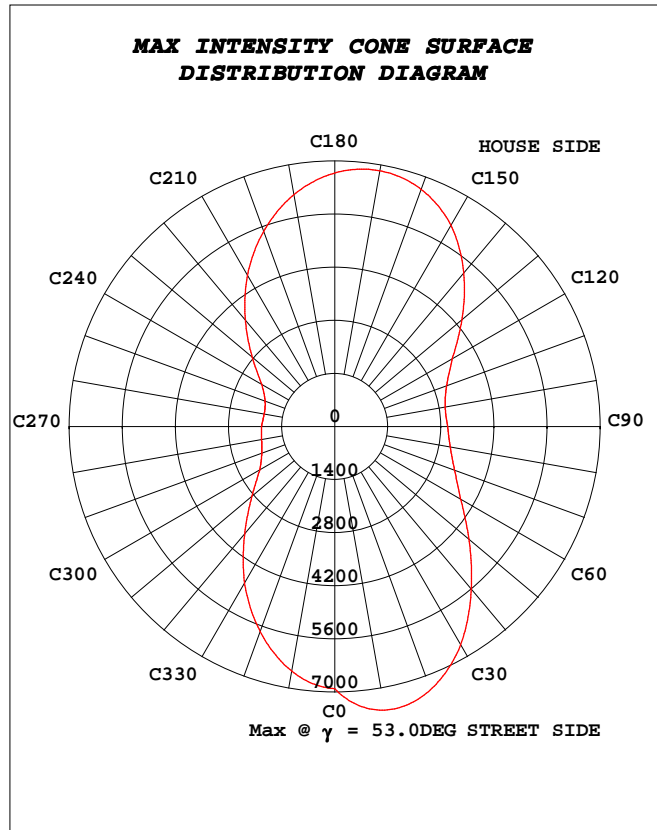
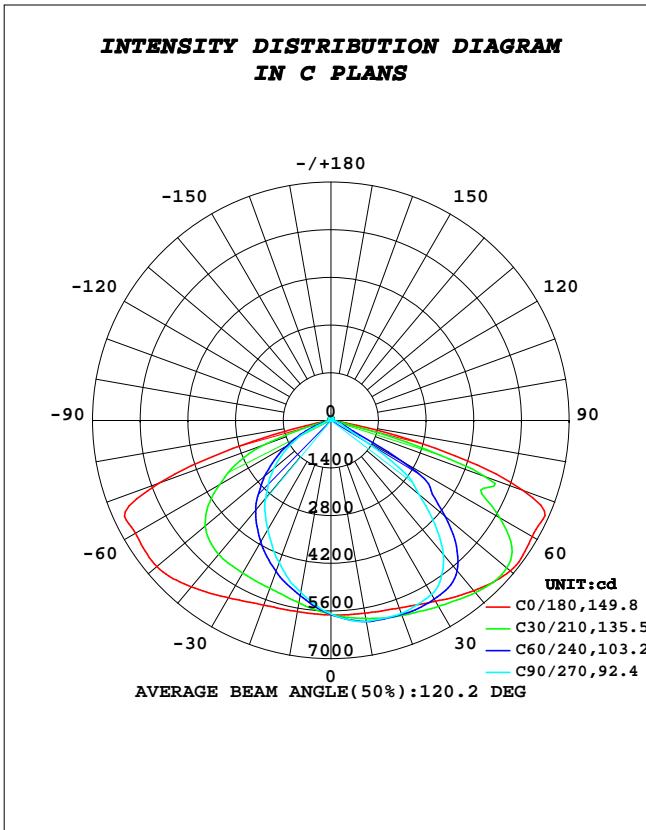


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.40V I:0.6880A P:149.70W PF:0.9870 Freq:50.00Hz		
Lamp Flux:19932.9x1 lm		
Name: NS80-150W	Type: LED	
MFR.: Lumega Group	DIM.: 510*260*80mm	
	SUR.: 200*180mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.15 lm/W			
MODEL		I _{max} (cd)	6910	η street_up(%)	1.3
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	55.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19933	η house_up(%)	1.0
NOMINAL FLUX(lm)	19932.9	MAXIMUM @(C,γ)	0,53.0	η house_down(%)	42.3
LAMPS INSIDE	1	η up(%)	2.4	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220	η down(%)	97.6	SLI	

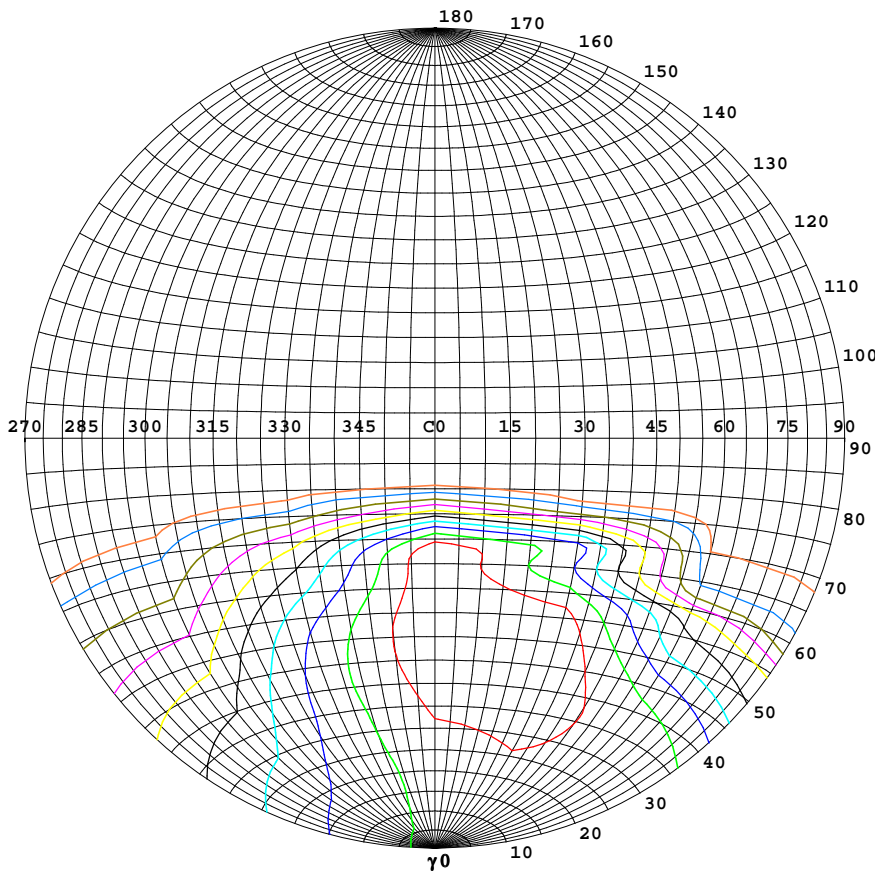


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.40V I:0.6880A P:149.70W PF:0.9870 Freq:50.00Hz		
Lamp Flux:19932.9x1 lm		
Name: NS80-150W	Type: LED	
MFR.: Lumega Group	DIM.: 510*260*80mm	
	SUR.: 200*180mm	



Classification:

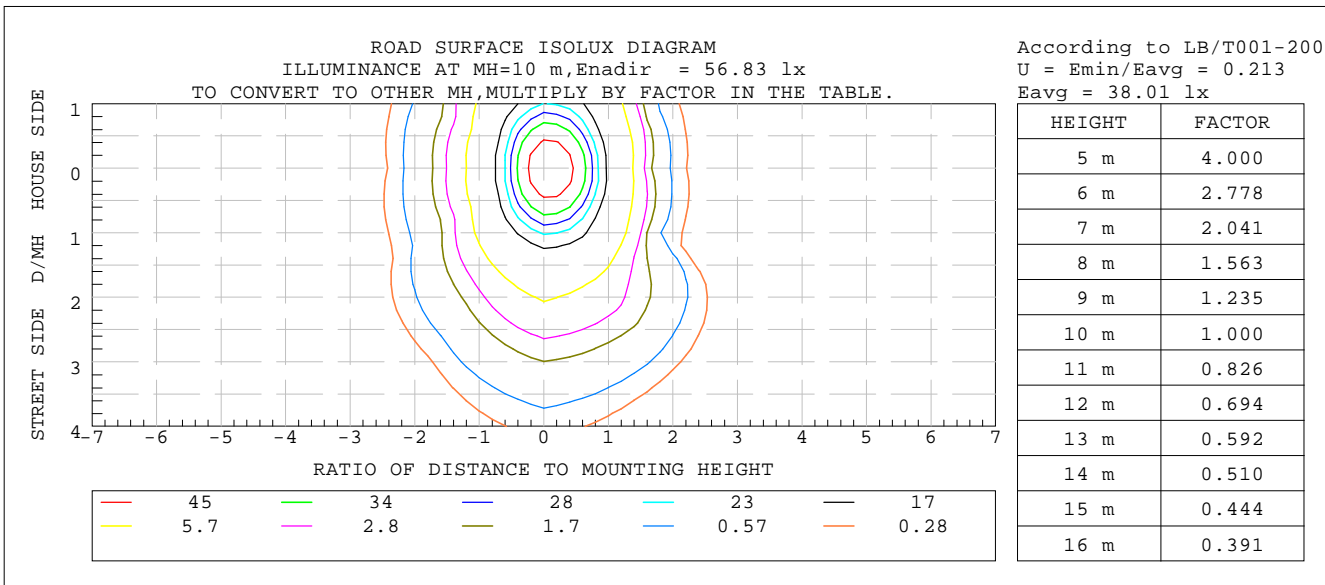
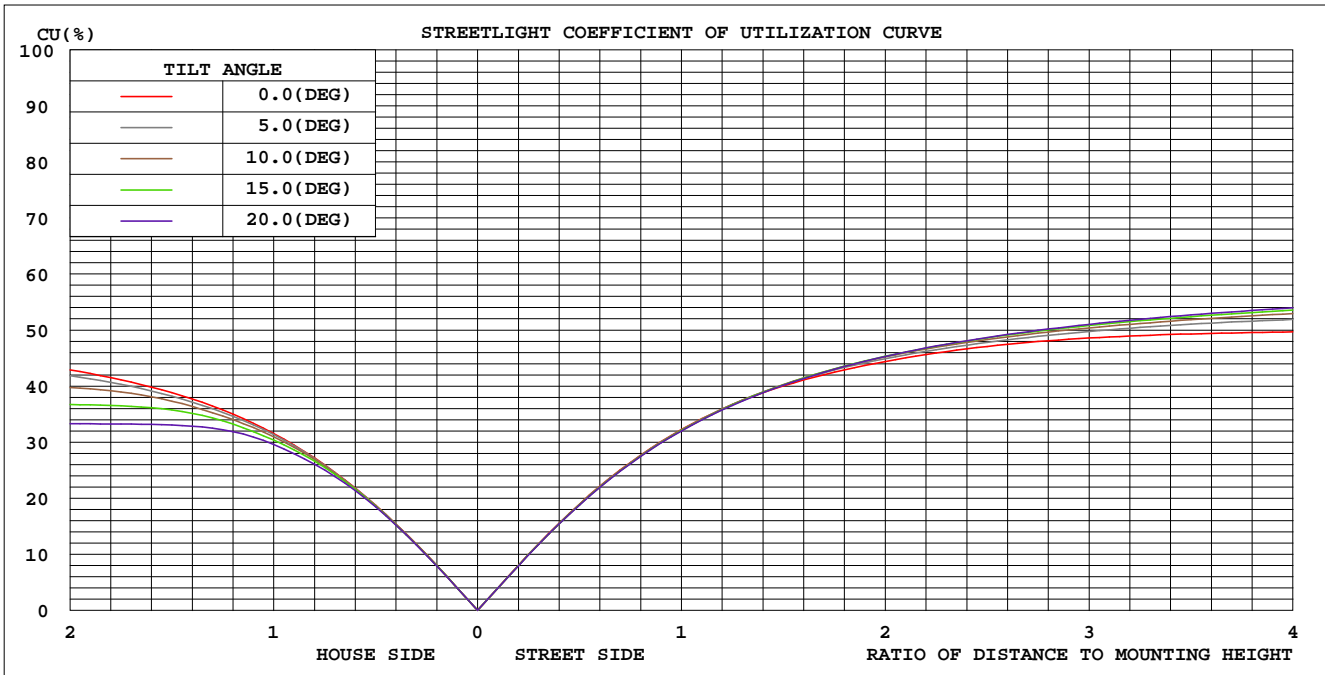
IES:Type IV - Short
 CIE:Broad - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:22.65cd/klm
 Max.At90:3.294cd/klm
 Max.80-90:22.65cd/klm
 NRB 5101:Limited[0.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6910
— 90%	6219
— 80%	5528
— 70%	4837
— 60%	4146
— 50%	3455
— 40%	2764
— 30%	2073
— 20%	1382
— 10%	691
— 5%	345

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.40V I:0.6880A P:149.70W PF:0.9870 Freq:50.00Hz Lamp Flux:19932.9x1 lm		
Name: NS80-150W	Type: LED	
MFR.: Lumega Group	DIM.: 510*260*80mm	
	SUR.: 200*180mm	

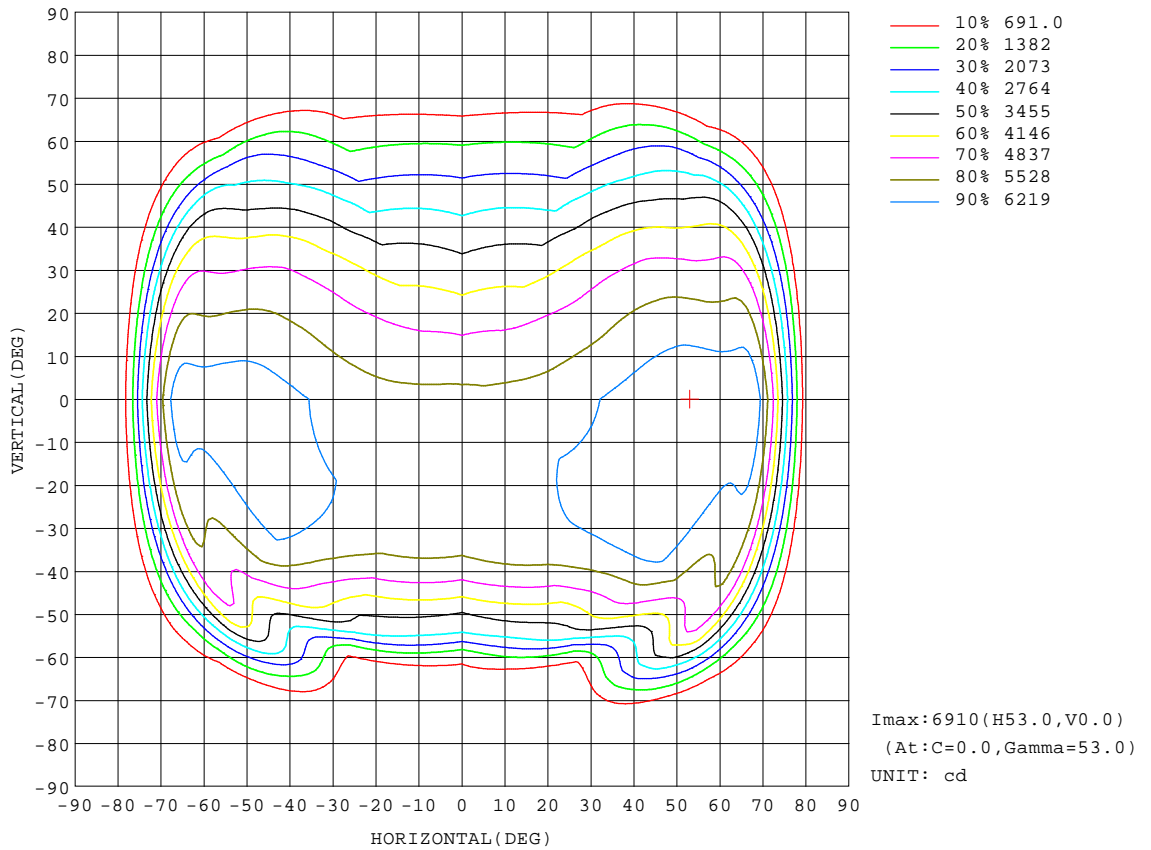
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5749	5951	5992	5895	5701	5331	5123	5334	0- 10	540.3	540.3	2.71,2.71
20	5861	6083	6036	5977	5771	4985	4448	5000	10- 20	1579	2119	10.6,10.6
30	6137	6187	5909	6023	6018	4657	3716	4670	20- 30	2526	4646	23.3,23.3
40	6528	6183	5137	5941	6383	4289	2993	4320	30- 40	3343	7989	40.1,40.1
50	6871	5566	3383	5220	6680	3688	2190	3771	40- 50	3832	11821	59.3,59.3
60	6826	4098	870.1	3377	6632	2645	1290	2807	50- 60	3707	15528	77.9,77.9
70	5994	2567	310.8	1785	5365	1306	306.9	1544	60- 70	2818	18345	92,92
80	451.5	149.8	97.42	114.4	278.3	124.8	39.89	159.6	70- 80	1036	19382	97.2,97.2
90	50.49	30.57	19.20	29.38	65.67	46.93	33.58	46.60	80- 90	78.35	19460	97.6,97.6
100	61.86	39.30	26.14	39.57	76.76	59.31	43.62	56.55	90-100	48.25	19508	97.9,97.9
110	72.79	51.80	37.06	52.03	86.53	72.95	58.48	70.69	100-110	59.36	19568	98.2,98.2
120	82.10	64.69	49.51	62.61	95.77	84.02	73.79	84.23	110-120	68.02	19636	98.5,98.5
130	88.41	76.67	62.50	71.12	101.4	90.70	85.92	95.16	120-130	70.90	19707	98.9,98.9
140	98.64	88.15	75.49	81.51	111.3	99.17	94.67	103.7	130-140	68.55	19775	99.2,99.2
150	109.8	100.3	89.67	93.71	120.8	109.0	103.4	111.5	140-150	62.09	19837	99.5,99.5
160	119.0	111.7	103.8	106.1	126.8	117.1	113.9	118.5	150-160	50.49	19888	99.8,99.8
170	128.4	120.8	115.5	117.0	131.5	122.8	120.7	123.2	160-170	33.43	19921	99.9,99.9
180	132.5	125.0	122.2	123.8	132.9	125.0	121.9	123.8	170-180	11.80	19933	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ISOCANDELA DIAGRAM

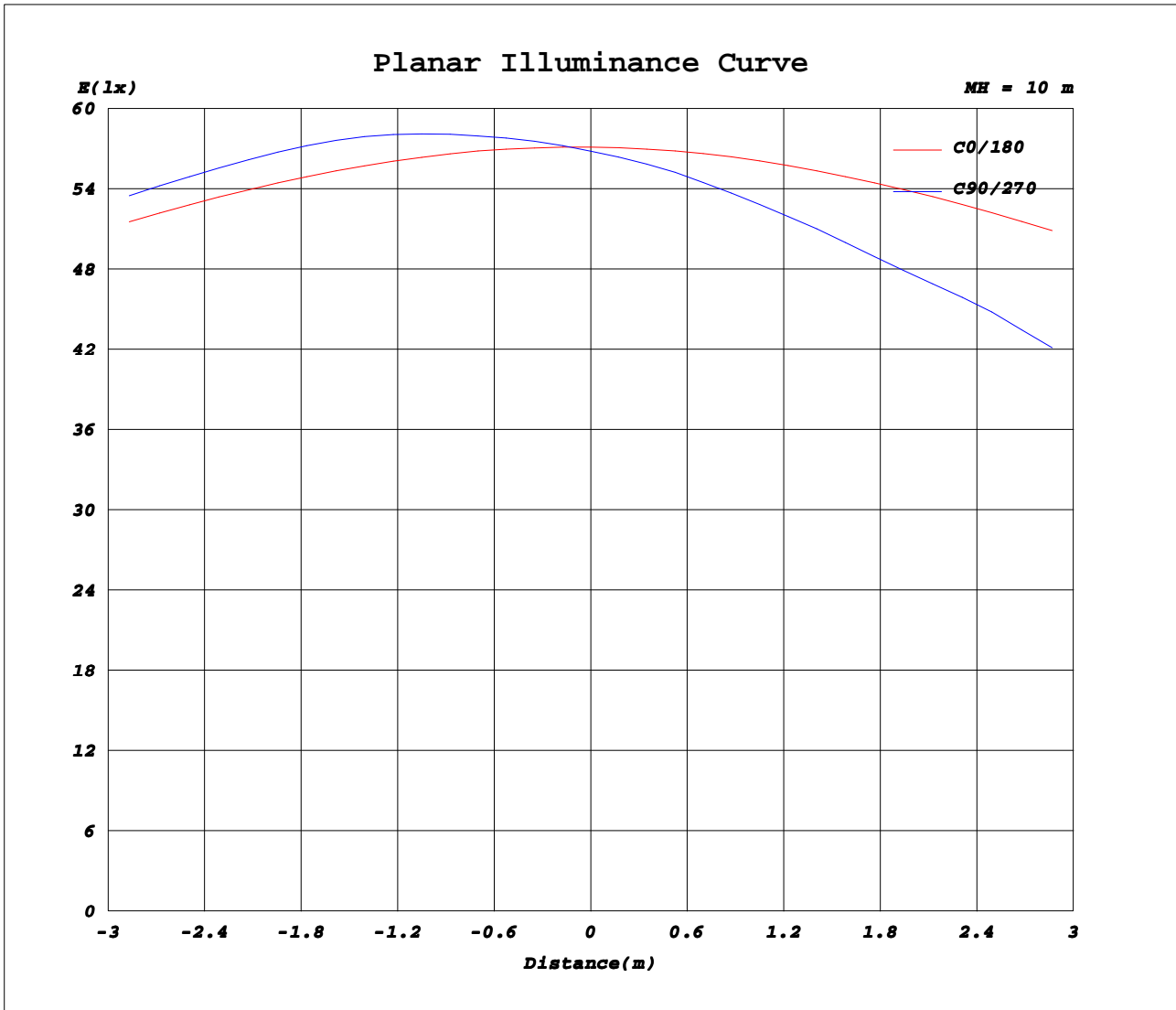
Test:U:220.40V I:0.6880A P:149.70W PF:0.9870 Freq:50.00Hz		
Lamp Flux:19932.9x1 lm		
Name: NS80-150W	Type: LED	
MFR.: Lumega Group	DIM.: 510*260*80mm	
	SUR.: 200*180mm	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

Planar Illuminance Curve



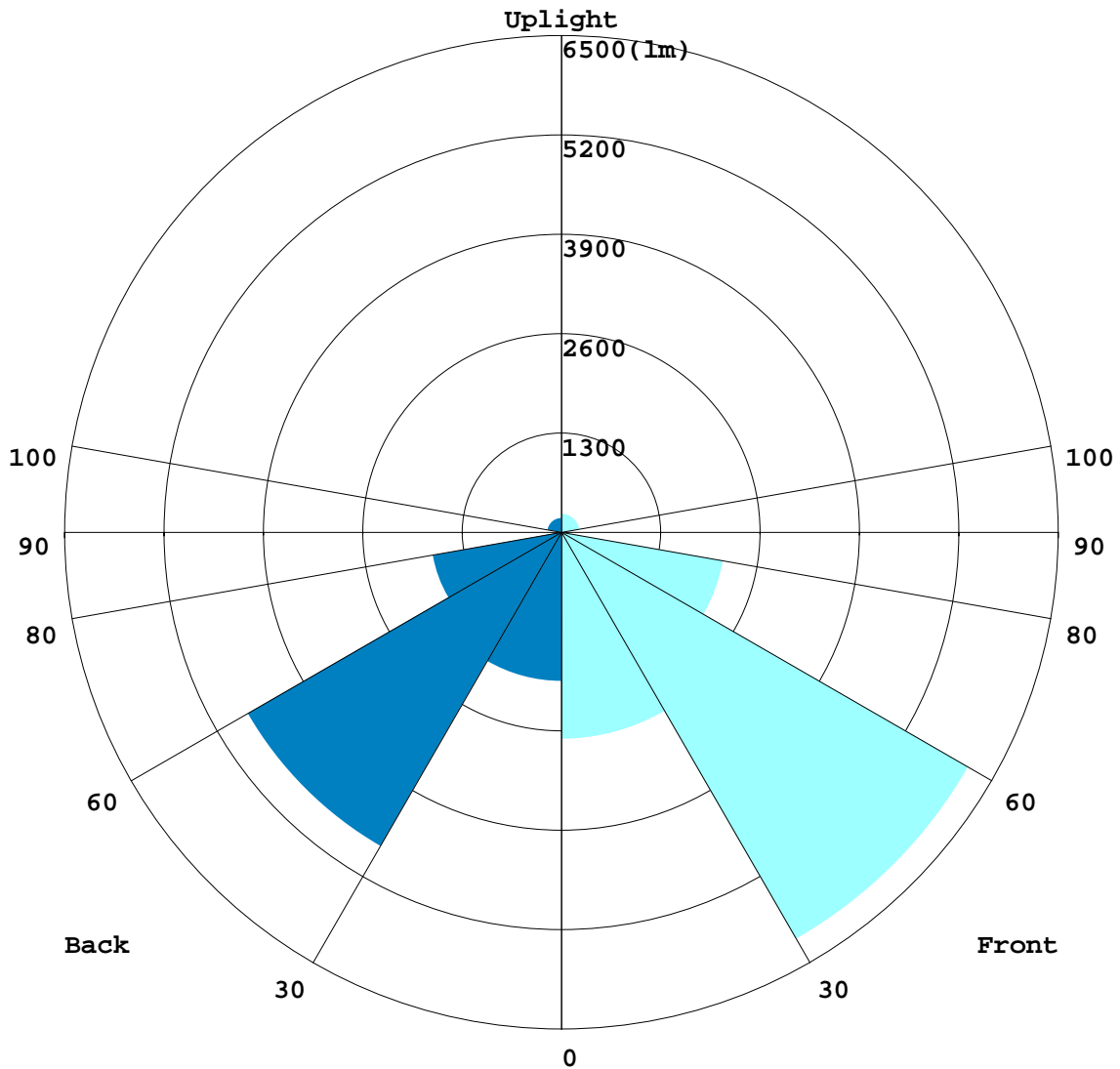
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LCS REPORT

Test:U:220.40V I:0.6880A P:149.70W PF:0.9870 Freq:50.00Hz		
Lamp Flux:19932.9x1 lm		
Name: NS80-150W	Type: LED	
MFR.: Lumega Group	DIM.: 510*260*80mm	
	SUR.: 200*180mm	

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

BUG REPORT

Test:U:220.40V I:0.6880A P:149.70W PF:0.9870 Freq:50.00Hz Lamp Flux:19932.9x1 lm		
Name: NS80-150W	Type: LED	
MFR.: Lumega Group	DIM.: 510*260*80mm	
	SUR.: 200*180mm	

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2700.3	13.5
FM - Front-Medium(30-60)	6142.7	30.8
FH - Front-High(60-80)	2146.3	10.8
FVH - Front-Very High(80-90)	46.133	0.2
Total Forward Light	11303	56.7

BL - Back-Low(0-30)	1945.2	9.8
BM - Back-Medium(30-60)	4739.7	23.8
BH - Back-High(60-80)	1707.5	8.6
BVH - Back-Very High(80-90)	32.221	0.2
Total Back Light	8629.5	43.3

UL - Uplight-Low(90-100)	48.252	0.2
UH - Uplight-High(100-180)	424.64	2.1
Total Up Light	472.9	2.4

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8424.7	204.83	8629.5
Street Side	11035	268.07	11303

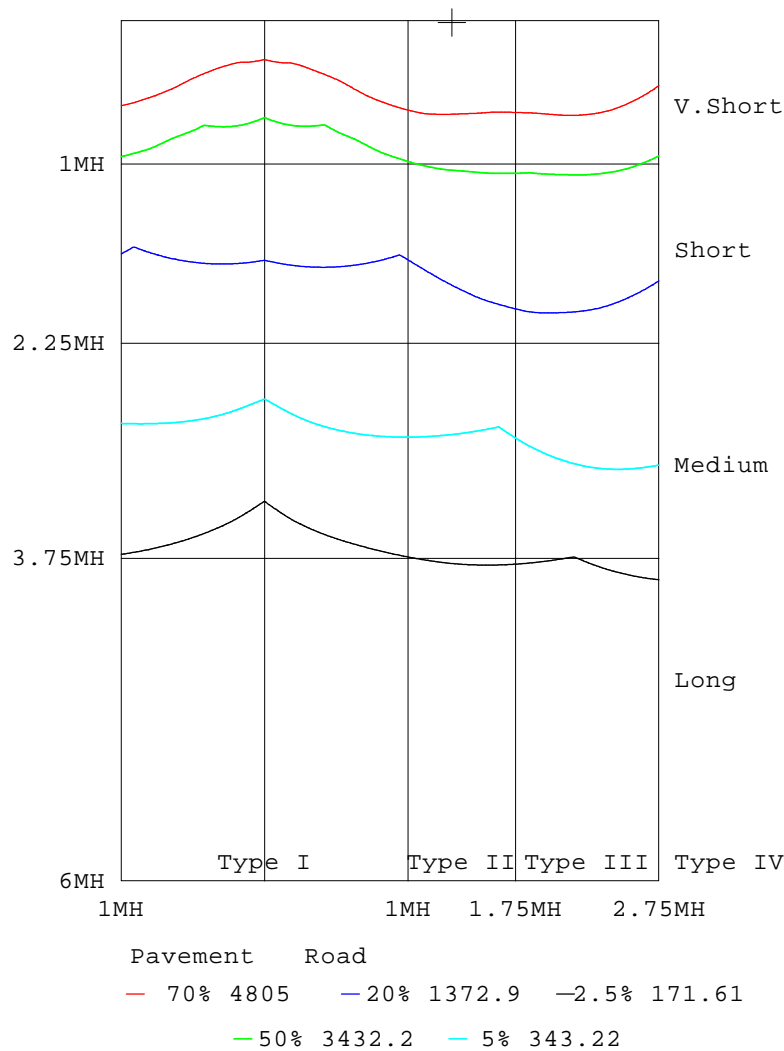
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.40V I:0.6880A P:149.70W PF:0.9870 Freq:50.00Hz		
Lamp Flux:19932.9x1 lm		
Name: NS80-150W	Type: LED	
MFR.: Lumega Group	DIM.: 510*260*80mm	
	SUR.: 200*180mm	

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.40V I:0.6880A P:149.70W PF:0.9870 Freq:50.00Hz Lamp Flux:19932.9x1 lm		
Name: NS80-150W	Type: LED	
MFR.: Lumega Group	DIM.: 510*260*80mm	
	SUR.: 200*180mm	

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	5711	5695	5700	5683	5681	5656	5711	5695	5700	5683	5681	5656							
5	5727	5809	5869	5874	5839	5749	5704	5572	5485	5429	5480	5554							
10	5749	5905	5998	5992	5955	5836	5701	5440	5222	5123	5230	5438							
15	5792	6004	6034	6016	5973	5915	5722	5325	4985	4823	5003	5338							
20	5861	6097	6069	6036	5987	5967	5771	5249	4722	4448	4725	5275							
25	5981	6188	6089	5981	5965	6030	5874	5209	4434	4083	4441	5256							
30	6137	6309	6064	5909	5922	6123	6018	5181	4133	3716	4107	5234							
35	6332	6442	6005	5648	5842	6235	6199	5166	3797	3372	3776	5203							
40	6528	6600	5766	5137	5512	6370	6383	5135	3443	2993	3434	5206							
45	6725	6727	5210	4319	4929	6453	6565	5028	2991	2598	3017	5136							
50	6871	6744	4388	3383	4070	6370	6680	4822	2553	2190	2593	4949							
55	6890	6485	3591	2556	3391	5866	6669	4416	2034	1752	2094	4598							
60	6826	5732	2463	870	1800	4955	6632	3783	1508	1290	1589	4026							
65	6873	4859	621	432	548	4688	6688	3101	1000	804	1084	3402							
70	5994	4778	356	311	330	3239	5365	2098	513	307	592	2497							
75	3185	1659	229	190	206	575	2370	556	240	133	242	922							
80	452	184	115	97.4	97.9	131	278	155	94.3	39.9	97.6	222							
85	89.2	75.3	47.1	37.3	37.4	52.1	90.0	72.9	43.4	30.2	46.9	87.4							
90	50.5	38.6	22.6	19.2	22.4	36.4	65.7	55.0	38.8	33.6	38.3	54.9							
95	54.8	42.3	26.1	22.1	26.3	42.3	72.0	61.4	44.2	37.8	43.0	57.6							
100	61.9	47.5	31.1	26.1	31.3	47.8	76.8	67.8	50.8	43.6	49.3	63.8							
105	67.6	53.7	37.1	31.3	37.2	54.5	81.4	74.5	58.5	50.6	57.1	70.5							
110	72.8	60.2	43.4	37.1	43.3	60.8	86.5	79.9	66.0	58.5	65.0	76.4							
115	77.8	66.6	50.0	43.2	49.5	66.1	91.6	84.8	73.4	66.3	72.6	82.3							
120	82.1	72.7	56.7	49.5	55.5	69.8	95.8	88.6	79.5	73.8	79.8	88.7							
125	85.2	78.2	63.3	56.0	61.1	72.5	98.6	90.7	83.8	80.3	86.0	93.8							
130	88.4	83.4	69.9	62.5	66.6	75.6	101	93.5	87.9	85.9	92.2	98.1							
135	92.8	88.5	76.0	68.9	71.9	80.1	106	97.8	91.3	90.6	97.2	102							
140	98.6	93.9	82.4	75.5	77.6	85.4	111	103	95.4	94.7	101	106							
145	104	99.5	88.8	82.5	83.7	91.2	116	108	100	98.6	105	110							
150	110	105	95.5	89.7	90.4	97.1	121	113	105	103	109	114							
155	114	110	102	97.0	97.3	103	124	116	110	108	112	118							
160	119	115	108	104	104	108	127	119	115	114	116	121							
165	124	120	113	110	110	114	129	122	118	118	120	123							
170	128	124	117	116	115	119	131	125	121	121	122	125							
175	131	127	121	120	120	123	133	127	122	122	123	125							
180	133	128	122	122	122	125	133	127	123	122	123	125							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: