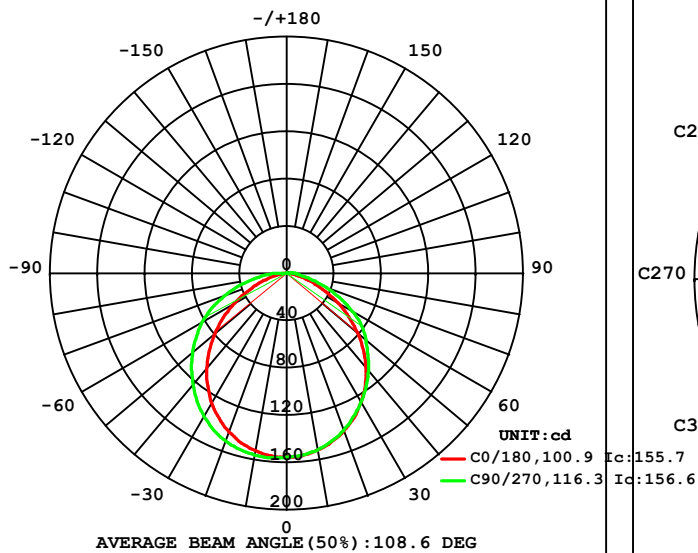
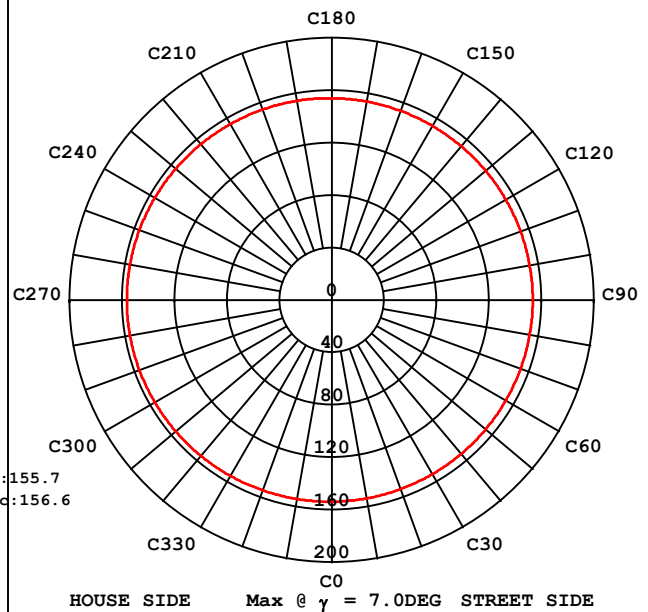


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: EKF4148253	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4148253	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 80.35 lm/W			
MODEL	2835-60P-IP68	Imax (cd)	156.6	η street_up (%)	0.5
NOMINAL POWER (W)	5.4	LOR (%)	100.0	η street_down (%)	46.5
RATED VOLTAGE (V)	DC12	TOTAL FLUX (lm)	433.9	η house_up (%)	0.4
NOMINAL FLUX (lm)	433.9	MAXIMUM @ (C, γ)	270, 7.0	η house_down (%)	52.6
LAMPS INSIDE	DC12	η up (%)	0.8	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)		η down (%)	99.2	SLI	0.000

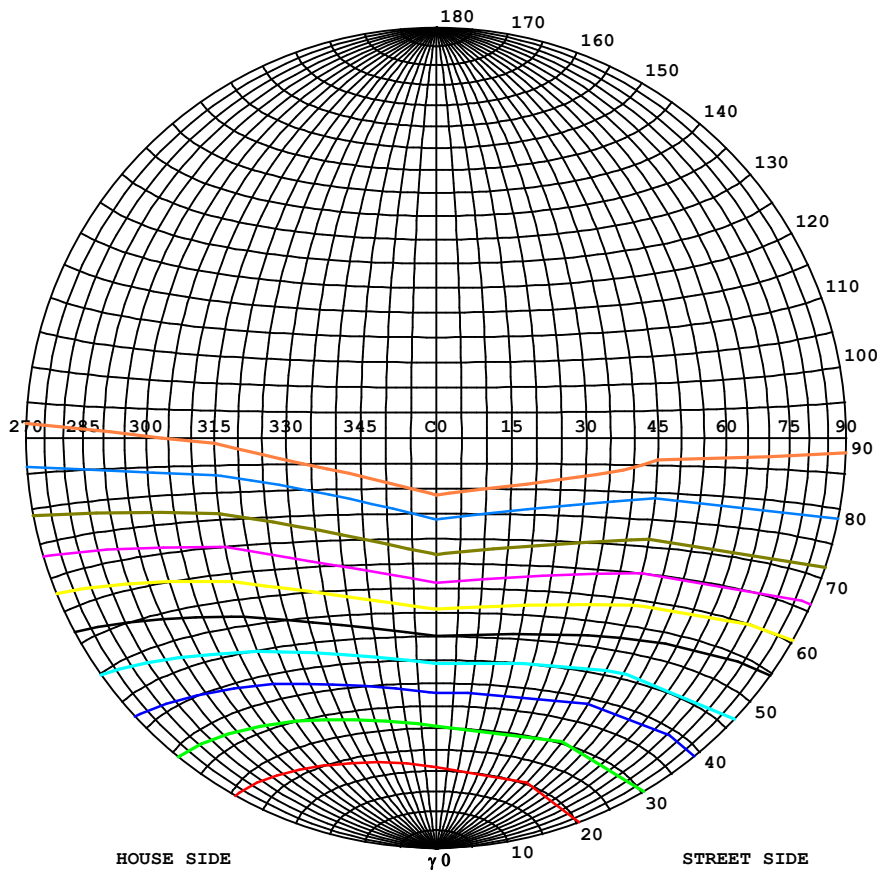
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC01
 Test Date: 2021-06-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 8.702m [K=1.0000]
 Remarks: EKF4148253 (1000mm)
 DC12V-2835-60P

STREETLIGHT ISOCANDELA DIAGRAM

NAME: EKF4148253	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4148253	SUR.:	Shielding Angle:



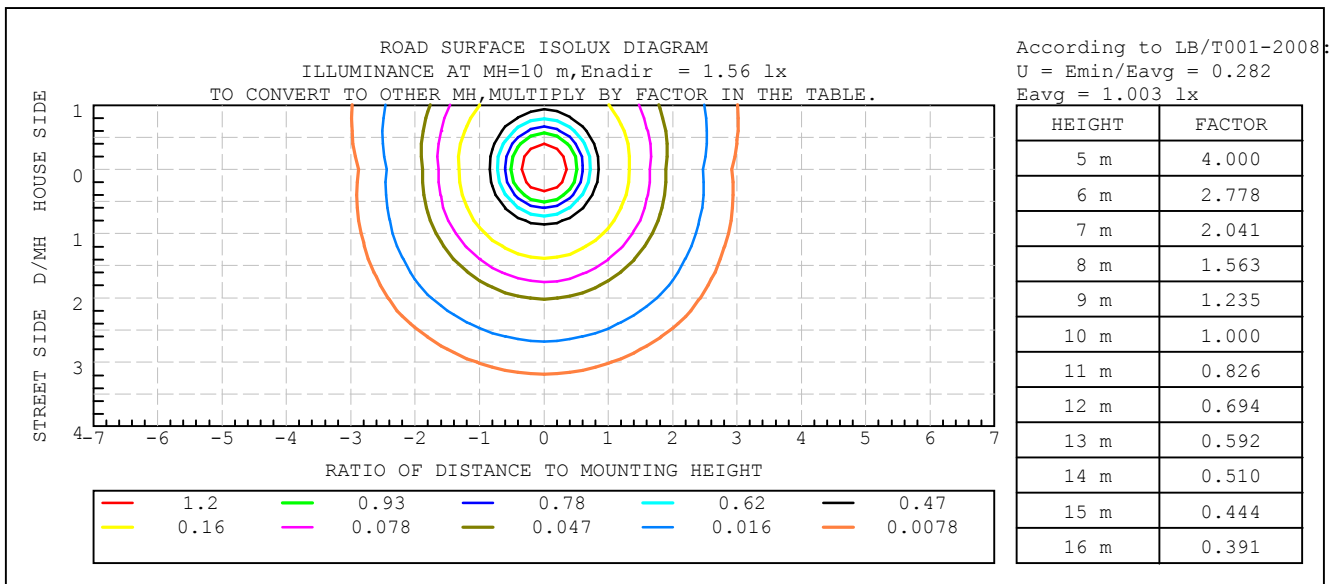
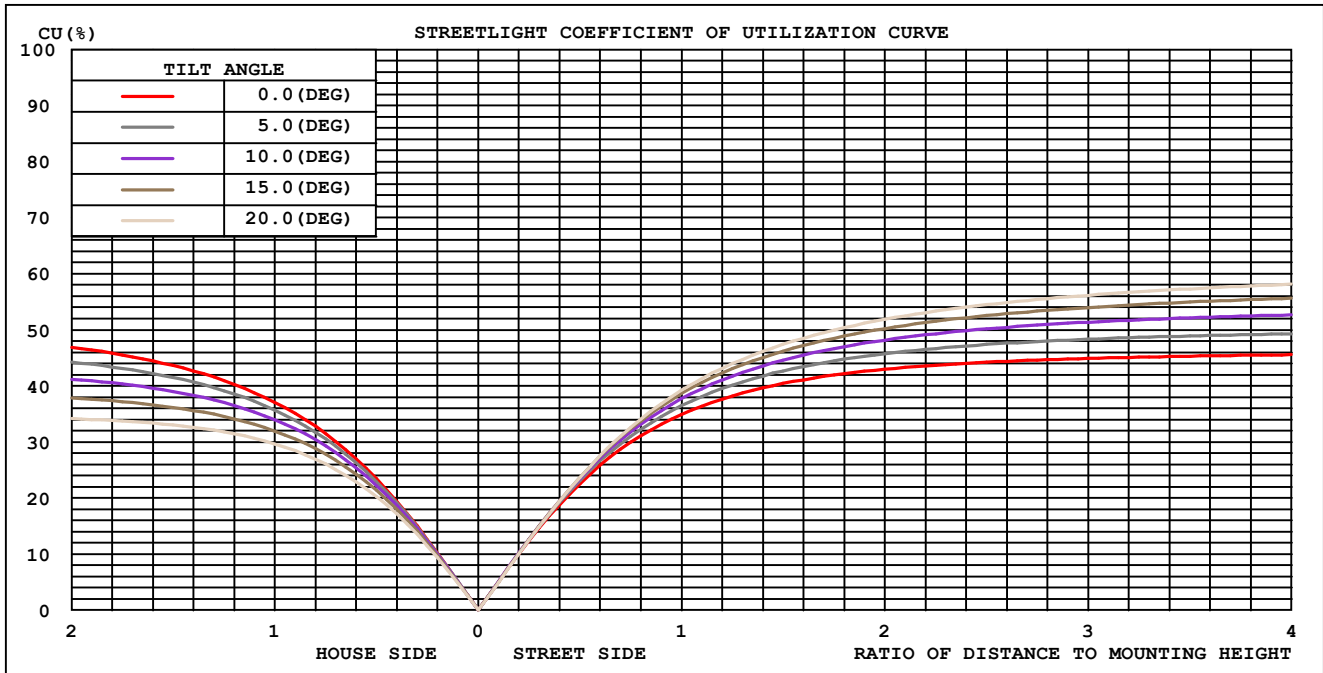
Classification:

IES:Type II - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:66.52cd/klm
 Max.At90:22.25cd/klm
 Max.80-90:66.52cd/klm
 NRB 5101:Limited[5.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	157
90%	141
80%	125
70%	110
60%	94
50%	78
40%	63
30%	47
20%	31
10%	16
5%	8

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC01
 Test Date:2021-06-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.702m [K=1.0000]
 Remarks: EKF4148253(1000mm)
 DC12V-2835-60P

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC01
Test Date: 2021-06-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity: 65.0%
Test Distance: 8.702m [K=1.0000]
Remarks: EKF4148253(1000mm)
DC12V-2835-60P

ZONAL FLUX DIAGRAM

NAME: EKF4148253	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4148253	SUR.:	Shielding Angle:

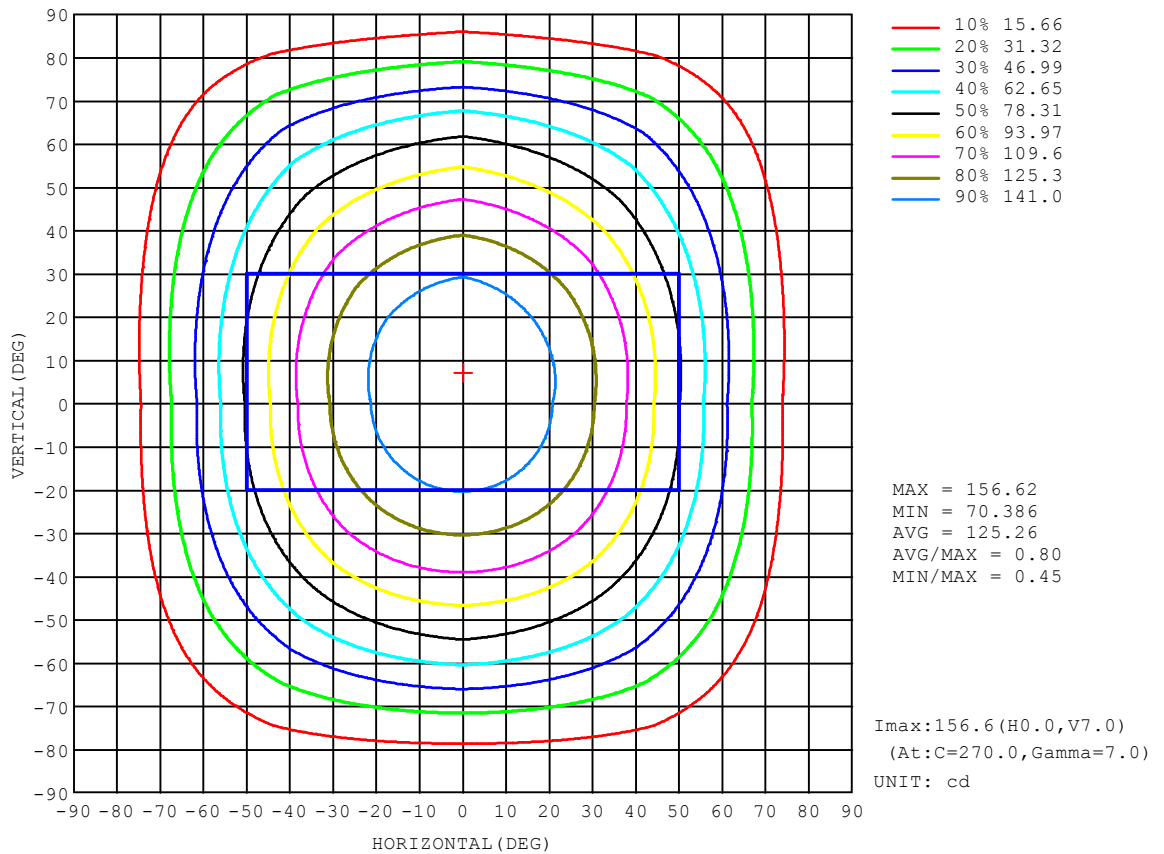
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	152.0	151.4	151.5	151.7	152.4	154.8	156.0	154.8	0- 10	14.74	14.74	3.4,3.4
20	142.0	141.5	141.4	141.6	142.7	147.9	151.0	147.5	10- 20	42.18	56.92	13.1,13.1
30	126.1	125.9	125.9	126.2	126.8	135.2	139.9	133.6	20- 30	63.48	120.4	27.7,27.7
40	104.5	107.3	107.7	107.8	105.4	117.4	123.2	115.9	30- 40	75.69	196.1	45.2,45.2
50	78.61	84.33	87.77	84.90	79.48	95.66	103.9	93.43	40- 50	77.19	273.3	63,63
60	50.16	59.79	63.93	60.42	51.21	72.44	82.44	70.61	50- 60	68.31	341.6	78.7,78.7
70	23.64	34.72	35.67	34.90	25.07	48.08	56.15	46.71	60- 70	50.38	392.0	90.3,90.3
80	6.044	14.02	13.35	13.75	6.847	23.02	28.86	22.47	70- 80	27.85	419.8	96.8,96.8
90	0	6.632	7.379	6.496	0	7.384	9.654	7.202	80- 90	10.42	430.2	99.2,99.2
100	0	0.7922	3.818	0.8440	0	0	1.675	0	90-100	3.451	433.7	99.9,99.9
110	0	0	0	0	0	0	0	0	100-110	0.2282	433.9	100,100
120	0	0	0	0	0	0	0	0	110-120	0	433.9	100,100
130	0	0	0	0	0	0	0	0	120-130	0	433.9	100,100
140	0	0	0	0	0	0	0	0	130-140	0	433.9	100,100
150	0	0	0	0	0	0	0	0	140-150	0	433.9	100,100
160	0	0	0	0	0	0	0	0	150-160	0	433.9	100,100
170	0	0	0	0	0	0	0	0	160-170	0	433.9	100,100
180	0	0	0	0	0	0	0	0	170-180	0	433.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC01
 Test Date:2021-06-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.702m [K=1.0000]
 Remarks: EKF4148253(1000mm)
 DC12V-2835-60P

ISOCANDELA DIAGRAM

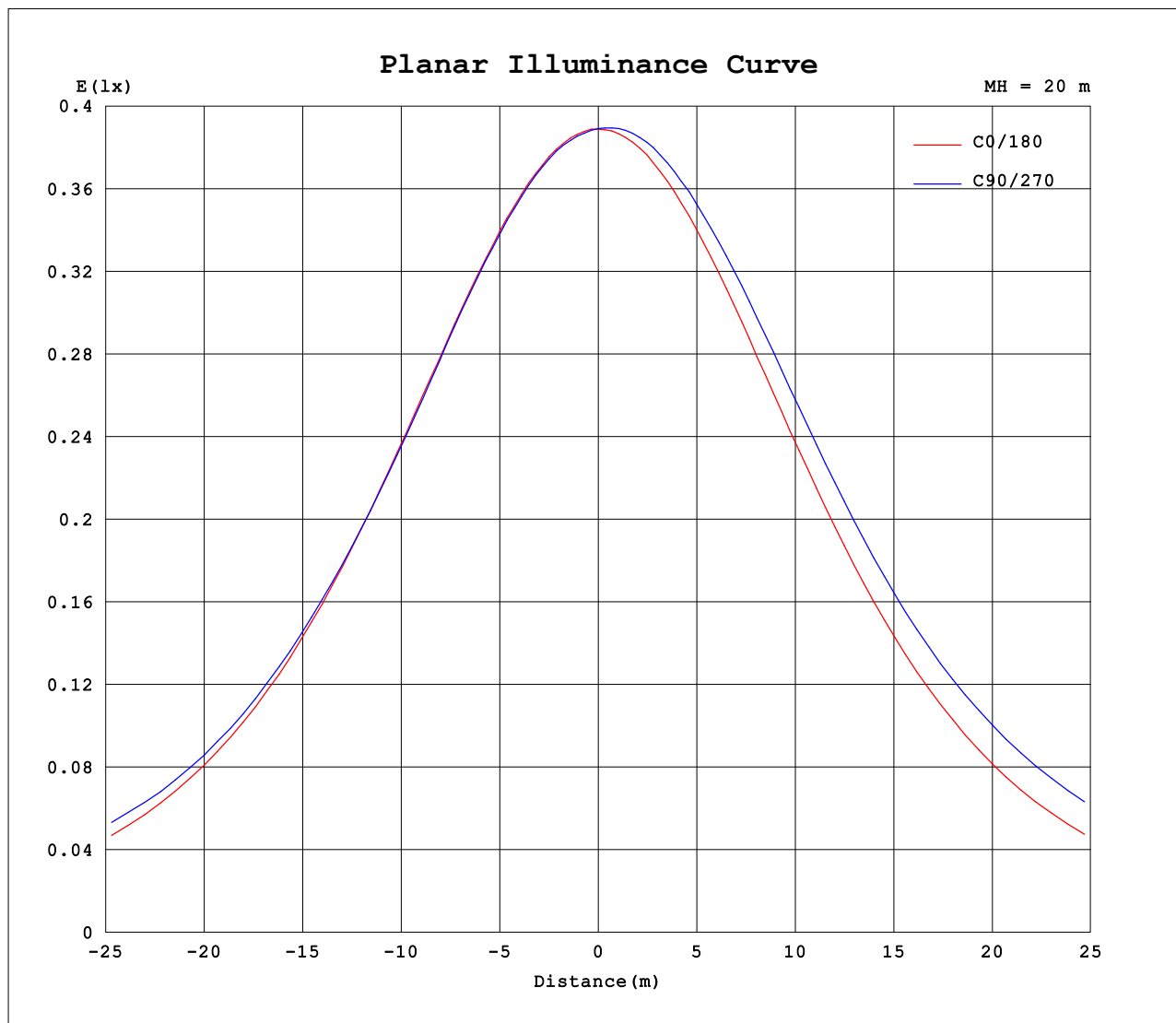
NAME: EKF4148253	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4148253	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC01
Test Date:2021-06-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.702m [K=1.0000]
Remarks: EKF4148253(1000mm)
DC12V-2835-60P

Planar Illuminance Curve



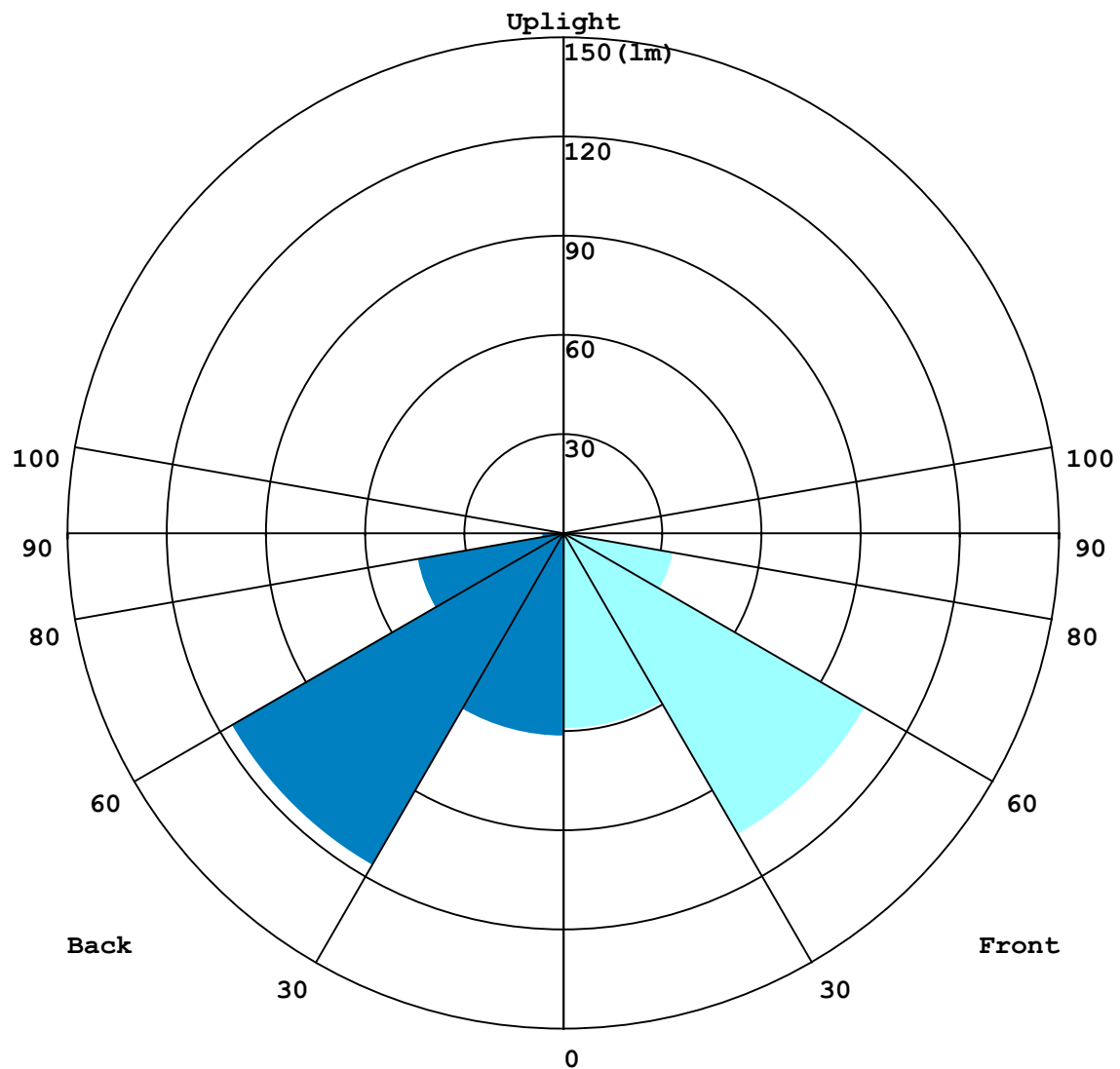
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC01
Test Date: 2021-06-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity: 65.0%
Test Distance: 8.702m [K=1.0000]
Remarks: EKF4148253 (1000mm)
DC12V-2835-60P

LCS REPORT

NAME: EKF4148253	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4148253	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC01
Test Date: 2021-06-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity: 65.0%
Test Distance: 8.702m [K=1.0000]
Remarks: EKF4148253 (1000mm)
DC12V-2835-60P

BUG REPORT

NAME: EKF4148253	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4148253	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	59.046	13.6
FM - Front-Medium(30-60)	105.34	24.3
FH - Front-High(60-80)	33.503	7.7
FVH - Front-Very High(80-90)	3.9568	0.9
Total Forward Light	203.93	47.0

BL - Back-Low(0-30)	61.353	14.1
BM - Back-Medium(30-60)	115.85	26.7
BH - Back-High(60-80)	44.72	10.3
BVH - Back-Very High(80-90)	6.4586	1.5
Total Back Light	229.98	53.0

UL - Uplight-Low(90-100)	3.451	0.8
UH - Uplight-High(100-180)	0.22822	0.1
Total Up Light	3.6793	0.8

BUG(Back,Up,Glare) Rating	B0-U1-G0
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	228.38	1.5987	229.98
Street Side	201.85	2.0806	203.93

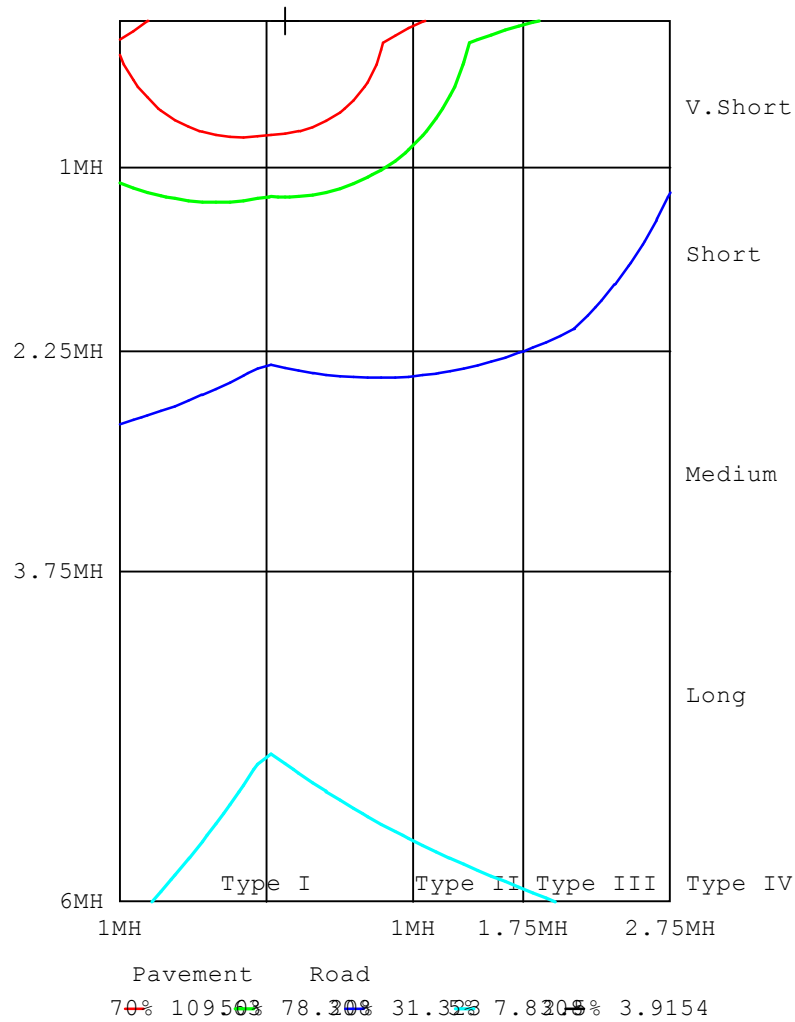
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC01
Test Date:2021-06-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:8.702m [K=1.0000]
Remarks: EKF4148253(1000mm)
DC12V-2835-60P

ROAD ISOCANDELA REPORT

NAME: EKF4148253	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4148253	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC01
Test Date: 2021-06-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity: 65.0%
Test Distance: 8.702m [K=1.0000]
Remarks: EKF4148253 (1000mm)
DC12V-2835-60P

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: EKF4148253	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4148253	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	156	156	156	156	156	156	156	156										
5	155	154	154	154	155	156	157	156										
10	152	151	152	152	152	155	156	155										
15	148	147	147	147	148	152	154	152										
20	142	141	141	142	143	148	151	148										
25	135	134	134	135	136	142	146	141										
30	126	126	126	126	127	135	140	134										
35	116	117	117	117	117	127	132	125										
40	104	107	108	108	105	117	123	116										
45	91.9	96.1	97.3	96.6	92.7	107	114	105										
50	78.6	84.3	87.8	84.9	79.5	95.7	104	93.4										
55	64.5	72.2	77.4	72.8	65.4	84.1	93.3	82.2										
60	50.2	59.8	63.9	60.4	51.2	72.4	82.4	70.6										
65	36.1	47.0	49.8	47.4	37.3	60.5	69.9	58.9										
70	23.6	34.7	35.7	34.9	25.1	48.1	56.2	46.7										
75	13.5	23.0	23.0	23.1	14.5	35.2	41.7	34.1										
80	6.04	14.0	13.3	13.7	6.85	23.0	28.9	22.5										
85	1.16	8.34	8.93	8.17	2.15	12.7	17.3	12.4										
90	0.00	6.63	7.38	6.50	0.00	7.38	9.65	7.20										
95	0.00	4.00	5.97	3.97	0.00	2.65	4.58	2.49										
100	0.00	0.79	3.82	0.84	0.00	0.00	1.68	0.00										
105	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00										
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC01
 Test Date: 2021-06-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 8.702m [K=1.0000]
 Remarks: EKF4148253 (1000mm)
 DC12V-2835-60P