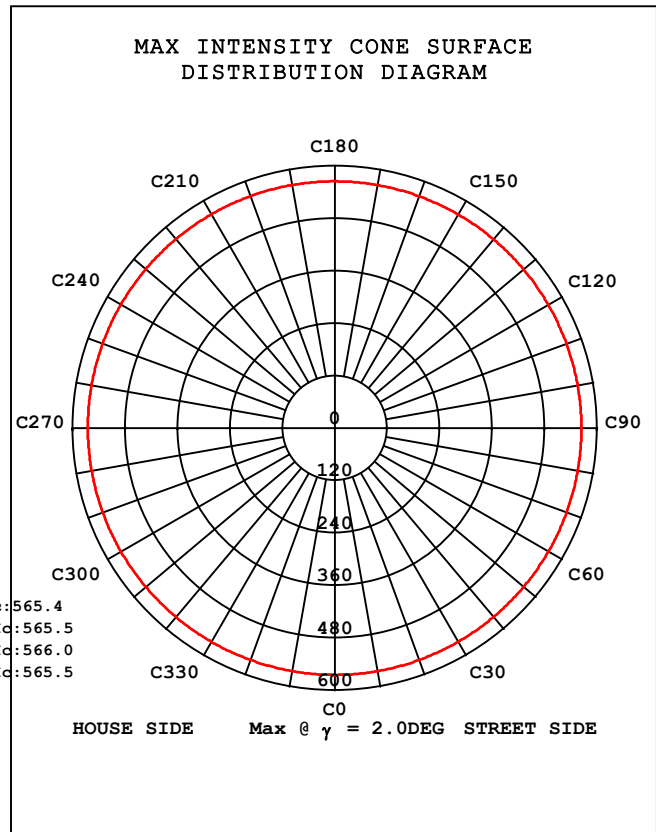
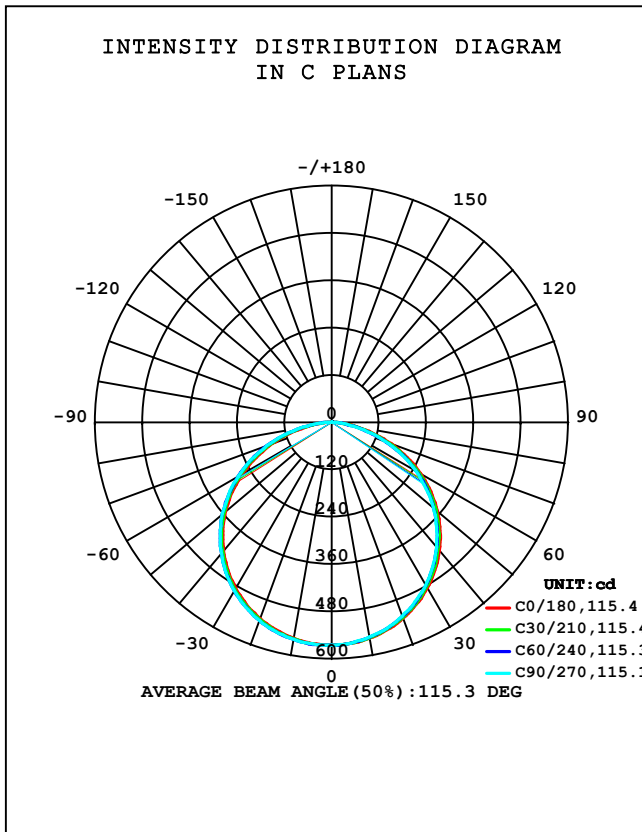


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: EKF4119HL90	TYPE:2700K	WEIGHT:1..233
SPEC.:120度	DIM.: 1000MM	SERIAL No.:
MFR.:	SUR.:0.98*0.031	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.48 lm/W			
MODELEKF4119HL90 2835-240P		Imax(cd)	566.0	η street_up(%)	0.0
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	48.6
RATED VOLTAGE(V)	DC12	TOTAL FLUX(lm)	1656	η house_up(%)	0.0
NOMINAL FLUX(lm)	1656.24	MAXIMUM @ (C, γ)	240,2.0	η house_down(%)	51.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	DC12	η down(%)	100.0	SLI	17.130

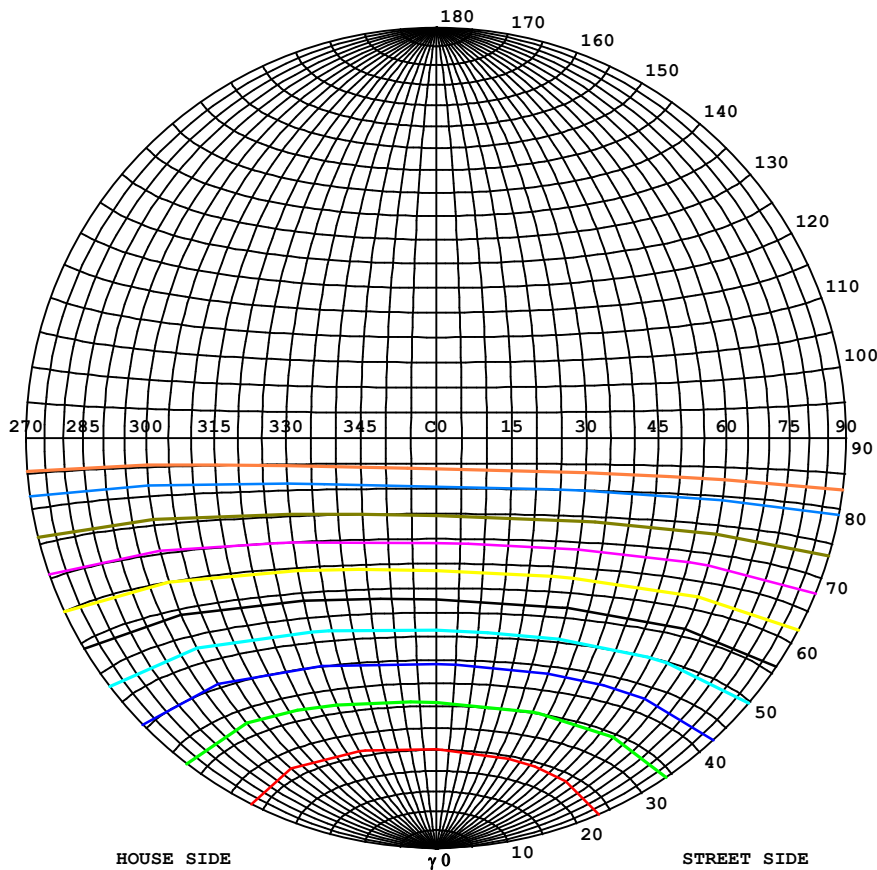


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:QC01
Test Date:2021-09-25

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: EKF4119HL90
DC12V IP20 2835-240P
2700K

STREETLIGHT ISOCANDELA DIAGRAM

NAME: EKF4119HL90	TYPE: 2700K	WEIGHT: 1.233
SPEC.: 120度	DIM.: 1000MM	SERIAL No.:
MFR.:	SUR.: 0.98*0.031	Shielding Angle:



Classification:

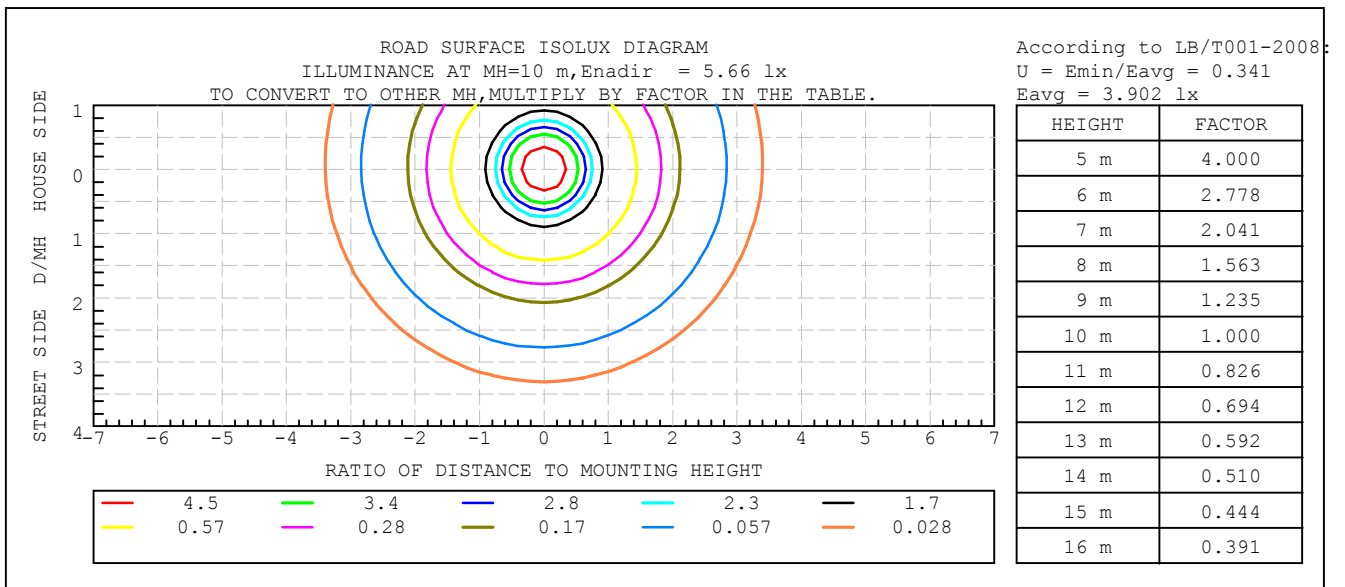
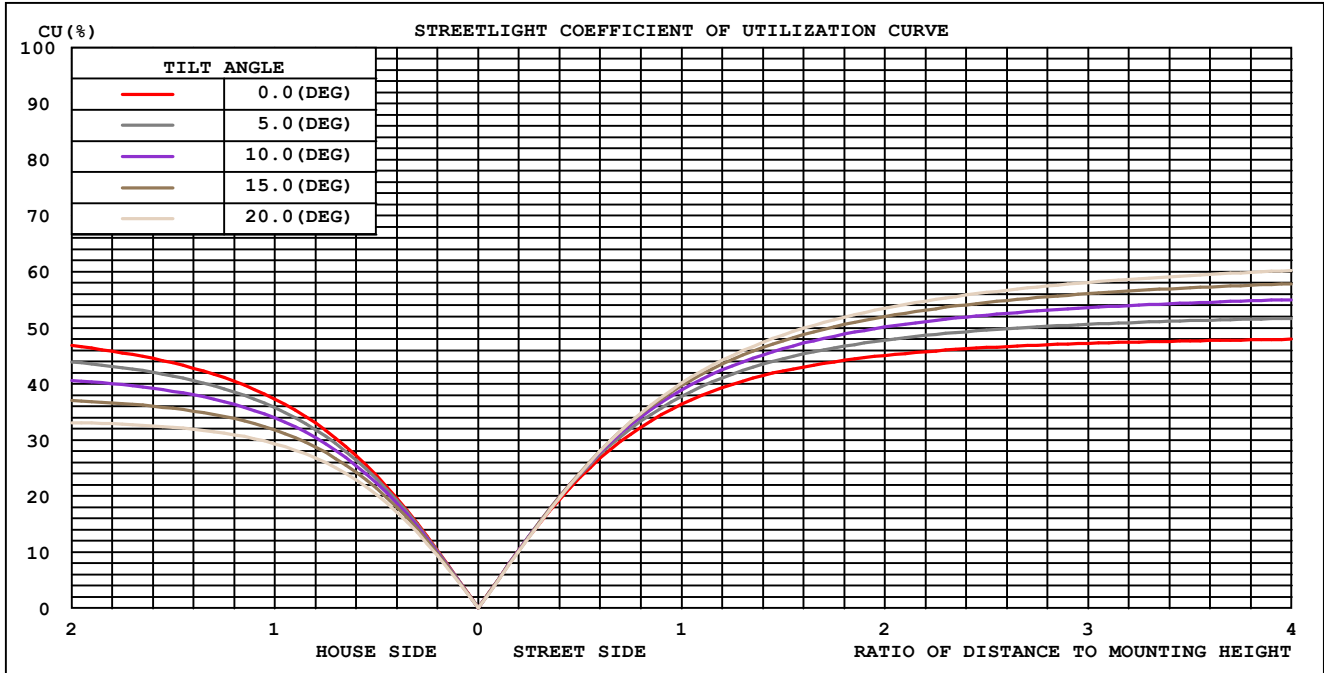
IES: Type V - Very Short
 CIE: Narrow - Short
 IES: Cut-off
 CIE: Semi-cut-off
 Max. At 80: 44.24cd/klm
 Max. At 90: 2.289cd/klm
 Max. 80-90: 44.24cd/klm
 NRB 5101: Limited[6.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	566
90%	509
80%	453
70%	396
60%	340
50%	283
40%	226
30%	170
20%	113
10%	57
5%	28

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: DEG
 Operators: QC01
 Test Date: 2021-09-25

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: EKF4119HL90
 DC12V IP20 2835-240P
 2700K

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: QC01
Test Date: 2021-09-25

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: EKF4119HL90
DC12V IP20 2835-240P
2700K

ZONAL FLUX DIAGRAM

NAME: EKF4119HL90	TYPE:2700K	WEIGHT:1..233
SPEC.:120度	DIM.: 1000MM	SERIAL No.:
MFR.:	SUR.:0.98*0.031	Shielding Angle:

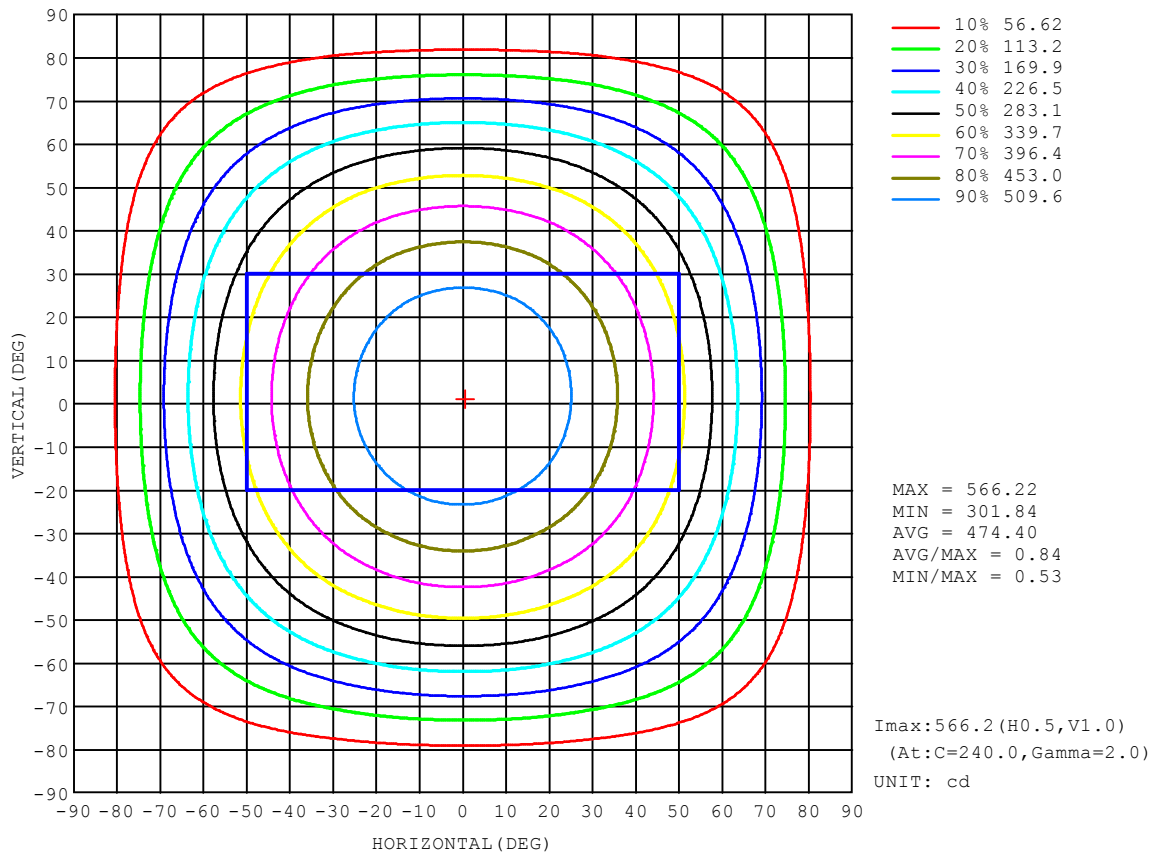
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	556.3	554.3	553.2	554.2	556.5	558.8	559.3	558.4	0- 10	53.54	53.54	3.23,3.23
20	529.5	525.7	523.4	525.4	530.3	534.2	535.4	534.2	10- 20	154.0	207.5	12.5,12.5
30	485.7	480.1	476.8	479.4	486.6	492.1	493.8	492.1	20- 30	235.1	442.6	26.7,26.7
40	425.7	418.3	414.3	417.5	426.9	433.4	435.7	433.5	30- 40	286.4	728.9	44,44
50	350.4	341.8	336.8	340.6	351.5	359.3	362.2	359.7	40- 50	300.5	1029	62.2,62.2
60	260.9	251.6	245.8	249.8	261.4	270.7	274.3	271.1	50- 60	274.2	1304	78.7,78.7
70	160.8	151.4	146.1	149.4	161.1	171.2	175.3	171.9	60- 70	209.3	1513	91.4,91.4
80	60.10	52.94	49.05	51.55	60.73	69.35	73.18	70.48	70- 80	116.0	1629	98.4,98.4
90	0.0177	0.4780	0.5560	1.219	0.1485	2.237	2.935	3.082	80- 90	27.12	1656	100,100
100	0	0	0	0	0	0	0	0	90-100	0.1714	1656	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1656	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1656	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1656	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1656	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1656	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1656	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1656	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1656	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:QC01
Test Date:2021-09-25

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: EKF4119HL90
DC12V IP20 2835-240P
2700K

ISOCANDELA DIAGRAM

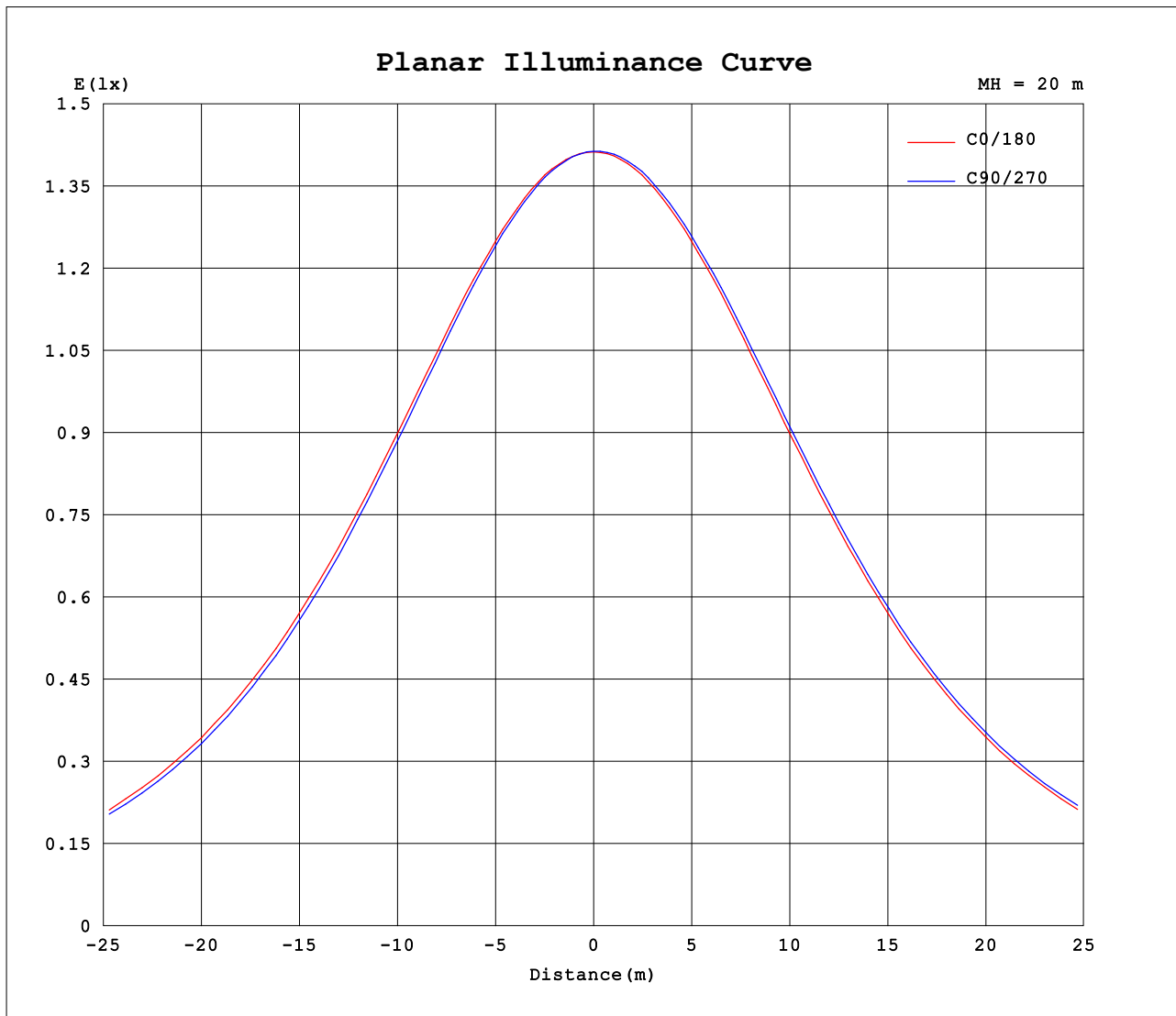
NAME: EKF4119HL90	TYPE:2700K	WEIGHT:1..233
SPEC.:120度	DIM.: 1000MM	SERIAL No.:
MFR.:	SUR.:0.98*0.031	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:QC01
Test Date:2021-09-25

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: EKF4119HL90
DC12V IP20 2835-240P
2700K

Planar Illuminance Curve



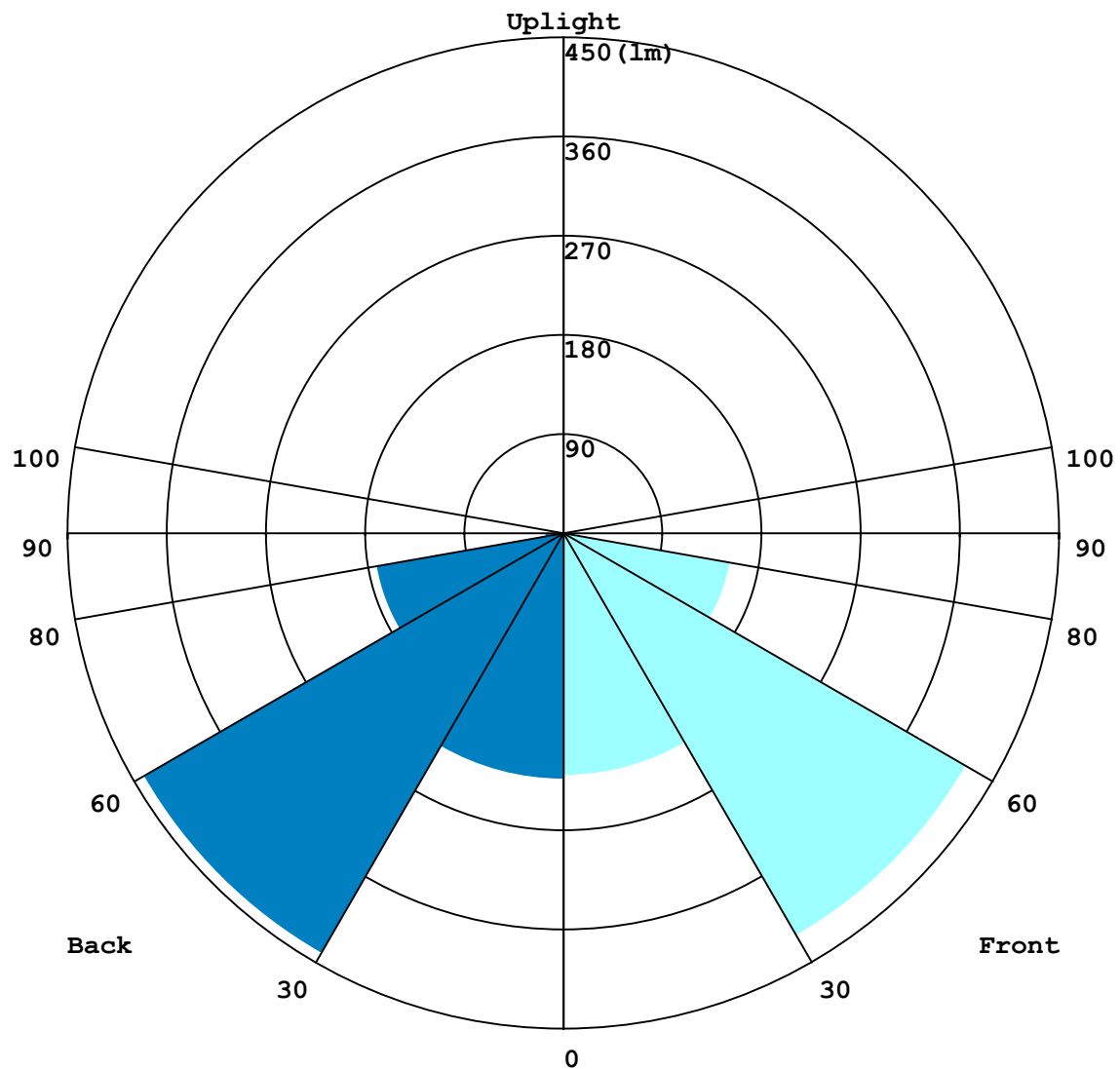
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: QC01
Test Date: 2021-09-25

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: EKF4119HL90
DC12V IP20 2835-240P
2700K

LCS REPORT

NAME: EKF4119HL90	TYPE:2700K	WEIGHT:1..233
SPEC.:120度	DIM.: 1000MM	SERIAL No.:
MFR.:	SUR.:0.98*0.031	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: DEG
Operators: QC01
Test Date: 2021-09-25

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: EKF4119HL90
DC12V IP20 2835-240P
2700K

BUG REPORT

NAME: EKF4119HL90	TYPE:2700K	WEIGHT:1..233
SPEC.:120度	DIM.: 1000MM	SERIAL No.:
MFR.:	SUR.:0.98*0.031	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	219.65	13.3
FM - Front-Medium(30-60)	421.58	25.5
FH - Front-High(60-80)	153.28	9.3
FVH - Front-Very High(80-90)	10.768	0.7
Total Forward Light	805.33	48.6

BL - Back-Low(0-30)	222.92	13.5
BM - Back-Medium(30-60)	439.53	26.5
BH - Back-High(60-80)	171.99	10.4
BVH - Back-Very High(80-90)	16.348	1.0
Total Back Light	850.91	51.4

UL - Uplight-Low(90-100)	0.17137	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0.17137	0.0

BUG(Back,Up,Glare) Rating	B1-U1-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	850.78	0.13052	850.91
Street Side	805.29	0.04085	805.33

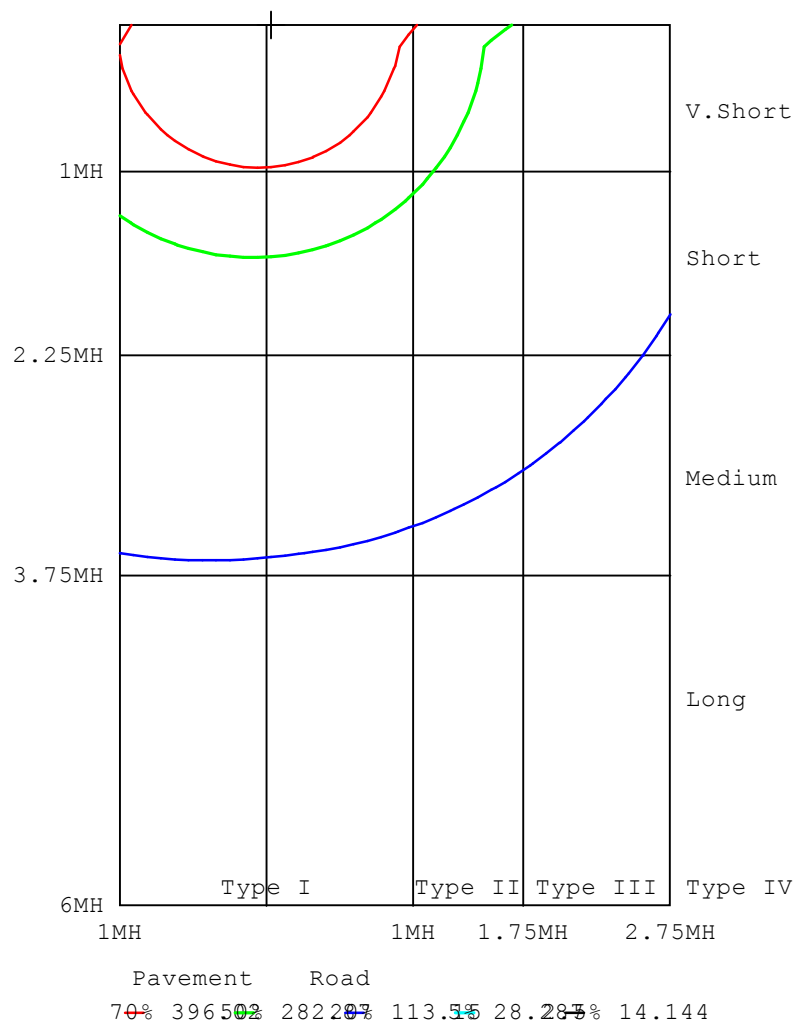
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:QC01
Test Date:2021-09-25

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: EKF4119HL90
DC12V IP20 2835-240P
2700K

ROAD ISOCANDELA REPORT

NAME: EKF4119HL90	TYPE:2700K	WEIGHT:1..233
SPEC.:120度	DIM.: 1000MM	SERIAL No.:
MFR.:	SUR.:0.98*0.031	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:QC01
Test Date:2021-09-25

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: EKF4119HL90
DC12V IP20 2835-240P
2700K

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: EKF4119HL90	TYPE:2700K	WEIGHT:1..233
SPEC.:120度	DIM.: 1000MM	SERIAL No.:
MFR.:	SUR.:0.98*0.031	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	565	565	565	565	565	565	565	565	565	565	565	565						
5	563	562	562	562	562	563	563	564	565	565	564	564						
10	556	555	554	553	554	555	557	558	560	559	559	558						
15	545	543	541	541	541	543	545	547	550	550	549	548						
20	530	527	524	523	524	527	530	533	536	535	535	533						
25	510	507	503	502	503	506	511	514	517	517	517	514						
30	486	482	478	477	477	481	487	490	494	494	494	491						
35	458	453	449	447	448	453	459	463	467	467	467	463						
40	426	421	416	414	415	420	427	431	436	436	435	431						
45	390	385	379	377	378	384	391	396	401	401	401	396						
50	350	345	338	337	338	344	352	357	362	362	362	357						
55	307	301	295	293	294	299	308	314	320	320	320	315						
60	261	255	249	246	247	253	261	268	273	274	274	269						
65	212	206	199	197	198	203	212	219	225	226	225	220						
70	161	155	148	146	146	152	161	168	174	175	175	169						
75	109	104	97.3	95.7	96.0	101	109	116	123	123	123	117						
80	60.1	55.7	50.2	49.1	49.3	53.8	60.7	66.2	72.5	73.2	73.3	67.7						
85	20.5	17.5	14.3	13.7	14.4	17.1	21.2	24.7	29.4	30.4	30.4	26.3						
90	0.02	0.39	0.57	0.56	1.33	1.11	0.15	1.63	2.85	2.93	3.79	2.37						
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00						
100	0.00	0.00	0.00	0.00	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.00	0.00	0.00	0.00						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:DEG
Operators:QC01
Test Date:2021-09-25

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: EKF4119HL90
DC12V IP20 2835-240P
2700K