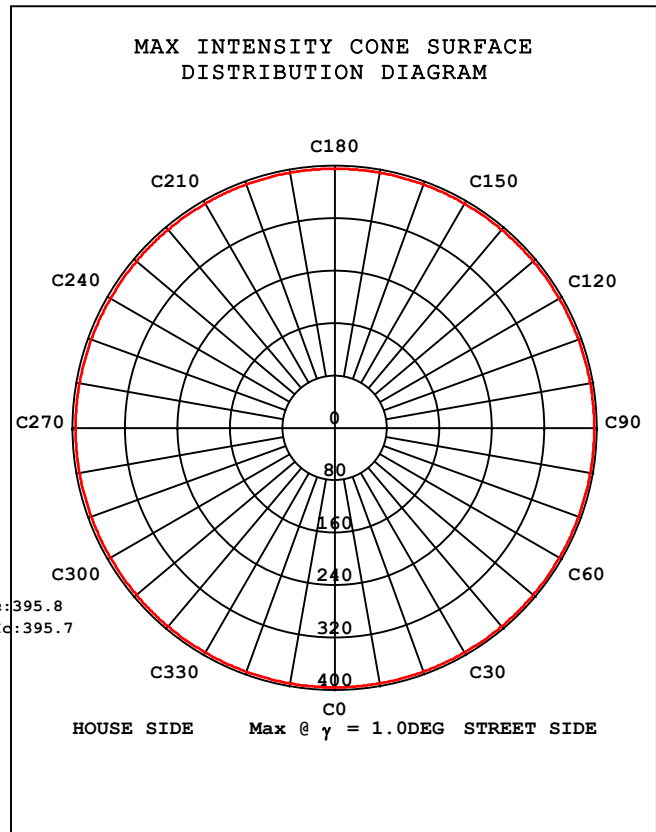
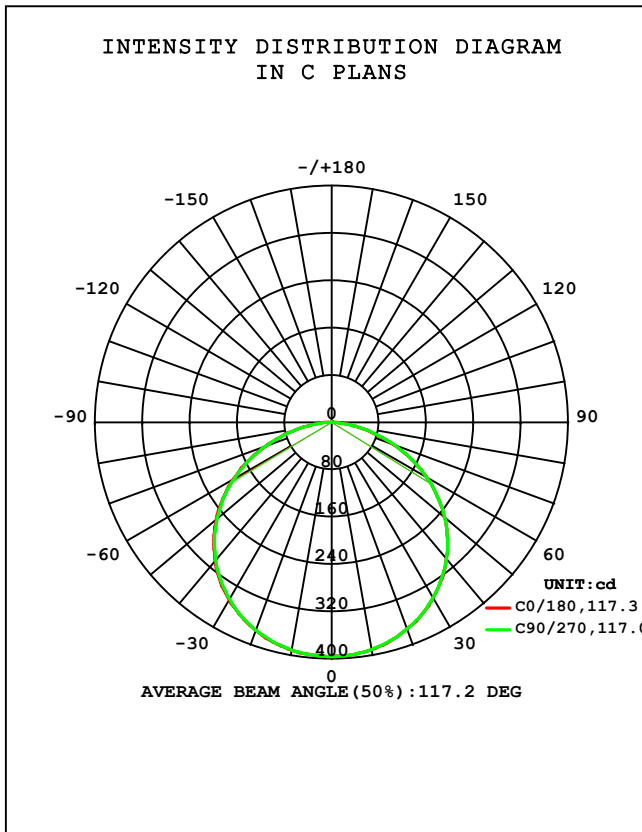


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: EKF4296PRO	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4296PRO	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.56 lm/W			
MODEL	2835-120P-3000K10W	Imax(cd)	395.8	η street_up(%)	0.0
NOMINAL POWER(W)	10.7	LOR(%)	100.0	η street_down(%)	49.5
RATED VOLTAGE(V)	DC12	TOTAL FLUX(lm)	1183	η house_up(%)	0.0
NOMINAL FLUX(lm)	1183	MAXIMUM @ (C, γ)	180, 1.0	η house_down(%)	50.5
LAMPS INSIDE	DC12	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		η down(%)	100.0	SLI	16.655

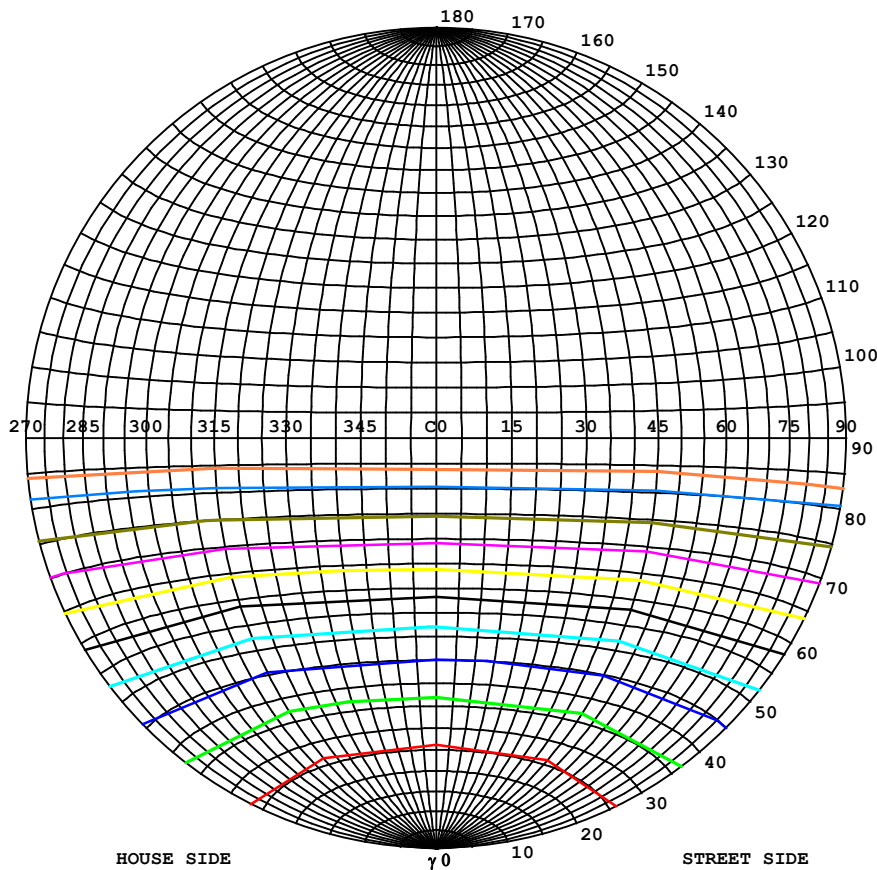


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC01
 Test Date: 2021-06-01

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: EKF4148PRO(1000mm)
 DC12V-2835-60P-2700K

STREETLIGHT ISOCANDELA DIAGRAM

NAME: EKF4296PRO	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4296PRO	SUR.:	Shielding Angle:



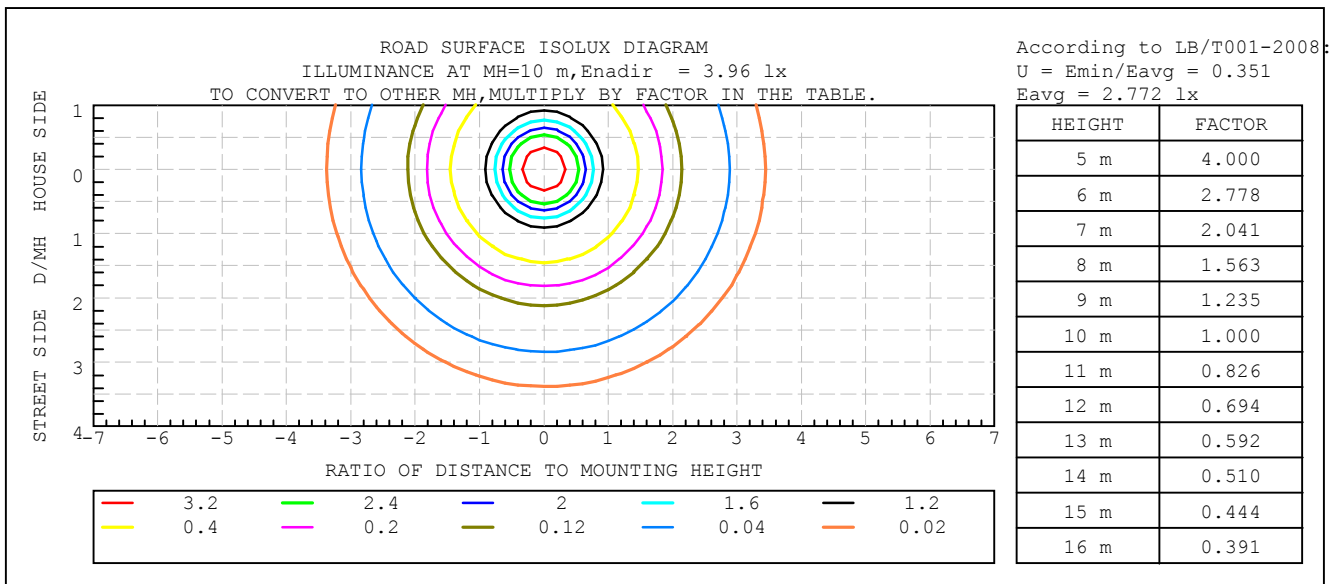
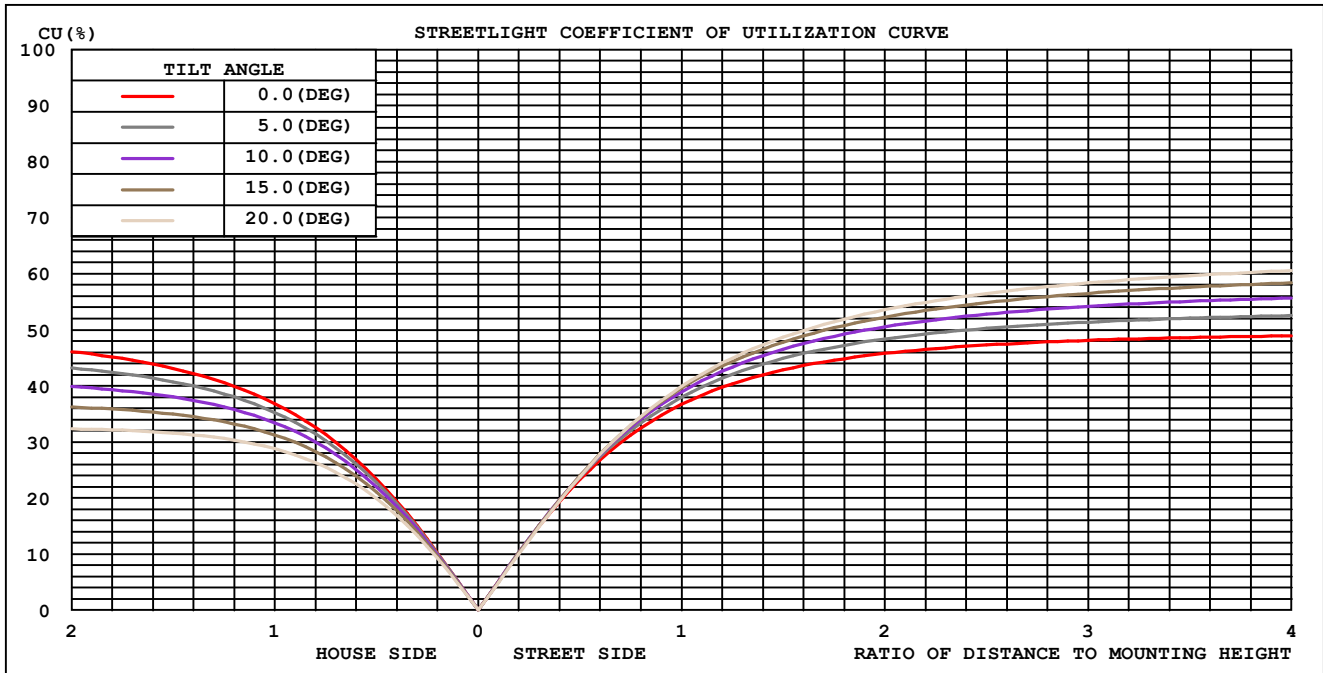
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:40.85cd/klm
Max.At90:0.2206cd/klm
Max.80-90:40.85cd/klm
NRB 5101:Limited[6.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	396
90%	356
80%	317
70%	277
60%	237
50%	198
40%	158
30%	119
20%	79
10%	40
5%	20

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: EKF4148PRO(1000mm)
DC12V-2835-60P-2700K

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: EKF4148PRO(1000mm)
DC12V-2835-60P-2700K

ZONAL FLUX DIAGRAM

NAME: EKF4296PRO	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4296PRO	SUR.:	Shielding Angle:

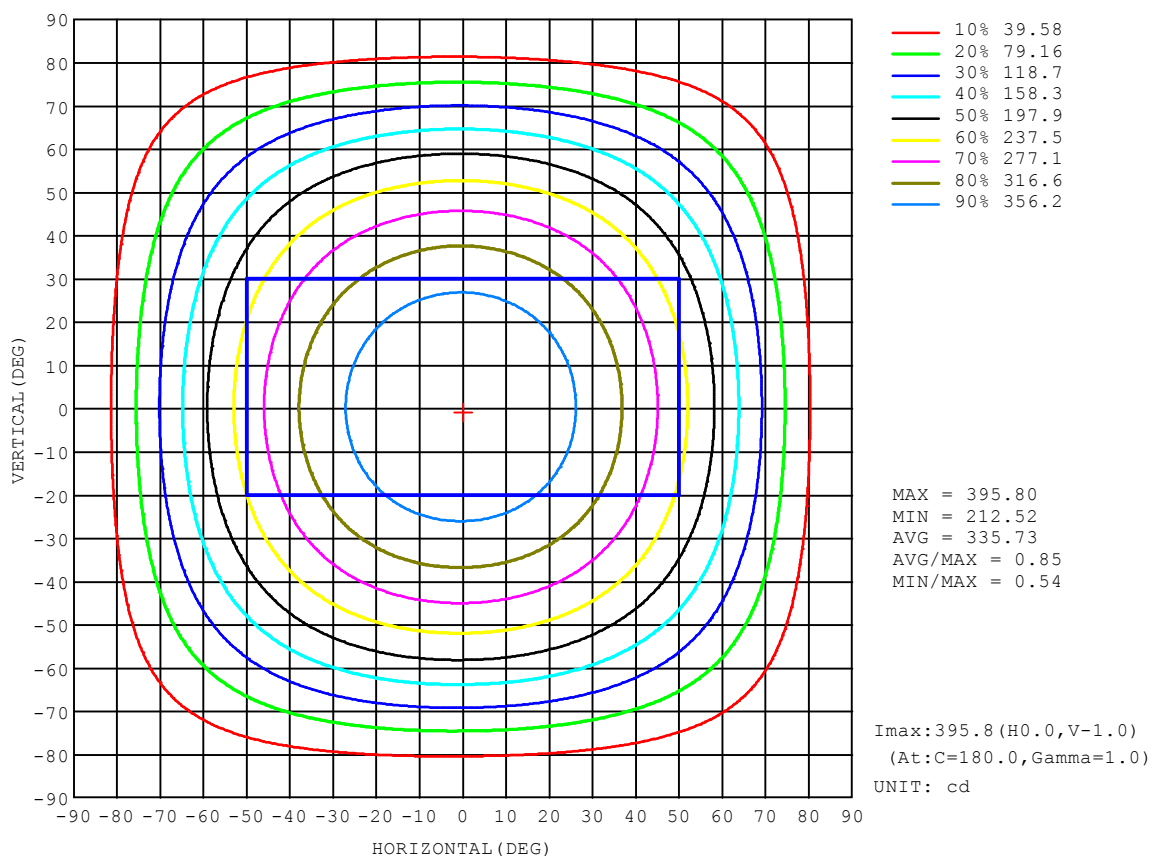
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	390.1	390.0	389.9	390.6	391.2	391.0	390.9	390.3	0- 10	37.53	37.53	3.17,3.17
20	372.7	372.3	372.4	373.8	374.9	374.6	374.1	373.2	10- 20	108.3	145.8	12.3,12.3
30	343.3	343.2	343.1	345.5	346.9	346.4	345.8	344.6	20- 30	166.3	312.2	26.4,26.4
40	302.4	301.4	302.1	304.5	306.6	306.5	304.9	304.0	30- 40	204.0	516.2	43.6,43.6
50	249.5	248.7	249.4	252.4	255.0	254.8	253.1	251.7	40- 50	215.4	731.5	61.8,61.8
60	185.5	184.6	185.5	189.2	192.2	192.0	190.3	188.3	50- 60	197.7	929.2	78.6,78.6
70	112.3	112.1	112.9	117.1	120.1	119.9	119.0	115.9	60- 70	151.2	1080	91.3,91.3
80	41.49	41.63	42.16	45.73	48.32	48.21	47.87	44.45	70- 80	84.02	1164	98.4,98.4
90	0.0055	0	0.0103	0	0.2610	0	0	0	80- 90	18.52	1183	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0019	1183	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1183	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1183	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1183	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1183	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1183	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1183	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1183	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1183	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: EKF4148PRO(1000mm)
DC12V-2835-60P-2700K

ISOCANDELA DIAGRAM

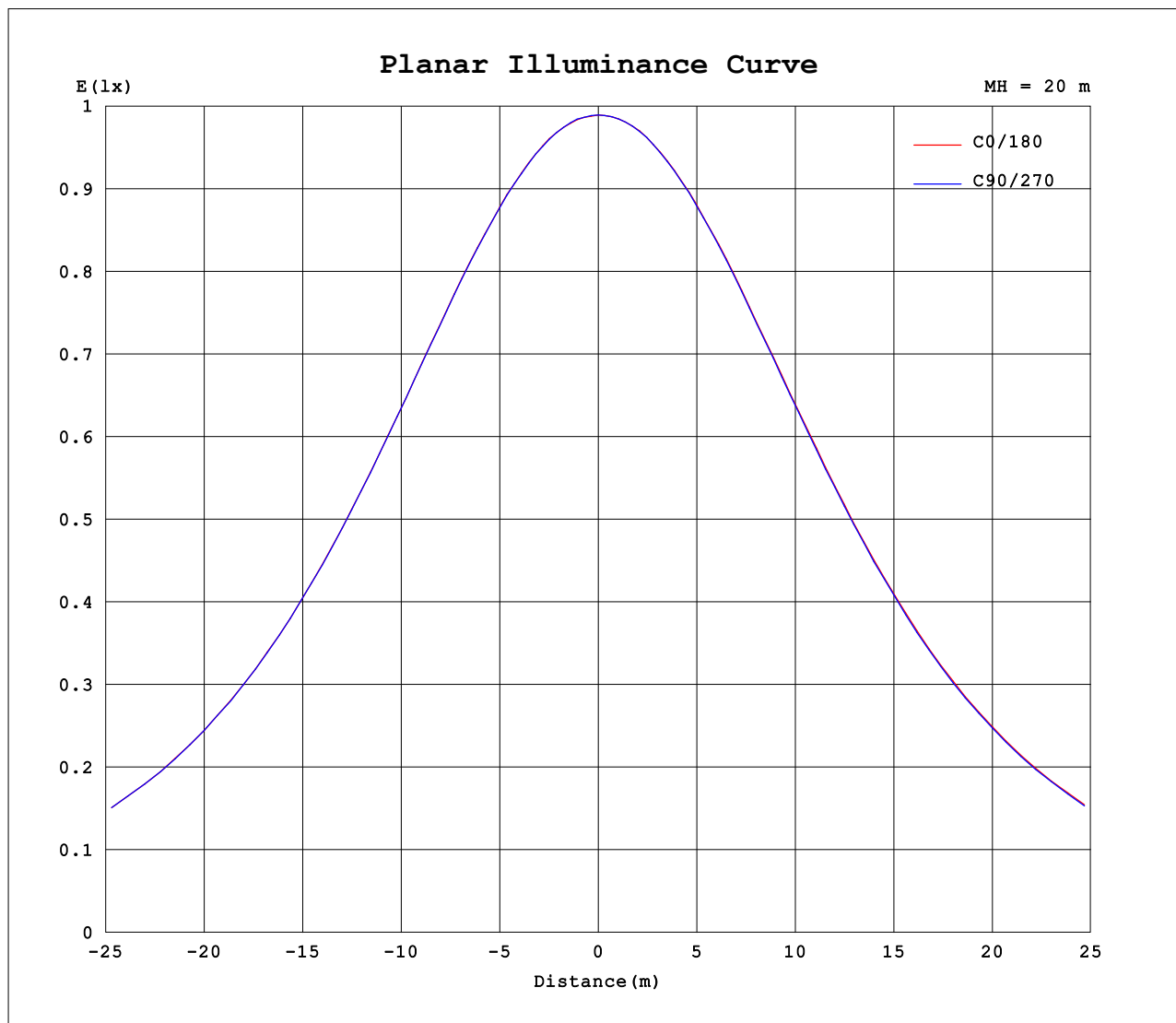
NAME: EKF4296PRO	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4296PRO	SUR.:	Shielding Angle:



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: EKF4148PRO(1000mm)
DC12V-2835-60P-2700K

Planar Illuminance Curve



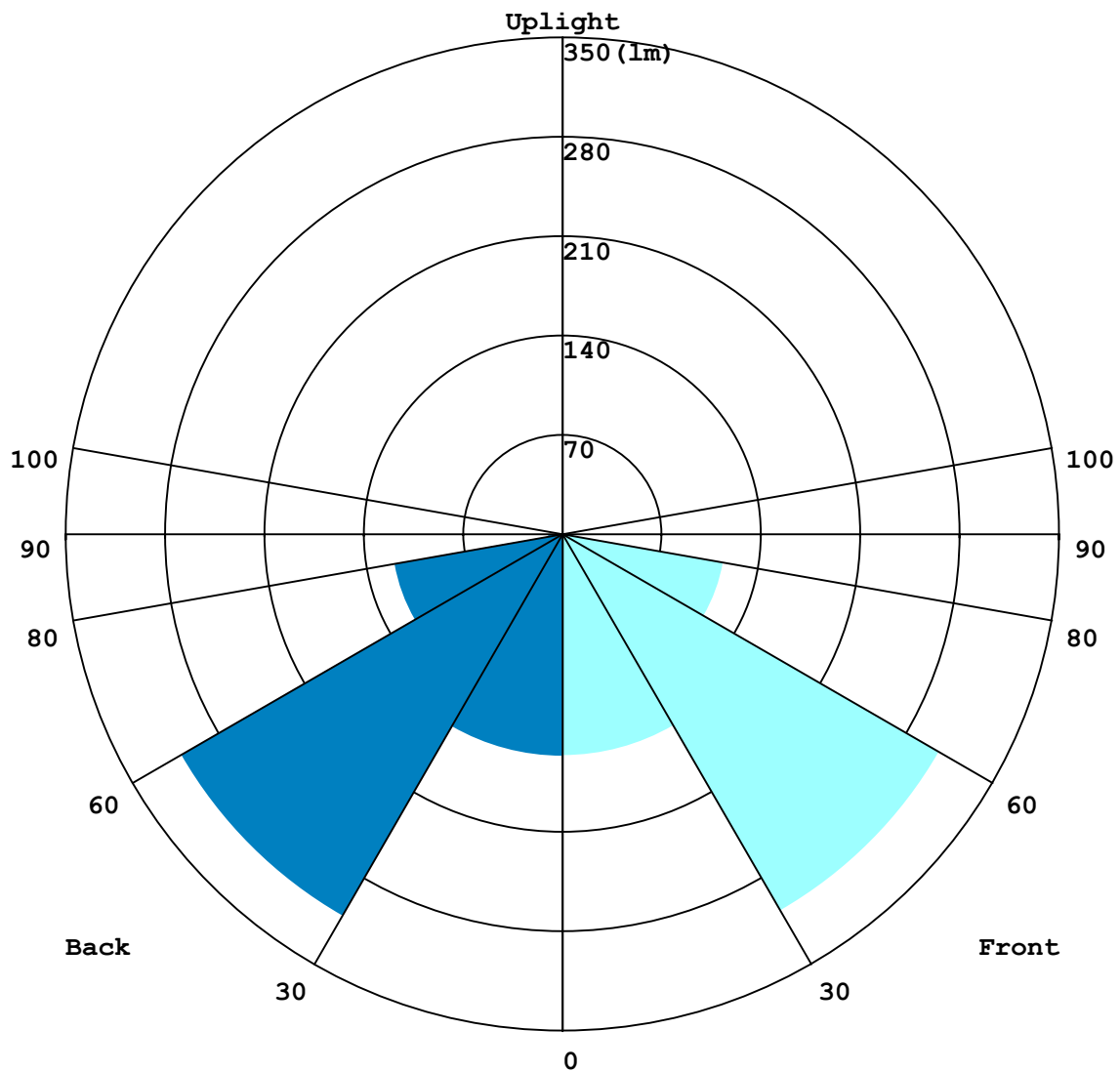
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC01
Test Date: 2021-06-01

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: EKF4148PRO(1000mm)
DC12V-2835-60P-2700K

LCS REPORT

NAME: EKF4296PRO	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4296PRO	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: EKF4148PRO(1000mm)
DC12V-2835-60P-2700K

BUG REPORT

NAME: EKF4296PRO	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4296PRO	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	155.79	13.2
FM - Front-Medium(30-60)	306.59	25.9
FH - Front-High(60-80)	115.11	9.7
FVH - Front-Very High(80-90)	8.3834	0.7
Total Forward Light	585.88	49.5

BL - Back-Low(0-30)	156.37	13.2
BM - Back-Medium(30-60)	310.46	26.2
BH - Back-High(60-80)	120.09	10.2
BVH - Back-Very High(80-90)	10.133	0.9
Total Back Light	597.05	50.5

UL - Uplight-Low(90-100)	0.0018968	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0.0018968	0.0

BUG(Back,Up,Glare) Rating	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	597.05	0.0017888	597.05
Street Side	585.88	0.00010795	585.88

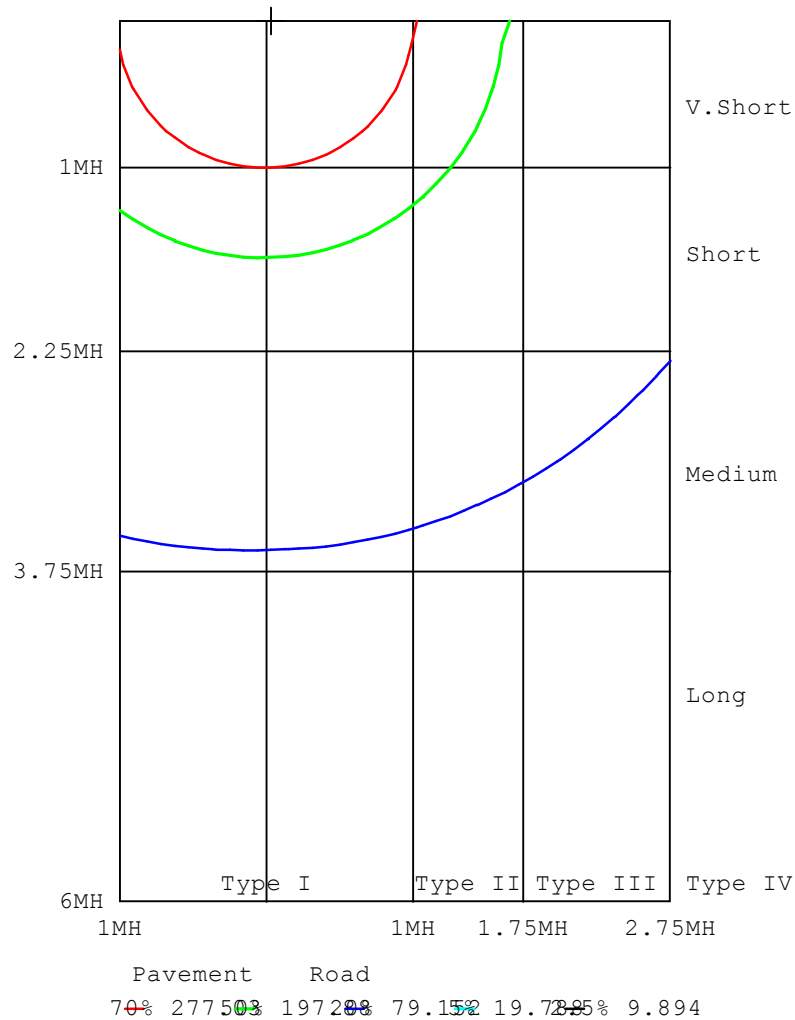
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC01
Test Date:2021-06-01

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: EKF4148PRO(1000mm)
DC12V-2835-60P-2700K

ROAD ISOCANDELA REPORT

NAME: EKF4296PRO	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4296PRO	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: EKF4148PRO(1000mm)
DC12V-2835-60P-2700K

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: EKF4296PRO	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EKF4296PRO	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	396	396	396	396	396	396	396	396										
5	394	394	394	395	395	395	395	394										
10	390	390	390	391	391	391	391	390										
15	383	383	383	384	384	384	384	383										
20	373	372	372	374	375	375	374	373										
25	360	359	359	361	363	362	361	360										
30	343	343	343	345	347	346	346	345										
35	324	324	324	327	329	328	327	326										
40	302	301	302	305	307	306	305	304										
45	277	276	277	280	282	282	280	279										
50	250	249	249	252	255	255	253	252										
55	219	218	219	222	225	225	223	221										
60	185	185	186	189	192	192	190	188										
65	149	149	150	154	157	157	155	153										
70	112	112	113	117	120	120	119	116										
75	75.5	75.2	76.2	80.1	83.0	82.9	82.3	78.9										
80	41.5	41.6	42.2	45.7	48.3	48.2	47.9	44.5										
85	13.4	11.8	6.17	15.3	18.6	20.0	11.5	17.3										
90	0.01	0.00	0.01	0.00	0.26	0.00	0.00	0.00										
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
105	0.00	0.00	0.00	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: EKF4148PRO(1000mm)
DC12V-2835-60P-2700K