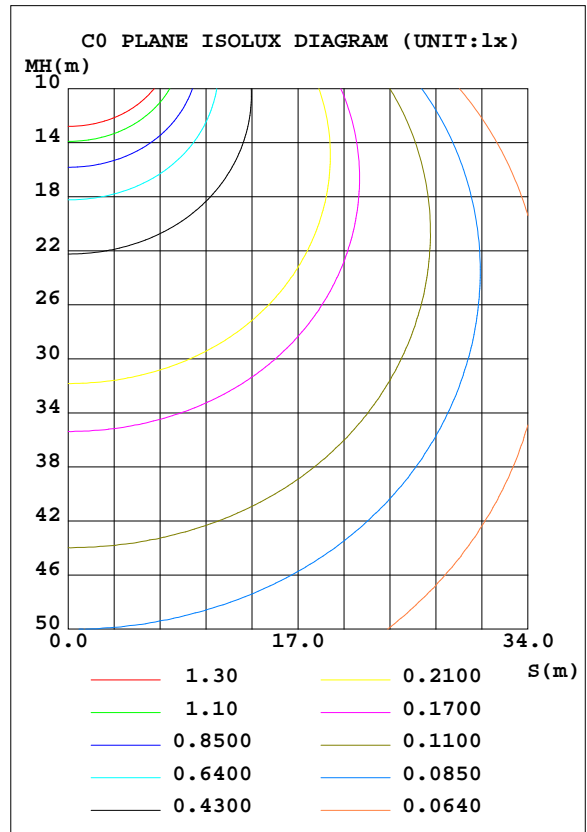
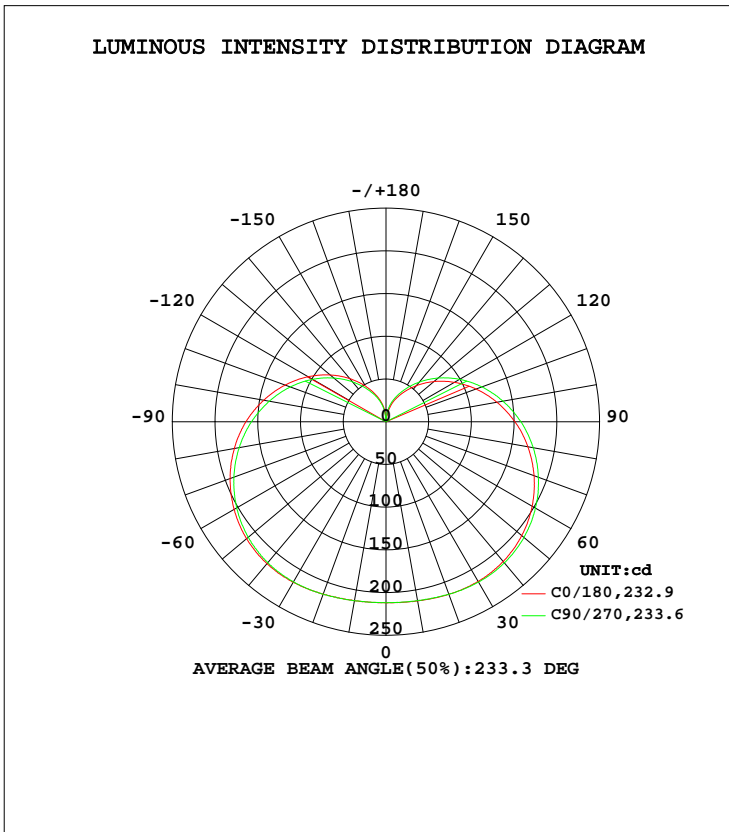


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1677A P:15.53W PF:0.7721 Freq:60.01Hz Lamp Flux:1832.94x1 lm		
NAME: A19-16-GU24-850-DIM	TYPE:	WEIGHT:
SPEC.:120V/15.5W/1600lm	DIM.:	SERIAL No.:A1812705A001
MFR.: RAB LIGHTING INC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.03 lm/W			
MODEL		I _{max} (cd)	218.0	S/MH(C0/180)	1.57
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.56
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1832.9	η UP, DN(C0-180)	16.2, 33.6
NOMINAL FLUX(lm)	1832.94	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	16.5, 33.7
LAMPS INSIDE	1	η up(%)	32.6	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)		η down(%)	67.4	CIBSE SHR MAX	1.75



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:LWQ
 Test Date:2018-09-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.363T
 Humidity:46%
 Test Distance:1.505m [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
10	212.9	212.6	212.6	212.6	212.4	212.6	212.6	212.8	0- 10	20.26	20.26	1.11,1.11
20	214.9	214.8	214.9	215.0	214.5	214.5	214.7	215.3	10- 20	60.62	80.88	4.41,4.41
30	216.0	216.1	216.7	217.5	216.8	216.6	216.5	216.6	20- 30	99.94	180.8	9.87,9.87
40	213.6	214.1	215.6	217.1	216.8	216.1	215.5	214.6	30- 40	135.8	316.7	17.3,17.3
50	207.4	208.9	210.8	212.9	213.0	211.9	210.6	208.7	40- 50	165.1	481.7	26.3,26.3
60	197.5	199.6	202.1	204.6	205.3	203.9	201.5	198.8	50- 60	185.0	666.8	36.4,36.4
70	184.3	186.9	189.8	193.0	194.3	192.6	189.3	185.5	60- 70	194.2	861.0	47,47
80	168.6	171.0	174.8	178.7	180.3	178.4	174.5	170.1	70- 80	192.6	1054	57.5,57.5
90	150.9	153.3	158.0	162.2	164.1	161.8	157.6	152.9	80- 90	181.1	1235	67.4,67.4
100	131.9	134.3	139.2	143.5	145.5	143.1	138.7	134.5	90-100	161.6	1396	76.2,76.2
110	112.3	114.6	119.6	123.8	125.8	123.5	119.2	115.0	100-110	136.5	1533	83.6,83.6
120	92.50	94.92	99.52	103.4	105.4	103.4	99.47	95.14	110-120	108.5	1641	89.5,89.5
130	73.24	75.50	79.64	83.22	85.27	83.39	79.74	75.61	120-130	80.27	1722	93.9,93.9
140	55.08	57.09	60.76	63.95	66.02	64.37	60.96	57.21	130-140	54.39	1776	96.9,96.9
150	38.90	40.44	43.52	46.37	48.27	46.99	44.20	40.81	140-150	32.87	1809	98.7,98.7
160	24.99	26.38	28.84	31.23	32.54	32.04	30.00	27.10	150-160	16.96	1826	99.6,99.6
170	7.580	11.19	14.30	16.70	18.17	17.77	15.56	11.51	160-170	6.466	1832	100,100
180	0.3217	0.3221	0.3226	0.3244	0.3223	0.3215	0.3215	0.3231	170-180	0.6806	1833	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 396.07 lm

%lum = 21.6%
%lamp = 21.6%

Conical surface Flux(120deg): 666.78 lm

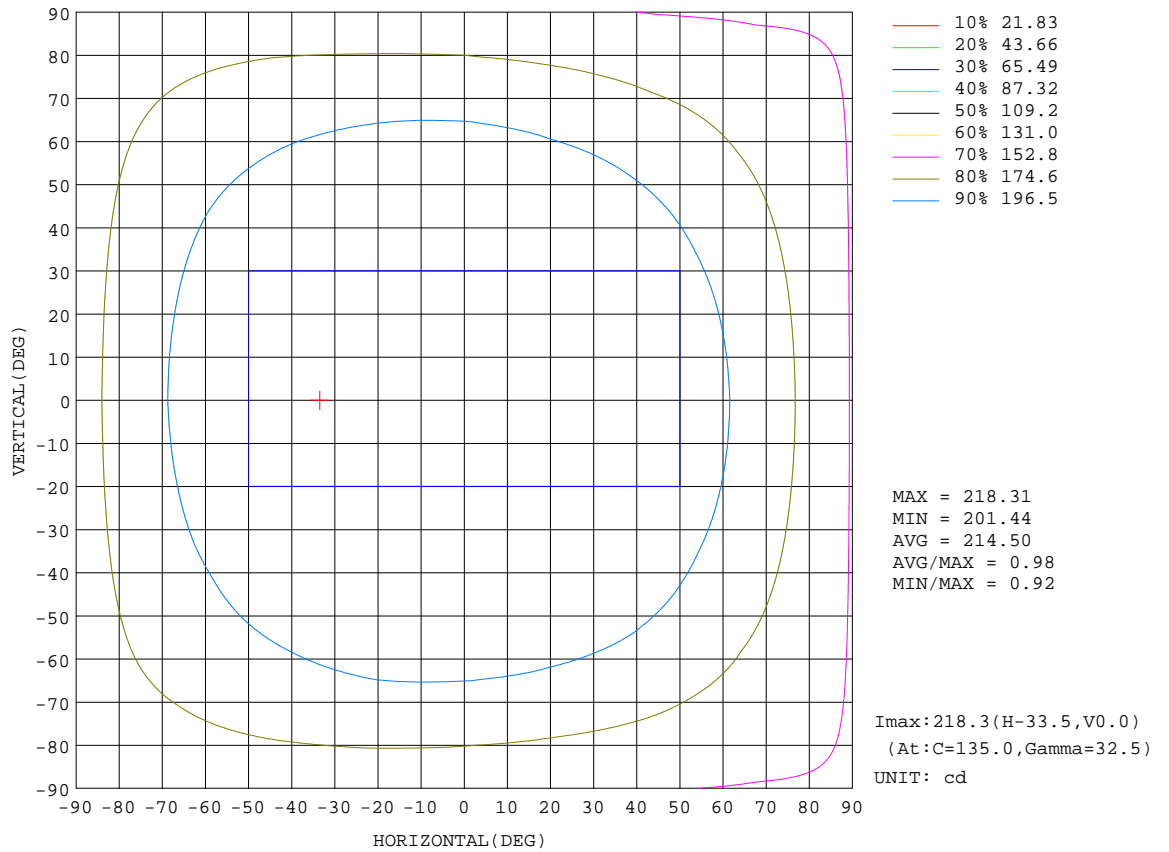
%lum = 36.4%
%lamp = 36.4%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:LWQ
Test Date:2018-09-21

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.363T
Humidity:46%
Test Distance:1.505m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1677A P:15.53W PF:0.7721 Freq:60.01Hz Lamp Flux:1832.94x1 lm		
NAME: A19-16-GU24-850-DIM	TYPE:	WEIGHT:
SPEC.:120V/15.5W/1600lm	DIM.:	SERIAL No.:A1812705A001
MFR.: RAB LIGHTING INC	SUR.:	Shielding Angle:

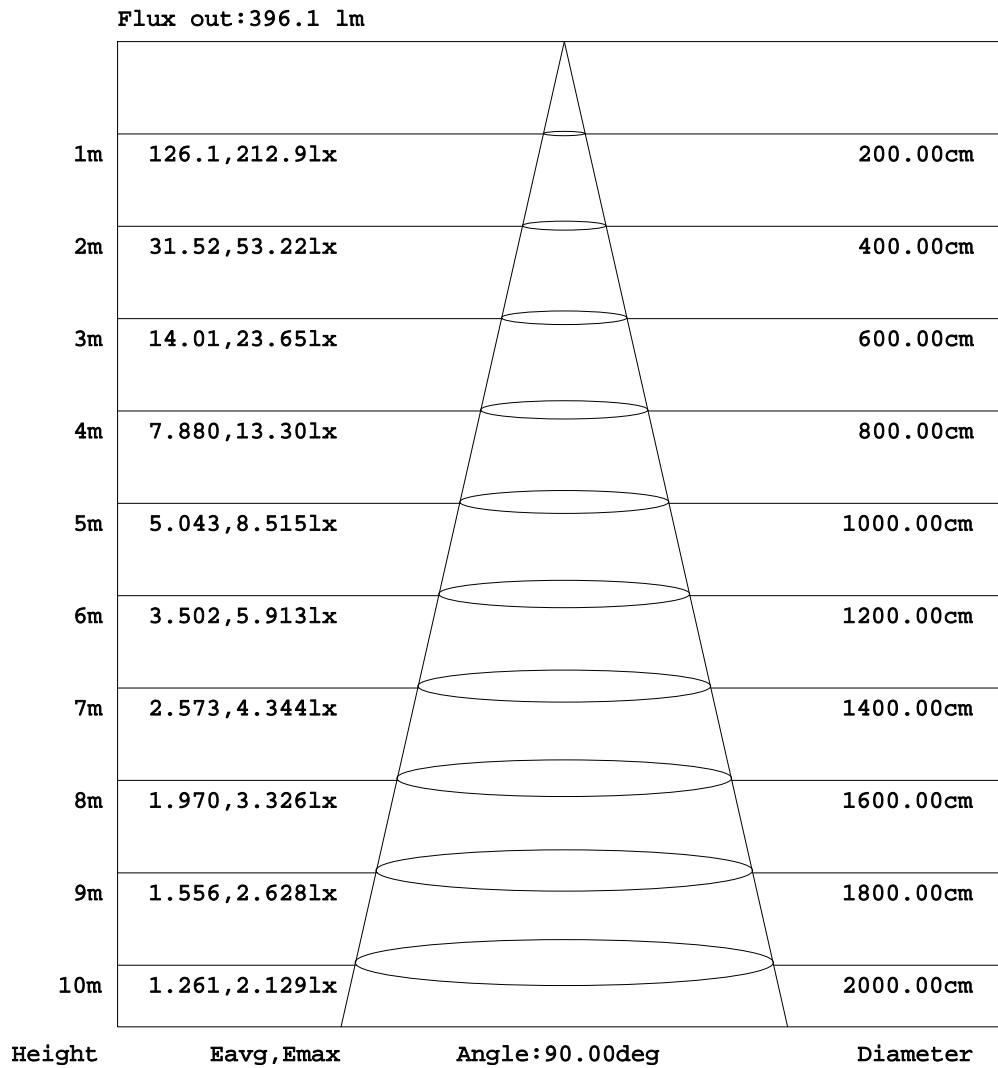


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:LWQ
 Test Date:2018-09-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.363T
 Humidity:46%
 Test Distance:1.505m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.1677A P:15.53W PF:0.7721 Freq:60.01Hz Lamp Flux:1832.94x1 lm		
NAME: A19-16-GU24-850-DIM	TYPE:	WEIGHT:
SPEC.:120V/15.5W/1600lm	DIM.:	SERIAL No.:A1812705A001
MFR.: RAB LIGHTING INC	SUR.:	Shielding Angle:



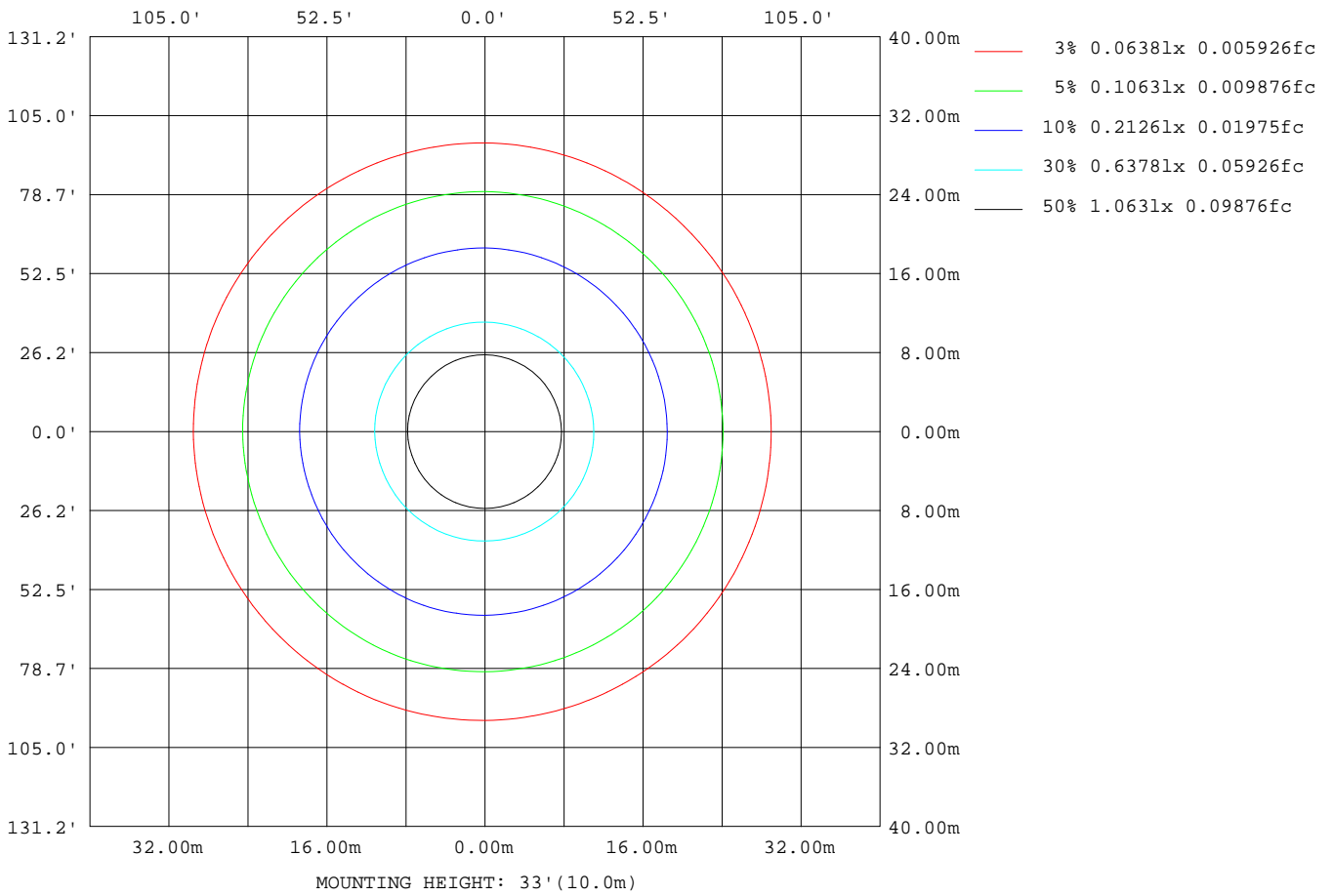
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:LWQ
 Test Date:2018-09-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.363T
 Humidity:46%
 Test Distance:1.505m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1677A P:15.53W PF:0.7721 Freq:60.01Hz Lamp Flux:1832.94x1 lm		
NAME: A19-16-GU24-850-DIM	TYPE:	WEIGHT:
SPEC.:120V/15.5W/1600lm	DIM.:	SERIAL No.:A1812705A001
MFR.: RAB LIGHTING INC	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:LWQ
 Test Date:2018-09-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.363T
 Humidity:46%
 Test Distance:1.505m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1677A P:15.53W PF:0.7721 Freq:60.01Hz Lamp Flux:1832.94x1 lm		
NAME: A19-16-GU24-850-DIM	TYPE:	WEIGHT:
SPEC.:120V/15.5W/1600lm	DIM.:	SERIAL No.:A1812705A001
MFR.: RAB LIGHTING INC	SUR.:	Shielding Angle:

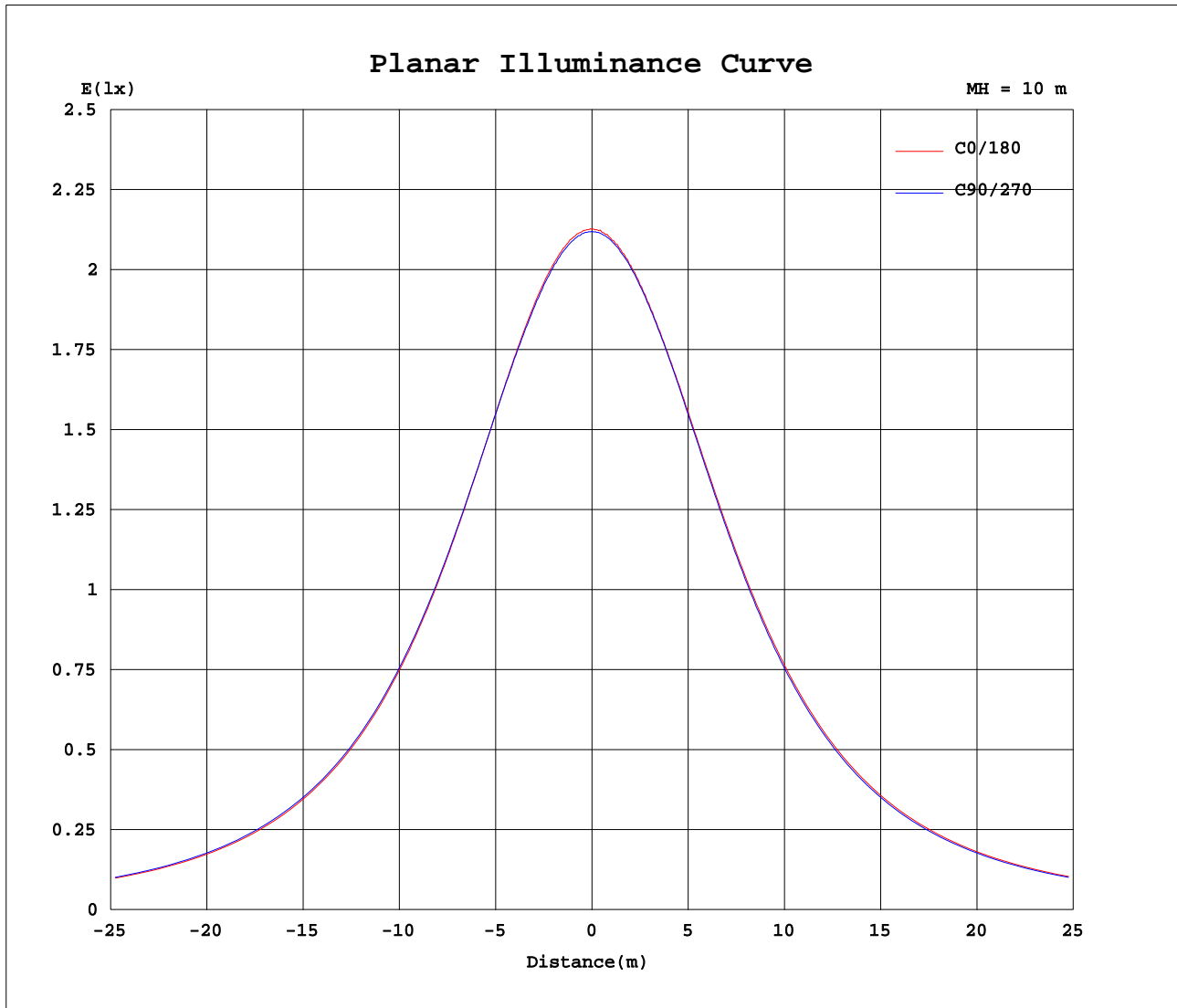
AvgL	cd/m2
L_0~180(65)av	235994
L_0~180(75)av	358649
L_0~180(85)av	971812
L_90~270(65)av	236507
L_90~270(75)av	359137
L_90~270(85)av	972952
L_45(65)av	236297
L_45(75)av	358918
L_45(85)av	972230

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:LWQ
 Test Date:2018-09-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.363T
 Humidity:46%
 Test Distance:1.505m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.6DEG
 Operators: LWQ
 Test Date: 2018-09-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.363T
 Humidity: 46%
 Test Distance: 1.505m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1677A P:15.53W PF:0.7721 Freq:60.01Hz Lamp Flux:1832.94x1 lm		
NAME: A19-16-GU24-850-DIM	TYPE:	WEIGHT:
SPEC.:120V/15.5W/1600lm	DIM.:	SERIAL No.:A1812705A001
MFR.: RAB LIGHTING INC	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	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212			
5	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212			
10	213	213	213	213	213	213	213	212	212	212	213	213	213	213	213	213			
15	214	214	214	214	214	214	214	213	213	213	213	214	214	214	214	214			
20	215	215	215	215	215	215	215	215	215	214	215	215	215	215	215	215			
25	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	215			
30	216	216	216	217	217	217	218	217	217	216	217	217	217	216	217	215			
35	215	215	215	216	217	218	218	217	217	217	217	217	216	216	216	215			
40	214	214	214	215	216	217	217	216	217	216	216	216	215	215	215	213			
45	211	211	212	213	214	216	215	215	215	215	215	214	213	212	212	211			
50	207	208	209	210	211	213	213	212	213	212	212	211	211	209	209	208			
55	203	203	205	206	207	209	209	209	210	209	208	208	206	205	204	203			
60	197	197	200	201	202	205	205	204	205	205	204	203	202	200	199	198			
65	191	191	194	195	197	199	199	199	200	200	199	197	196	194	193	192			
70	184	184	187	188	190	193	193	193	194	194	193	191	189	188	185	185			
75	177	177	179	181	183	185	186	186	188	187	186	184	182	180	178	177			
80	169	169	171	173	175	177	179	179	180	179	178	176	174	172	170	169			
85	160	160	162	164	167	169	171	171	172	171	170	168	166	164	162	160			
90	151	151	153	155	158	160	162	163	164	162	162	159	158	155	153	151			
95	142	142	144	146	149	151	153	154	155	153	153	150	148	146	144	142			
100	132	132	134	137	139	141	144	144	146	144	143	141	139	137	134	132			
105	122	123	124	127	129	132	134	135	136	134	133	131	129	127	125	123			
110	112	113	115	117	120	122	124	125	126	124	123	121	119	117	115	113			
115	102	103	105	107	110	112	114	115	116	115	113	111	109	107	105	104			
120	92.5	93.1	94.9	96.9	99.5	102	103	104	105	105	103	102	99.5	97.3	95.1	93.7			
125	82.8	83.4	85.1	87.0	89.5	91.9	93.2	94.2	95.2	94.5	93.3	91.6	89.5	87.4	85.2	84.0			
130	73.2	73.9	75.5	77.3	79.6	82.0	83.2	84.2	85.3	84.6	83.4	81.8	79.7	77.6	75.6	74.4			
135	64.0	64.6	66.1	67.8	70.1	72.3	73.5	74.4	75.5	74.8	73.8	72.4	70.3	68.1	66.2	65.1			
140	55.1	55.6	57.1	58.6	60.8	62.8	63.9	64.8	66.0	65.4	64.4	63.0	61.0	59.0	57.2	56.0			
145	46.7	47.1	48.5	49.9	51.9	53.7	54.9	55.7	56.9	56.3	55.4	54.1	52.3	50.4	48.7	47.5			
150	38.9	39.2	40.4	41.7	43.5	45.1	46.4	47.1	48.3	47.8	47.0	45.9	44.2	42.4	40.8	39.7			
155	31.7	32.1	33.1	34.2	35.8	37.2	38.4	39.2	40.1	39.8	39.2	38.2	36.8	35.2	33.8	32.5			
160	25.0	25.4	26.4	27.5	28.8	29.9	31.2	31.8	32.5	32.6	32.0	31.2	30.0	28.6	27.1	26.0			
165	17.4	18.2	19.4	20.7	22.0	23.2	24.3	24.9	25.6	25.6	25.1	24.4	23.2	22.0	20.2	19.4			
170	7.58	9.61	11.2	12.8	14.3	15.6	16.7	17.4	18.2	18.2	17.8	17.0	15.6	14.4	11.5	8.26			
175	0.34	0.34	0.35	1.12	1.24	2.53	3.38	5.38	6.68	5.80	4.21	1.55	2.39	0.48	0.28	0.28			
180	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
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