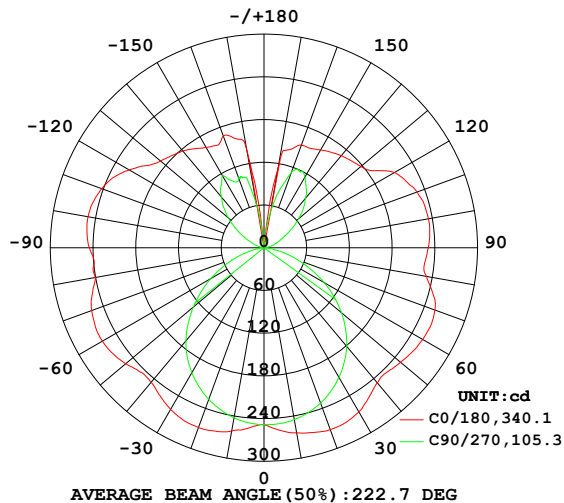


LUMINAIRE PHOTOMETRIC TEST REPORT

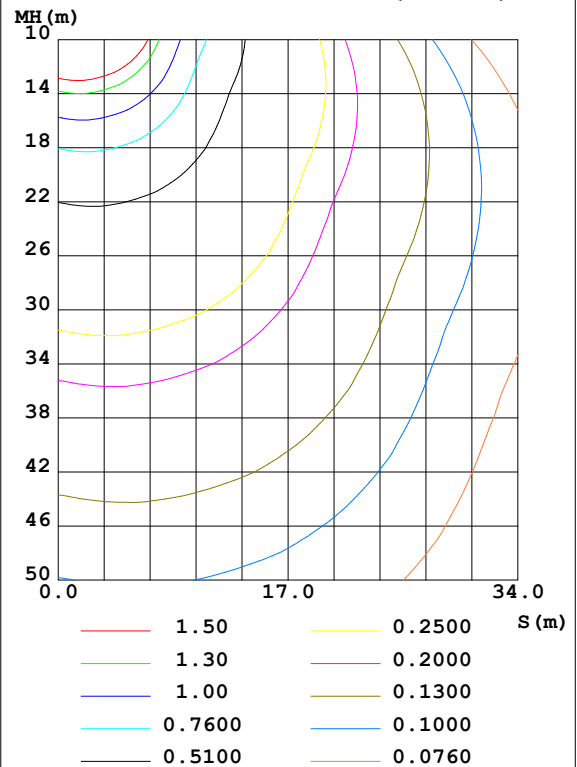
Test:U:229.99V I:0.0706A P:15.237W PF:0.9386 Freq:50.00Hz Lamp Flux:2024.21x1 lm		
SGSO SKU: 0019590053	TYPE:	WEIGHT:
SPEC.: R7s 118mm, 2000lm, 2700K, 25000h, Dim	DIM.:	SERIAL No.: A2200138C001
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.85 lm/W			
MODEL		I _{max} (cd)	272.0	S/MH (C0/180)	1.54
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2024.2	η UP, DN (C0-180)	21.4, 29.6
NOMINAL FLUX (lm)	2024.21	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	20.7, 28.4
LAMPS INSIDE	1	η up (%)	42.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	57.9	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: lsc
Test Date: 2022-01-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.429
Humidity: 48%
Test Distance: 1.528m [K=1.0000]
Remarks:

Checker: HXP

Assessor:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	264.1	259.2	245.2	255.1	261.3	255.0	242.5	257.2	0- 10	24.13	24.13	1.19,1.19
20	272.0	260.7	232.2	259.2	268.6	256.1	226.7	256.1	10- 20	72.37	96.50	4.77,4.77
30	266.2	254.1	210.4	252.8	262.2	246.5	202.7	246.4	20- 30	115.6	212.1	10.5,10.5
40	247.6	232.4	180.8	233.9	246.6	225.1	170.7	221.4	30- 40	146.4	358.5	17.7,17.7
50	250.3	199.0	142.3	203.0	253.5	193.2	129.6	188.3	40- 50	162.3	520.8	25.7,25.7
60	257.4	193.7	97.29	192.0	262.2	183.9	85.81	182.4	50- 60	171.0	691.8	34.2,34.2
70	255.5	187.0	51.27	189.5	257.7	178.6	43.68	172.8	60- 70	172.6	864.4	42.7,42.7
80	231.7	155.0	13.57	167.8	240.6	154.2	9.622	141.8	70- 80	162.0	1026	50.7,50.7
90	230.7	154.0	0.3120	157.4	245.4	149.9	0.3372	142.6	80- 90	146.0	1172	57.9,57.9
100	234.5	162.4	5.168	172.1	250.9	161.5	3.892	149.8	90-100	152.3	1325	65.4,65.4
110	228.7	159.1	17.72	162.1	242.6	151.4	14.75	146.6	100-110	150.9	1476	72.9,72.9
120	211.5	141.9	34.50	148.3	218.8	142.0	36.00	134.1	110-120	138.0	1614	79.7,79.7
130	177.7	142.8	63.63	147.2	189.7	142.0	65.08	136.0	120-130	119.8	1733	85.6,85.6
140	169.0	142.7	90.55	143.4	177.6	140.3	92.82	134.6	130-140	103.7	1837	90.8,90.8
150	158.6	141.6	114.9	142.1	162.8	143.0	116.8	130.8	140-150	84.83	1922	95,95
160	153.4	135.0	113.1	144.9	167.1	154.9	104.2	119.8	150-160	62.33	1984	98,98
170	111.5	105.9	47.01	120.9	139.9	114.5	61.39	46.07	160-170	35.57	2020	99.8,99.8
180	0.3811	0.3762	0	0.4316	0.3802	0.3776	0.3833	0.3959	170-180	4.293	2024	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 438.22 lm

%lum = 21.6%

%lamp = 21.6%

Conical surface Flux(120deg): 691.82 lm

%lum = 34.2%

%lamp = 34.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lsc
Test Date:2022-01-11

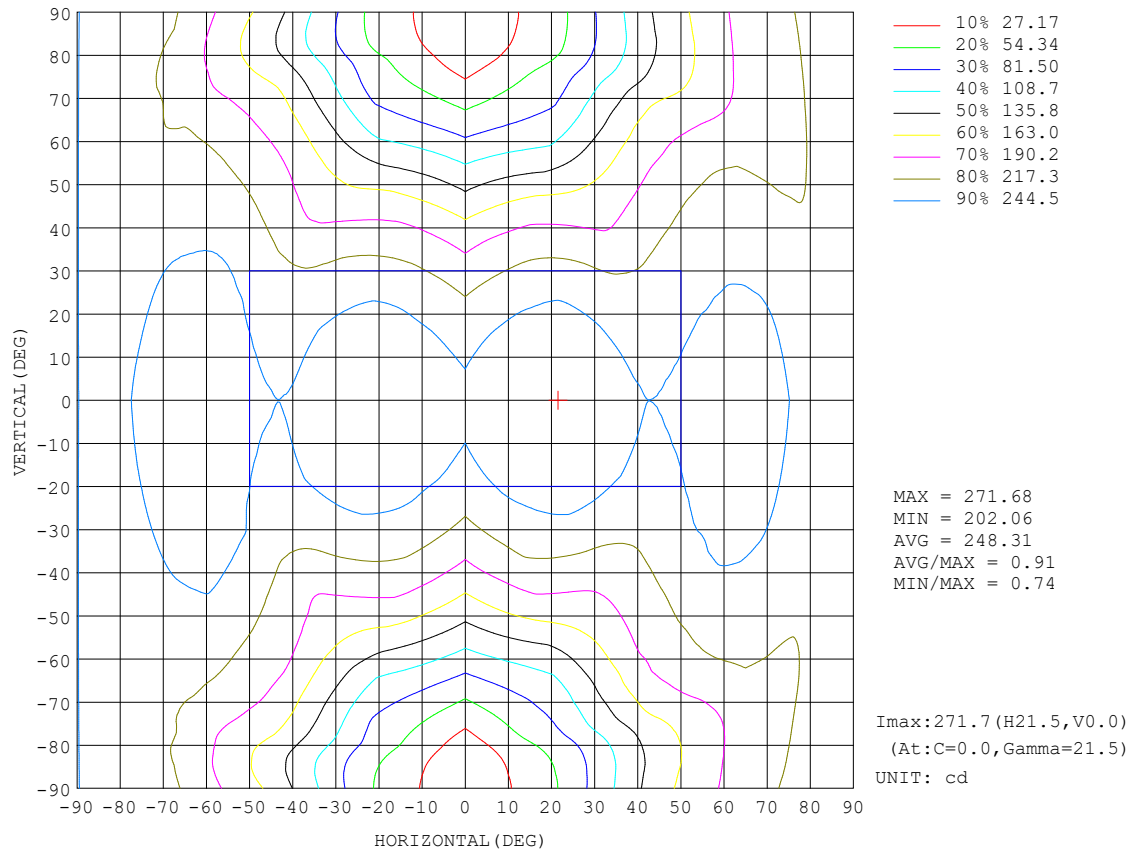
Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.528m [K=1.0000]
Remarks:

Assessor:

ISOCANDELA DIAGRAM

Test:U:229.99V I:0.0706A P:15.237W PF:0.9386 Freq:50.00Hz Lamp Flux:2024.21x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: RS11a_11aSA-RS2000ST-G1TDN-01	DIM.:	SERIAL No.: A2200138C001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lsc
Test Date:2022-01-11

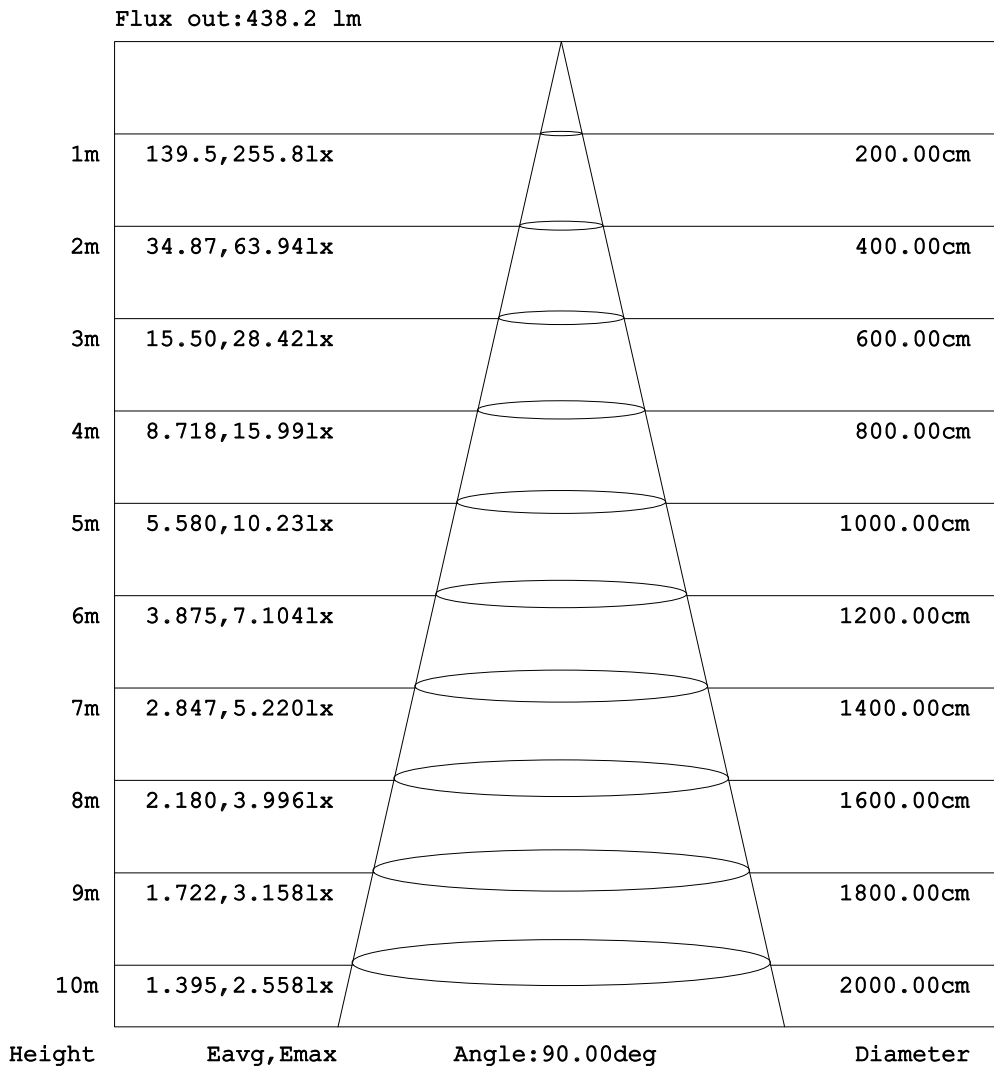
Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.528m [K=1.0000]
Remarks:

Assessor:

AAI Figure

Test:U:229.99V I:0.0706A P:15.237W PF:0.9386 Freq:50.00Hz Lamp Flux:2024.2lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: RS11a_11aSA-RS2000ST-G1TDN-01	DIM.:	SERIAL No.: A2200138C001
MFR.:	SUR.:	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: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lsc
Test Date:2022-01-11

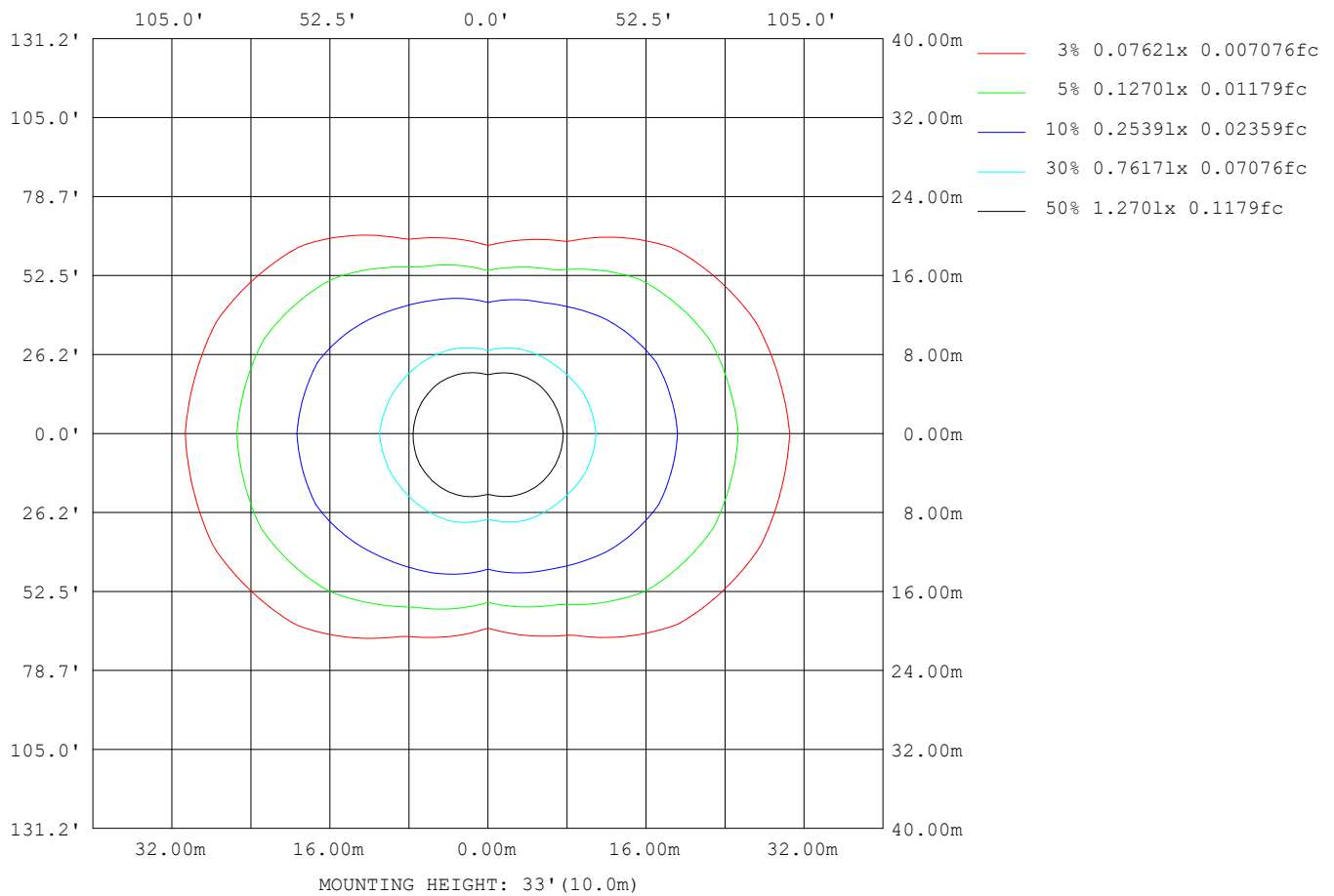
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.528m [K=1.0000]
Remarks:

Checker: HXP

Assessor:

ISOLUX DIAGRAM

Test:U:229.99V I:0.0706A P:15.237W PF:0.9386 Freq:50.00Hz Lamp Flux:2024.2lx 1m		
NAME:	TYPE:	WEIGHT:
SPEC.: RS11a_11aSA-RS2000ST-G1TDN-01	DIM.:	SERIAL No.: A2200138C001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lsc
Test Date:2022-01-11

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.528m [K=1.0000]
Remarks:

Assessor:

LED Avg.L Report

Test:U:229.99V I:0.0706A P:15.237W PF:0.9386 Freq:50.00Hz Lamp Flux:2024.21x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: RS11a_11aSA-RS2000ST-G1TDN-01	DIM.:	SERIAL No.: A2200138C001
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	21933
L_0~180 (75) av	34083
L_0~180 (85) av	95399
L_90~270 (65) av	5806
L_90~270 (75) av	3906
L_90~270 (85) av	1340
L_45 (65) av	15772
L_45 (75) av	23700
L_45 (85) av	58723

Standard: GB/T 29293-2012

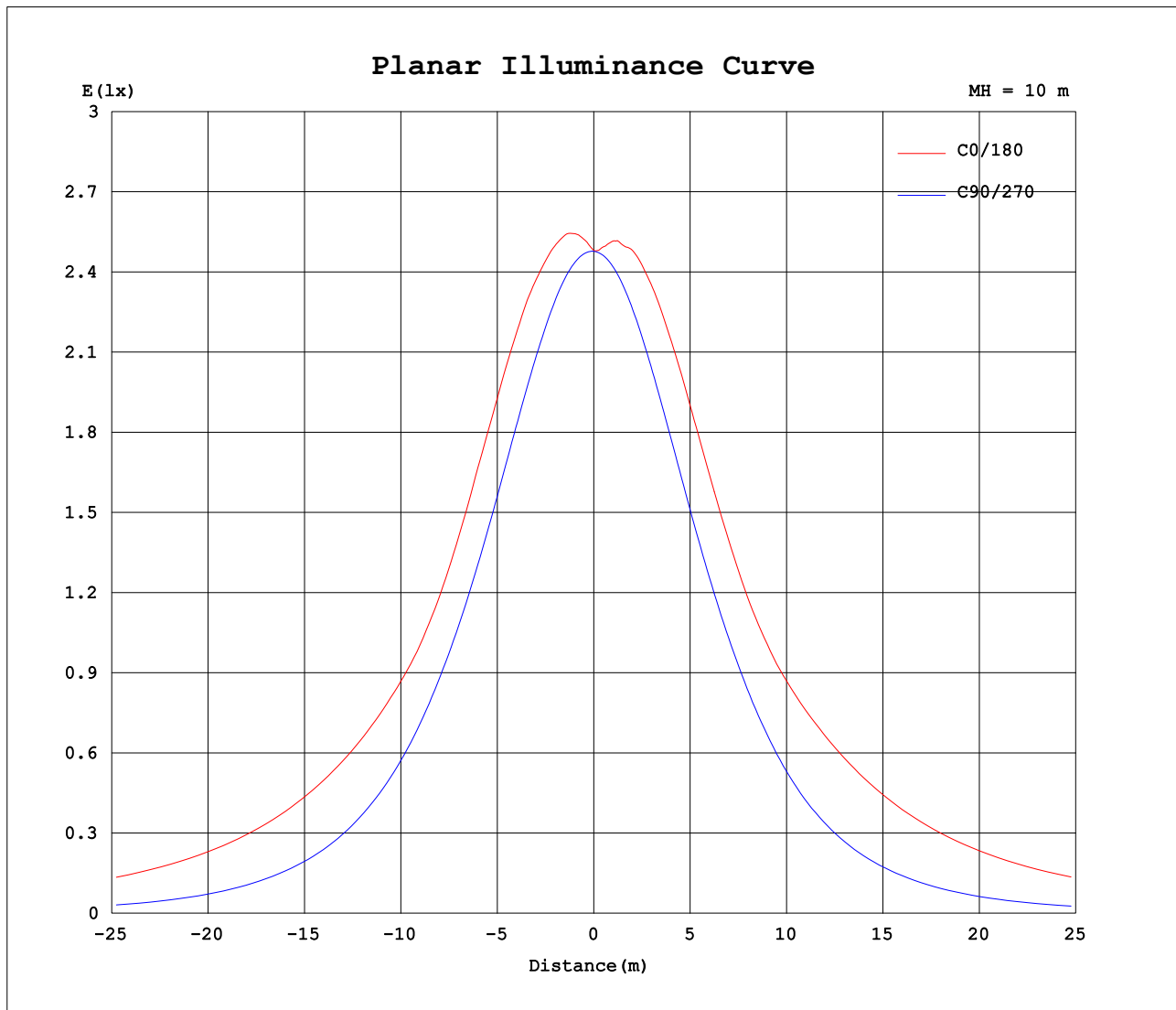
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lsc
Test Date:2022-01-11

Checker: HXP

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.528m [K=1.0000]
Remarks:

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: lsc
 Test Date: 2022-01-11

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.429
 Humidity: 48%
 Test Distance: 1.528m [K=1.0000]
 Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.99V I:0.0706A P:15.237W PF:0.9386 Freq:50.00Hz Lamp Flux:2024.21x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: RS11a_11aSA-RS2000ST-G1TDN-01	DIM.:	SERIAL No.: A2200138C001
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248			
5	257	257	254	251	248	249	250	247	254	253	251	248	247	250	254	256			
10	264	263	259	252	245	250	255	255	261	259	255	248	242	249	257	260			
15	269	267	261	251	240	249	258	261	267	264	256	245	236	247	257	263			
20	272	270	261	248	232	246	259	263	269	265	256	240	227	242	256	264			
25	271	269	259	243	222	241	258	264	267	263	253	234	216	235	253	262			
30	266	264	254	235	210	235	253	260	262	258	247	226	203	225	246	255			
35	257	255	245	225	197	226	245	253	254	249	237	215	188	215	236	244			
40	248	244	232	214	181	215	234	244	247	238	225	202	171	200	221	232			
45	246	236	215	199	162	201	220	234	246	231	210	186	151	183	204	230			
50	250	238	199	180	142	183	203	234	253	234	193	166	130	162	188	232			
55	255	242	195	155	120	162	191	239	259	240	183	143	108	136	185	234			
60	257	243	194	130	97.3	138	192	244	262	242	184	120	85.8	113	182	235			
65	258	244	192	110	73.6	113	193	244	261	241	184	98.2	64.1	94.7	179	233			
70	256	240	187	95.8	51.3	95.2	189	241	258	237	179	82.5	43.7	81.9	173	228			
75	245	230	176	86.4	31.4	81.6	182	235	249	229	170	70.9	25.3	72.4	160	214			
80	232	213	155	71.3	13.6	74.3	168	224	241	215	154	62.8	9.62	57.5	142	200			
85	227	209	148	59.5	3.86	60.7	149	215	239	212	139	52.1	2.69	50.7	137	203			
90	231	214	154	57.1	0.31	57.5	157	219	245	220	150	50.8	0.34	49.5	143	207			
95	234	217	160	62.9	1.88	63.6	169	227	249	226	159	57.5	1.39	54.9	148	209			
100	235	218	162	65.6	5.17	66.1	172	230	251	228	162	58.9	3.89	55.9	150	210			
105	233	218	162	68.6	11.3	70.1	170	229	248	225	159	62.8	8.69	60.2	150	208			
110	229	214	159	75.1	17.7	77.3	162	224	243	219	151	69.6	14.8	66.7	147	202			
115	221	206	145	82.2	24.8	82.8	153	216	233	209	145	74.4	23.5	73.7	135	195			
120	212	193	142	89.3	34.5	88.0	148	203	219	195	142	79.4	36.0	80.6	134	177			
125	189	175	142	95.0	49.0	91.3	148	187	201	181	143	83.4	50.4	87.3	135	166			
130	178	170	143	101	63.6	94.0	147	179	190	176	142	87.4	65.1	93.1	136	163			
135	173	167	143	104	78.1	97.8	145	174	183	172	141	93.4	80.3	95.7	136	160			
140	169	164	143	102	90.6	106	143	169	178	168	140	102	92.8	95.5	135	156			
145	164	160	142	105	103	110	142	163	170	162	141	111	106	98.0	133	151			
150	159	156	142	110	115	110	142	157	163	158	143	119	117	95.9	131	146			
155	154	153	140	114	119	110	150	155	159	157	153	128	104	87.9	122	144			
160	153	151	135	117	113	110	145	162	167	167	155	133	104	98.5	120	133			
165	143	141	134	112	82.9	112	141	154	159	159	149	135	102	97.7	109	110			
170	112	115	106	71.5	47.0	84.0	121	149	140	139	114	73.7	61.4	46.0	46.1	43.9			
175	1.26	1.59	10.8	24.9	18.9	32.9	37.3	54.7	9.66	15.0	12.9	14.8	10.5	8.00	10.7	0.40			
180	0.38	0.38	0.38	0.38	0.00	0.00	0.43	0.00	0.38	0.38	0.38	0.38	0.38	0.40	0.40	0.41			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lsc
Test Date:2022-01-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.528m [K=1.0000]
Remarks:

Checker: HXP

Assessor: