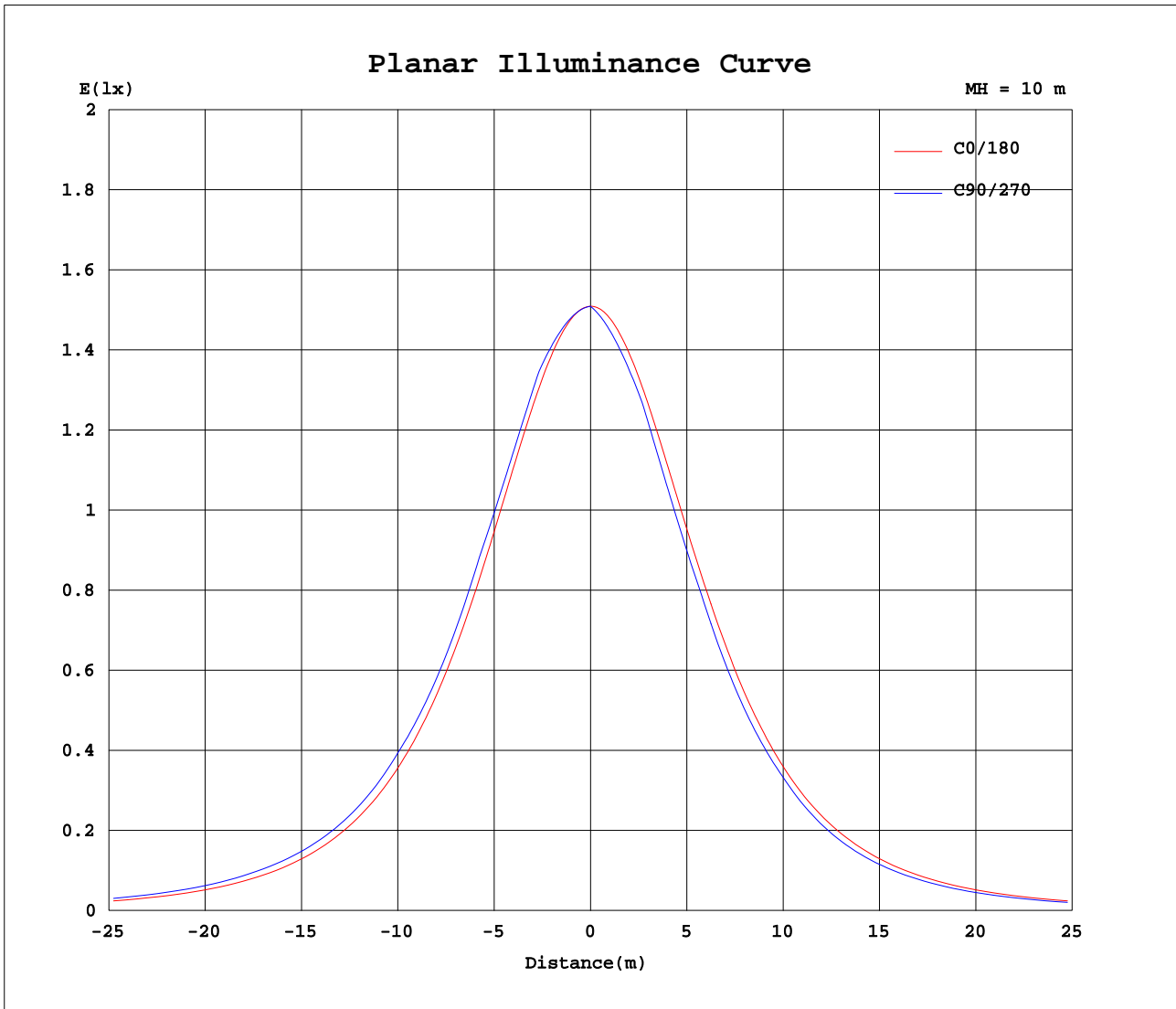
Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.221lx1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity: 65.0%
 Test Distance: 7.690m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity: 65.0%
 Test Distance: 7.690m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.221x1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151
5	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
10	148	148	148	148	148	148	148	148	149	149	149	149	149	149	150	150	150	150	150
15	145	145	145	145	145	145	145	146	146	147	147	148	148	148	149	149	149	149	149
20	140	140	140	140	141	141	142	142	143	144	144	144	144	144	145	145	145	145	145
25	134	134	134	135	135	136	137	138	138	138	139	139	139	139	140	140	140	140	140
30	127	127	128	128	129	130	131	131	131	132	132	133	133	134	135	135	135	136	136
35	119	119	120	121	122	123	123	123	124	125	126	127	127	127	127	127	127	127	128
40	111	110	111	112	114	114	114	115	116	117	117	118	118	118	119	119	119	119	119
45	101	101	102	103	104	104	105	107	107	107	108	108	109	109	110	110	111	111	111
50	90.1	90.2	91.5	92.6	93.0	94.1	95.4	95.6	96.0	96.8	97.7	98.7	99.2	99.4	99.7	99.9	100	100	101
55	78.8	79.0	80.6	81.0	82.0	83.4	83.6	84.3	85.3	86.5	86.8	87.2	87.7	88.1	88.6	89.0	89.3	89.5	89.7
60	66.7	67.1	68.6	69.0	70.6	70.8	71.7	73.1	73.5	74.1	74.8	75.5	76.3	76.9	77.5	78.0	78.4	78.7	78.8
65	54.1	54.6	55.6	57.0	57.4	58.4	59.5	60.2	61.0	62.0	63.0	63.9	64.3	64.7	65.1	65.4	65.6	65.7	65.8
70	40.9	41.8	42.5	43.4	44.5	45.4	46.4	47.6	48.7	49.4	50.0	50.5	51.1	51.6	52.0	52.3	52.8	52.7	52.9
75	27.9	28.6	29.5	30.3	31.3	32.6	33.7	34.5	35.3	36.1	36.8	37.4	38.0	38.5	39.0	39.3	39.9	39.8	39.9
80	16.0	16.5	17.0	17.9	19.1	20.0	20.8	21.6	22.3	19.8	16.5	13.1	9.88	7.06	4.59	2.62	1.19	0.30	0.00
85	3.12	6.13	6.72	7.49	7.32	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity:65.0%
 Test Distance:7.690m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.221x1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	
5	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
10	150	150	150	150	150	149	149	149	149	149	149	149	148	148	148	148	148	148	148	
15	149	149	149	149	149	148	148	147	147	147	146	146	146	145	145	145	145	145	144	
20	145	145	145	145	145	145	145	145	145	144	143	142	142	141	141	141	141	141	140	
25	140	140	140	140	140	140	139	139	139	139	139	138	137	136	136	135	135	135	134	
30	136	136	135	135	135	134	134	133	133	132	132	132	131	130	129	129	128	129	127	
35	128	128	128	128	128	128	128	127	126	125	125	124	124	124	122	121	121	121	119	
40	120	119	119	119	119	119	119	119	119	118	117	116	115	115	114	113	112	112	110	
45	111	111	111	111	110	110	109	109	109	109	109	107	106	105	105	103	102	102	99.5	
50	101	101	101	101	101	101	100	99.5	98.7	98.1	97.7	97.5	96.0	94.7	94.0	92.6	91.1	90.7	88.4	
55	89.7	89.7	89.7	89.5	89.3	89.0	88.8	88.7	88.6	87.6	86.6	85.8	85.5	83.9	82.5	81.7	79.7	79.1	76.7	
60	78.9	78.8	78.6	78.4	78.0	77.6	77.1	76.6	76.2	75.8	75.6	74.1	73.1	72.6	70.6	69.5	67.6	66.8	64.3	
65	66.1	66.0	66.0	65.9	65.7	65.5	65.4	64.7	63.9	63.1	62.4	62.0	60.9	59.6	58.7	56.7	55.1	53.9	51.5	
70	53.3	53.0	53.0	52.8	52.6	52.3	51.9	51.6	51.0	50.5	49.5	48.5	47.8	47.0	45.5	44.0	42.4	40.8	38.3	
75	40.5	40.1	40.0	39.9	39.5	39.0	38.7	38.3	37.6	37.0	36.3	35.5	34.7	33.8	32.8	31.2	29.3	27.7	25.1	
80	0.30	1.20	2.67	4.72	7.24	10.2	13.6	17.2	21.0	23.9	23.3	22.4	21.9	21.0	19.7	19.3	17.2	15.3	13.0	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.37	8.48	8.58	7.94	7.14	4.27	3.69
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity:65.0%
 Test Distance:7.690m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.221x1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151
5	150	150	149	149	149	149	148	148	148	148	148	148	148	148	148	148	148	148	148
10	147	147	146	146	146	145	145	145	145	145	144	144	144	144	144	144	144	144	144
15	144	143	142	142	142	141	141	141	141	141	141	141	141	141	141	141	141	141	141
20	139	138	137	137	137	136	136	136	136	135	135	135	135	134	134	134	134	134	134
25	133	132	131	131	131	131	130	129	129	128	128	128	128	128	128	128	128	128	128
30	126	125	125	124	124	123	122	121	121	121	121	121	121	121	121	121	121	121	121
35	118	117	117	116	115	115	114	114	113	113	113	113	112	112	112	112	112	112	112
40	109	109	108	107	106	105	106	105	104	104	103	103	103	103	103	103	103	103	103
45	98.3	97.8	96.8	96.2	95.4	95.3	94.8	95.2	94.1	93.8	94.1	93.8	93.8	93.9	94.0	94.0	94.1	94.2	94.3
50	87.3	86.4	85.2	84.9	85.1	84.1	83.7	84.0	84.4	83.5	83.6	83.3	82.7	82.5	82.4	82.3	82.4	82.5	82.8
55	75.8	74.4	73.7	73.4	72.7	72.6	72.7	73.1	72.7	71.4	70.9	70.9	70.6	70.5	70.6	70.6	70.7	70.8	71.0
60	63.3	62.1	61.9	61.1	60.8	61.0	60.3	59.9	59.5	59.2	58.6	58.5	58.4	58.6	58.7	58.8	58.9	59.0	59.2
65	50.2	49.7	48.9	48.8	48.5	47.7	47.2	47.0	46.8	46.5	46.3	46.1	46.1	46.2	46.3	46.4	46.6	46.7	47.0
70	37.1	36.7	36.8	35.8	35.2	34.8	34.6	34.4	34.3	34.1	33.9	33.8	33.7	33.9	33.9	34.0	34.2	34.4	34.7
75	24.3	24.1	23.8	23.0	22.6	22.5	22.4	22.1	22.0	21.8	21.6	21.5	21.5	21.5	21.5	21.6	21.9	22.1	22.4
80	12.7	12.2	12.0	11.9	11.3	11.0	10.6	9.55	8.10	6.57	5.07	3.66	2.42	1.40	0.63	0.16	0.00	0.16	0.66
85	3.91	3.67	3.23	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity:65.0%
 Test Distance:7.690m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1916A P:11.02W PF:0.4770 Lamp Flux:429.221x1 lm		
NAME: MIX-02-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151				
5	148	148	148	148	148	148	148	148	149	149	149	149	149	150	150				
10	144	144	144	144	145	145	145	145	145	146	146	146	147	147	148				
15	141	141	141	141	141	141	141	141	141	142	142	142	143	143	144				
20	135	135	135	135	136	136	137	137	137	137	137	137	138	138	139				
25	128	128	128	128	129	129	130	130	131	131	131	131	132	132	133				
30	121	121	121	121	122	122	122	123	123	124	125	125	125	125	126				
35	113	113	113	114	114	114	114	114	115	116	117	117	117	117	118				
40	103	104	104	104	105	105	106	106	106	106	107	108	108	108	109				
45	94.3	94.4	94.5	94.6	94.7	95.0	95.4	96.1	96.9	96.9	97.2	98.0	99.1	98.9	99.4				
50	83.1	83.4	83.9	84.5	85.0	85.0	85.1	85.4	85.9	86.8	86.9	87.3	88.3	88.7	88.9				
55	71.2	71.6	72.0	72.4	73.0	73.7	74.6	74.6	74.7	75.1	76.1	76.2	76.8	77.9	77.6				
60	59.5	59.7	60.0	60.4	60.8	61.3	61.9	62.7	63.6	63.5	63.9	64.8	64.9	65.9	65.9				
65	47.2	47.5	47.9	48.2	48.6	49.0	49.4	49.9	50.6	51.5	51.9	52.1	53.0	53.2	53.6				
70	34.9	35.2	35.5	35.9	36.3	36.7	37.1	37.5	37.9	38.4	39.2	39.8	40.0	40.5	41.1				
75	22.6	22.9	23.2	23.6	24.0	24.5	24.9	25.4	25.7	26.1	26.5	27.0	27.7	27.9	28.3				
80	1.48	2.60	4.01	5.68	7.57	9.62	11.8	13.6	14.2	14.7	15.1	15.4	15.6	16.1	16.6				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62	5.36	6.30	6.44	4.80			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-10-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.285
 Humidity:65.0%
 Test Distance:7.690m [K=1.0000]
 Remarks: