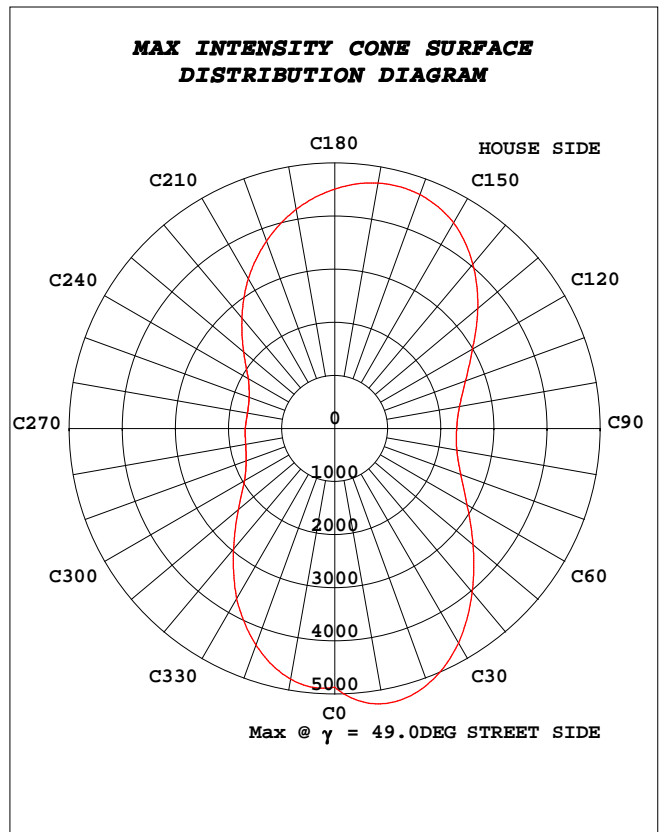
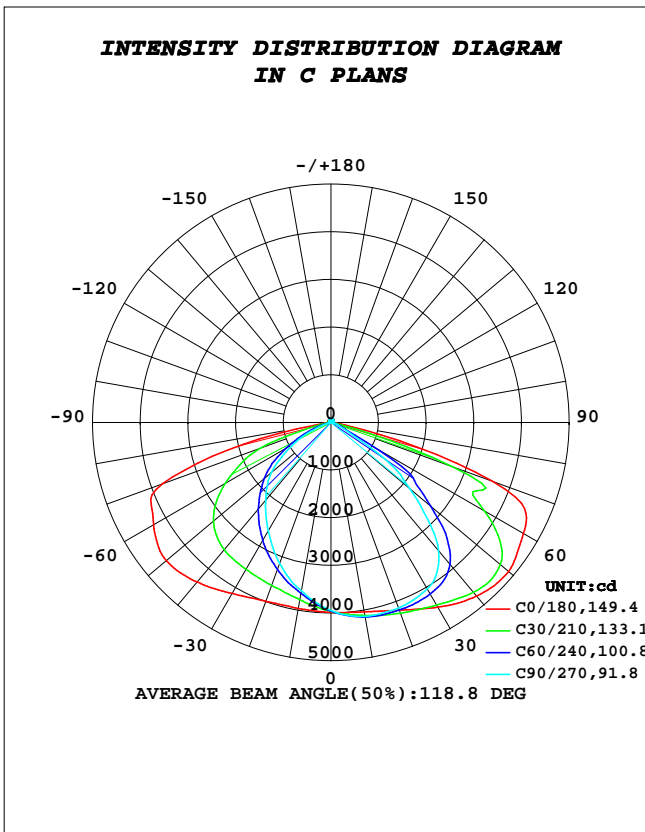


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.50V I:0.4640A P:100.60W PF:0.9830 Freq:50.00Hz		
Lamp Flux:13814.5x1 lm		
Name: NS80-100W	Type: LED	
MFR.: Lumega Group	DIM.: 420*230*75mm	
	SUR.: 160*190mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.32 lm/W			
MODEL		I _{max} (cd)	4868	η street_up(%)	1.4
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	54.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13814	η house_up(%)	1.1
NOMINAL FLUX(lm)	13814.5	MAXIMUM @(C,γ)	0,49.0	η house_down(%)	42.9
LAMPS INSIDE	1	η up(%)	2.5	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220	η down(%)	97.5	SLI	

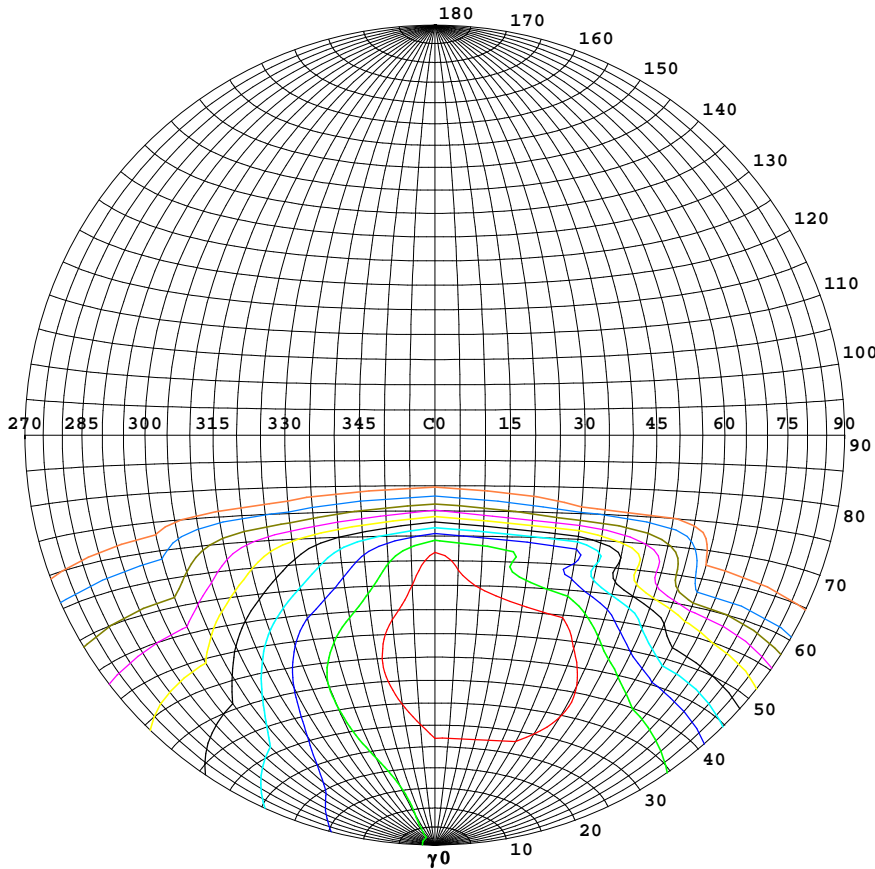


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-25

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:220.50V I:0.4640A P:100.60W PF:0.9830 Freq:50.00Hz		
Lamp Flux:13814.5x1 lm		
Name: NS80-100W	Type: LED	
MFR.: Lumega Group	DIM.: 420*230*75mm	
	SUR.: 160*190mm	



Classification:

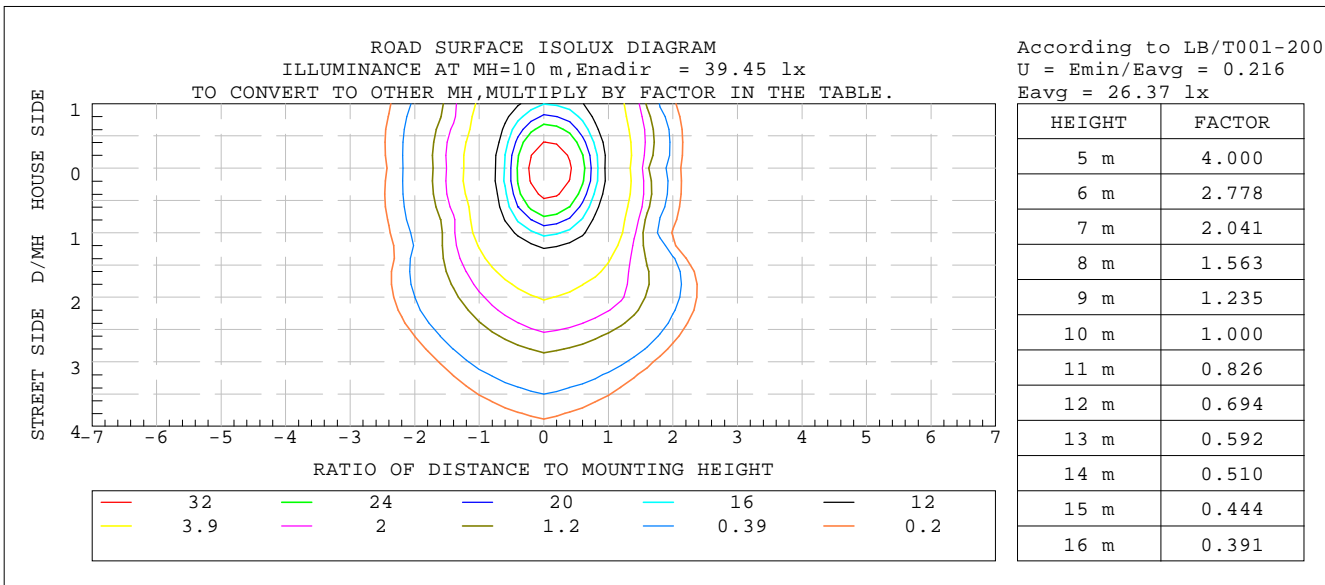
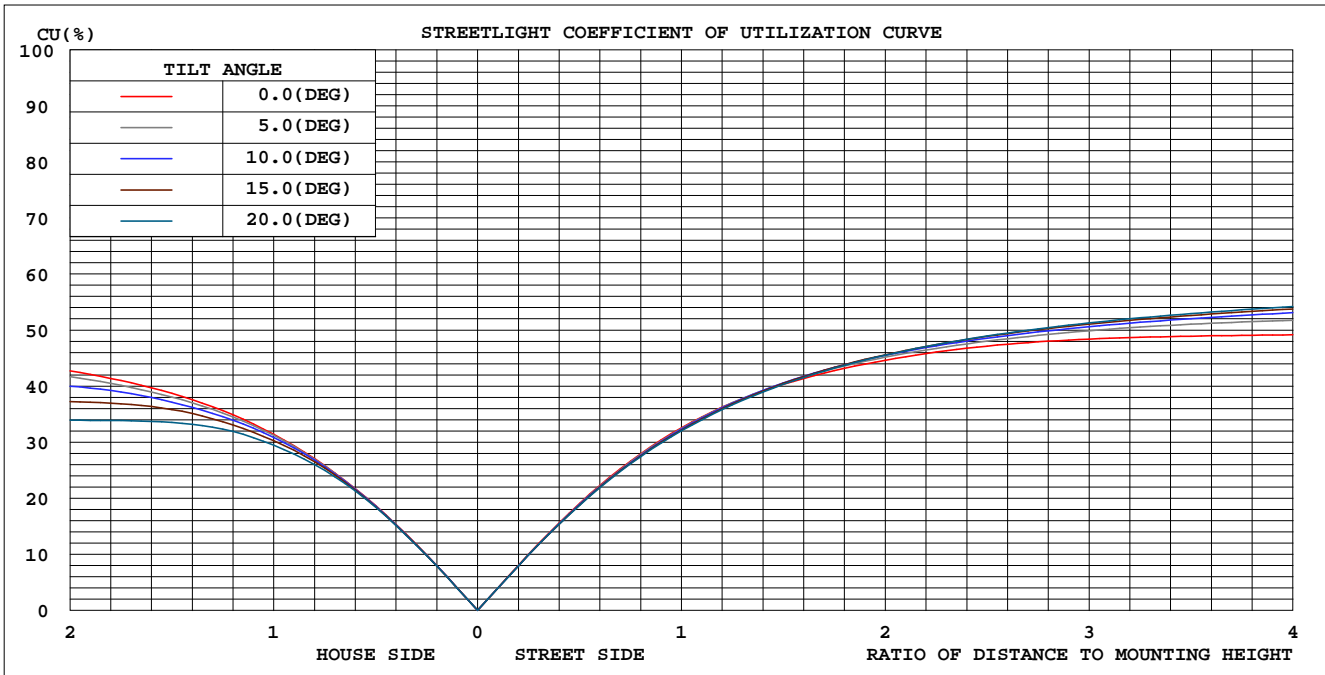
IES:Type IV - Short
 CIE:Broad - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:25.80cd/klm
 Max.At90:3.400cd/klm
 Max.80-90:25.80cd/klm
 NRB 5101:Limited[0.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4868
— 90%	4381
— 80%	3895
— 70%	3408
— 60%	2921
— 50%	2434
— 40%	1947
— 30%	1460
— 20%	974
— 10%	487
— 5%	243

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:220.50V I:0.4640A P:100.60W PF:0.9830 Freq:50.00Hz Lamp Flux:13814.5x1 lm		
Name: NS80-100W	Type: LED	
MFR.: Lumega Group	DIM.: 420*230*75mm	
	SUR.: 160*190mm	

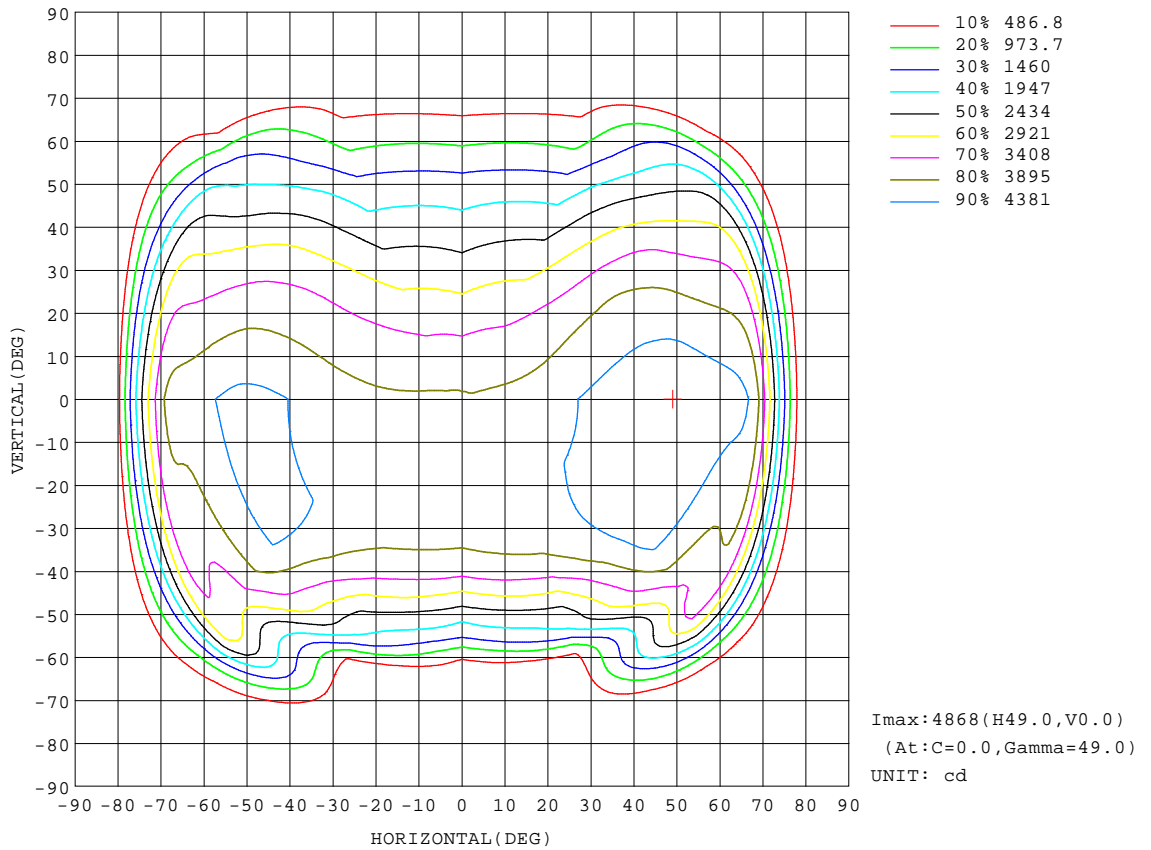
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zone	φ total	%lum,lamp	
10	4037	4129	4131	4056	3960	3709	3587	3742	0- 10	375.4	375.4	2.72,2.72	
20	4191	4223	4144	4101	3992	3462	3150	3587	10- 20	1100	1476	10.7,10.7	
30	4477	4292	4037	4116	4145	3212	2634	3425	20- 30	1766	3242	23.5,23.5	
40	4755	4268	3518	4093	4371	2929	2135	3192	30- 40	2340	5582	40.4,40.4	
50	4867	3688	2151	3659	4511	2523	1632	2779	40- 50	2672	8254	59.7,59.7	
60	4664	2449	539.1	2681	4295	1829	892.2	2040	50- 60	2541	10794	78.1,78.1	
70	3586	1443	153.6	1705	3759	976.8	221.0	1128	60- 70	1904	12698	91.9,91.9	
80	215.6	75.30	46.41	105.3	356.5	103.5	27.44	95.87	70- 80	720.2	13419	97.1,97.1	
90	34.14	21.81	17.45	22.77	46.98	33.97	27.80	35.25	80- 90	54.05	13473	97.5,97.5	
100	44.09	28.54	22.49	29.79	53.31	41.33	33.75	42.97	90-100	35.74	13508	97.8,97.8	
110	52.14	37.32	30.11	38.50	60.64	50.59	43.77	51.69	100-110	43.17	13552	98.1,98.1	
120	59.06	46.47	38.93	46.41	67.86	59.17	54.35	61.17	110-120	49.27	13601	98.5,98.5	
130	64.15	54.90	47.80	52.37	72.14	64.32	63.18	68.73	120-130	51.38	13652	98.8,98.8	
140	71.04	62.98	56.72	59.19	78.26	69.95	69.04	74.51	130-140	49.44	13702	99.2,99.2	
150	78.30	71.38	66.33	67.41	84.98	76.72	74.21	79.55	140-150	44.45	13746	99.5,99.5	
160	84.80	79.57	76.29	75.86	89.90	82.97	81.69	84.27	150-160	36.02	13782	99.8,99.8	
170	91.55	86.30	84.28	84.04	93.66	87.47	87.39	87.73	160-170	23.89	13806	99.9,99.9	
180	94.46	88.50	86.24	87.60	95.00	88.44	86.00	87.60	170-180	8.425	13814	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

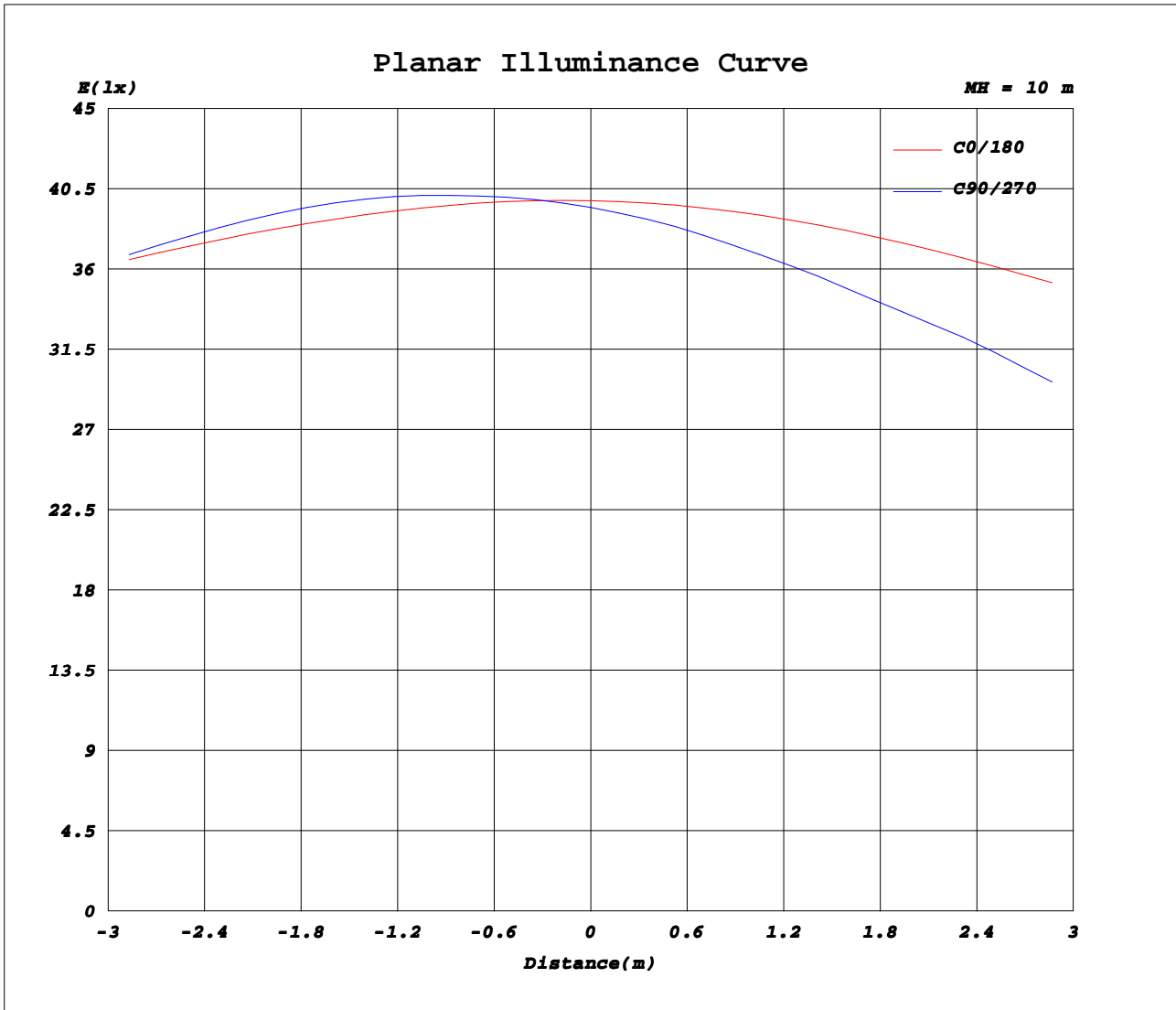
Test:U:220.50V I:0.4640A P:100.60W PF:0.9830 Freq:50.00Hz		
Lamp Flux:13814.5x1 lm		
Name: NS80-100W	Type: LED	
MFR.: Lumega Group	DIM.: 420*230*75mm	
	SUR.: 160*190mm	



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



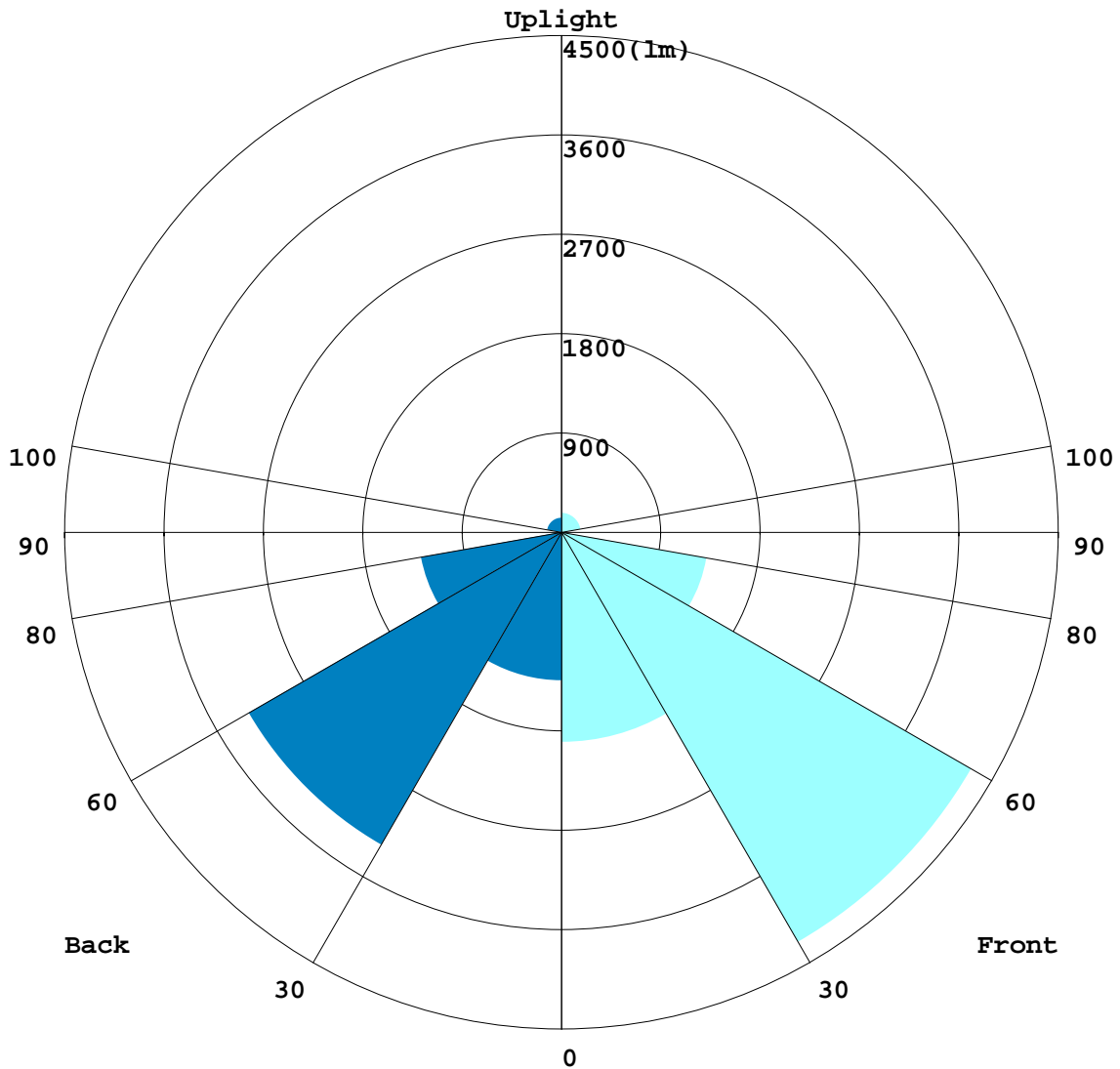
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-25

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:220.50V I:0.4640A P:100.60W PF:0.9830 Freq:50.00Hz		
Lamp Flux:13814.5x1 lm		
Name: NS80-100W	Type: LED	
MFR.: Lumega Group	DIM.: 420*230*75mm	
	SUR.: 160*190mm	

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:220.50V I:0.4640A P:100.60W PF:0.9830 Freq:50.00Hz Lamp Flux:13814.5x1 lm		
Name: NS80-100W	Type: LED	
MFR.: Lumega Group	DIM.: 420*230*75mm	
	SUR.: 160*190mm	

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1899.8	13.8
FM - Front-Medium(30-60)	4284.5	31.0
FH - Front-High(60-80)	1334.7	9.7
FVH - Front-Very High(80-90)	26.626	0.2
Total Forward Light	7741.3	56.0

BL - Back-Low(0-30)	1342.2	9.7
BM - Back-Medium(30-60)	3268	23.7
BH - Back-High(60-80)	1289.5	9.3
BVH - Back-Very High(80-90)	27.424	0.2
Total Back Light	6073.2	44.0

UL - Uplight-Low(90-100)	35.737	0.3
UH - Uplight-High(100-180)	306.06	2.2
Total Up Light	341.8	2.5

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5927.1	146.09	6073.2
Street Side	7545.6	195.71	7741.3

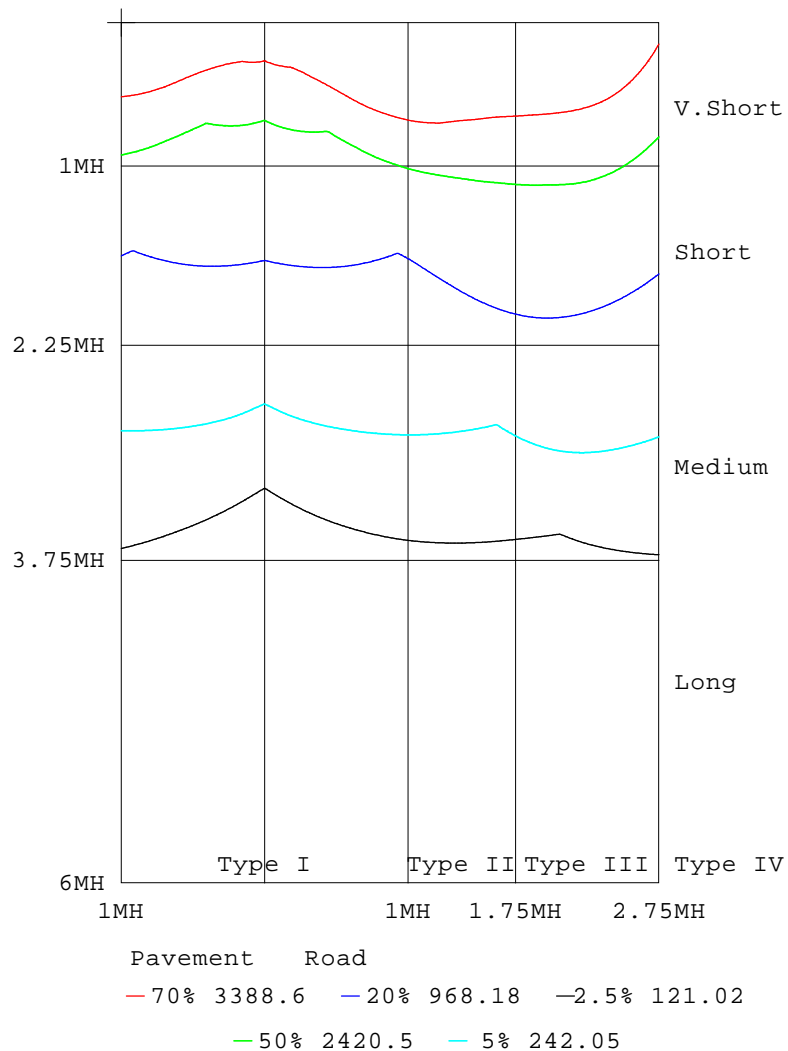
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-25

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:220.50V I:0.4640A P:100.60W PF:0.9830 Freq:50.00Hz		
Lamp Flux:13814.5x1 lm		
Name: NS80-100W	Type: LED	
MFR.: Lumega Group	DIM.: 420*230*75mm	
	SUR.: 160*190mm	

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:220.50V I:0.4640A P:100.60W PF:0.9830 Freq:50.00Hz Lamp Flux:13814.5x1 lm		
Name: NS80-100W	Type: LED	
MFR.: Lumega Group	DIM.: 420*230*75mm	
	SUR.: 160*190mm	

Table--1

UNIT: cd

C(DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	3984	3963	3959	3945	3939	3921	3984	3963	3959	3945	3939	3921							
5	4003	4042	4065	4060	4031	3972	3970	3873	3815	3781	3817	3865							
10	4037	4112	4146	4131	4099	4014	3960	3778	3641	3587	3671	3814							
15	4097	4187	4177	4145	4112	4059	3963	3697	3476	3390	3539	3786							
20	4191	4258	4189	4144	4108	4093	3992	3639	3285	3150	3380	3794							
25	4324	4335	4189	4105	4088	4127	4054	3597	3082	2892	3198	3830							
30	4477	4425	4159	4037	4047	4185	4145	3562	2861	2634	2982	3868							
35	4631	4536	4085	3871	3991	4262	4260	3532	2622	2386	2742	3891							
40	4755	4651	3884	3518	3823	4363	4371	3486	2372	2135	2487	3896							
45	4841	4708	3453	2870	3469	4455	4465	3386	2100	1898	2206	3828							
50	4867	4639	2737	2151	2846	4471	4511	3220	1826	1632	1900	3657							
55	4773	4330	2139	1524	2243	4289	4445	2947	1508	1261	1548	3355							
60	4664	3717	1182	539	1580	3782	4295	2560	1098	892	1120	2960							
65	4517	3391	327	234	374	3096	4157	2116	716	569	717	2536							
70	3586	2699	187	154	207	3203	3759	1573	381	221	392	1864							
75	1499	536	116	88.1	126	1168	2243	488	172	80.5	162	531							
80	216	97.4	53.2	46.4	59.9	151	356	140	67.0	27.4	66.0	126							
85	46.8	36.2	23.6	21.2	26.3	47.8	77.4	56.6	33.5	26.1	36.5	54.9							
90	34.1	26.1	17.5	17.4	19.0	26.5	47.0	38.7	29.2	27.8	31.5	39.0							
95	39.4	29.8	20.2	19.5	21.7	30.0	49.4	42.0	32.3	30.1	34.8	43.0							
100	44.1	33.3	23.8	22.5	25.3	34.3	53.3	46.4	36.2	33.8	39.0	46.9							
105	48.2	37.7	27.9	26.1	29.5	38.7	56.7	51.3	40.8	38.4	43.6	51.0							
110	52.1	42.3	32.3	30.1	33.8	43.2	60.6	55.2	46.0	43.8	48.7	54.7							
115	55.9	47.0	37.0	34.5	38.3	47.1	64.6	59.0	51.4	49.2	54.0	59.3							
120	59.1	51.3	41.6	38.9	42.7	50.2	67.9	62.1	56.3	54.4	58.9	63.4							
125	61.5	55.3	46.2	43.4	46.6	52.3	70.2	64.0	59.7	59.0	63.4	66.8							
130	64.2	59.0	50.8	47.8	50.3	54.4	72.1	65.9	62.8	63.2	67.8	69.7							
135	67.2	62.8	55.0	52.2	53.7	57.4	74.6	68.6	65.3	66.4	71.0	72.6							
140	71.0	66.6	59.4	56.7	57.5	60.9	78.3	71.9	68.0	69.0	73.5	75.5							
145	74.8	70.5	63.8	61.4	61.6	64.8	81.8	75.5	71.1	71.4	75.8	78.3							
150	78.3	74.3	68.4	66.3	66.0	68.8	85.0	78.9	74.5	74.2	78.2	80.9							
155	81.5	78.0	73.1	71.6	70.6	72.7	87.7	81.8	78.3	77.8	80.8	83.2							
160	84.8	81.7	77.4	76.3	75.1	76.6	89.9	84.2	81.8	81.7	83.5	85.1							
165	88.4	85.5	81.1	80.7	79.6	80.8	91.9	86.4	84.5	85.2	85.9	86.7							
170	91.5	88.3	84.3	84.3	83.5	84.6	93.7	88.4	86.5	87.4	87.5	88.0							
175	93.8	90.1	86.1	86.2	85.9	87.4	94.9	89.8	87.0	87.2	87.5	88.7							
180	94.5	90.6	86.4	86.2	86.5	88.7	95.0	90.2	86.7	86.0	86.7	88.5							

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: