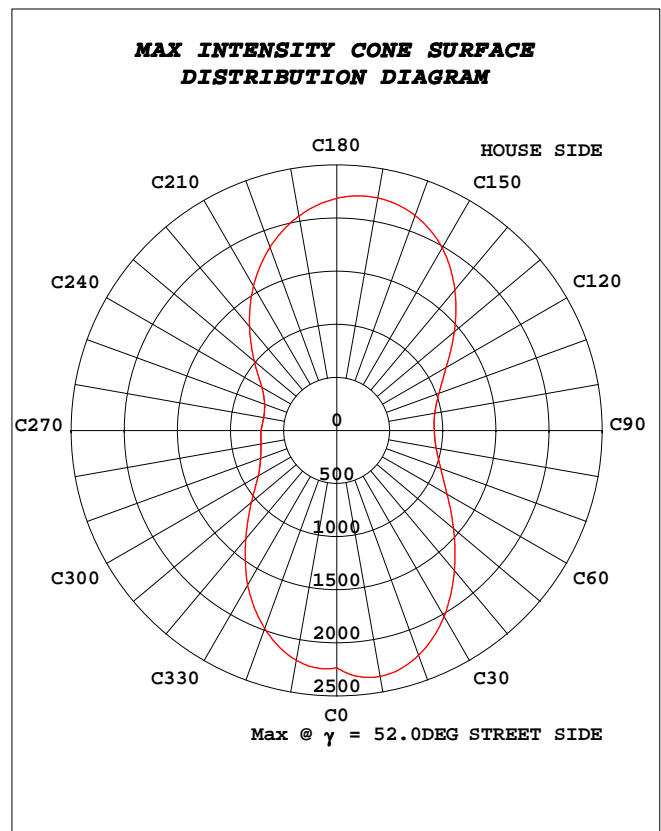
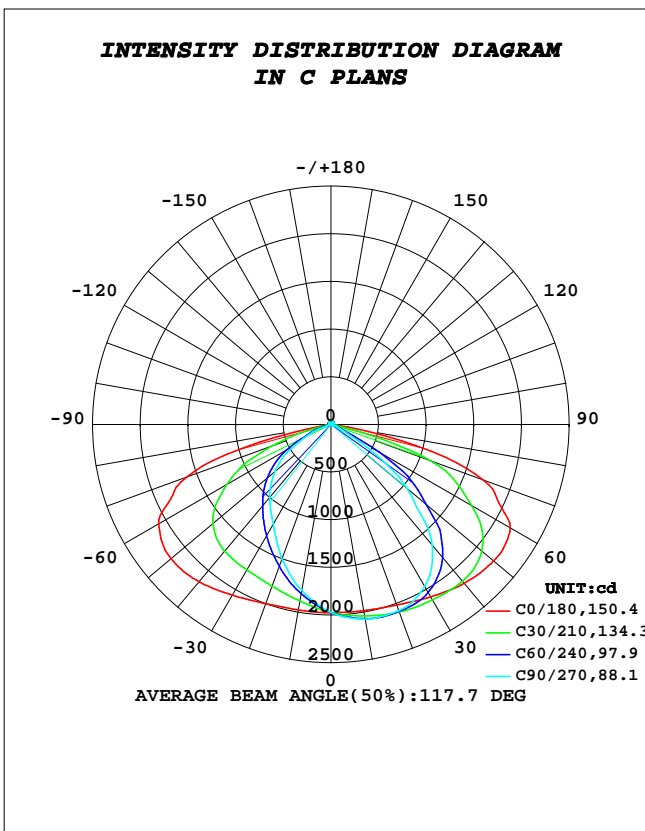


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.60V I:0.2340A P:50.500W PF:0.9750 Freq:50.00Hz		
Lamp Flux:6544.3x1 lm		
Name: NS80-50W	Type: LED	
MFR.: Lumega Group	DIM.: 370*230*75mm	
	SUR.: 120*170mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.59 lm/W			
MODEL		I _{max} (cd)	2232	η street_up(%)	1.5
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	54.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	6544	η house_up(%)	1.1
NOMINAL FLUX(lm)	6544.3	MAXIMUM @(C,γ)	0,52.0	η house_down(%)	42.7
LAMPS INSIDE	1	η up(%)	2.5	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220	η down(%)	97.5	SLI	

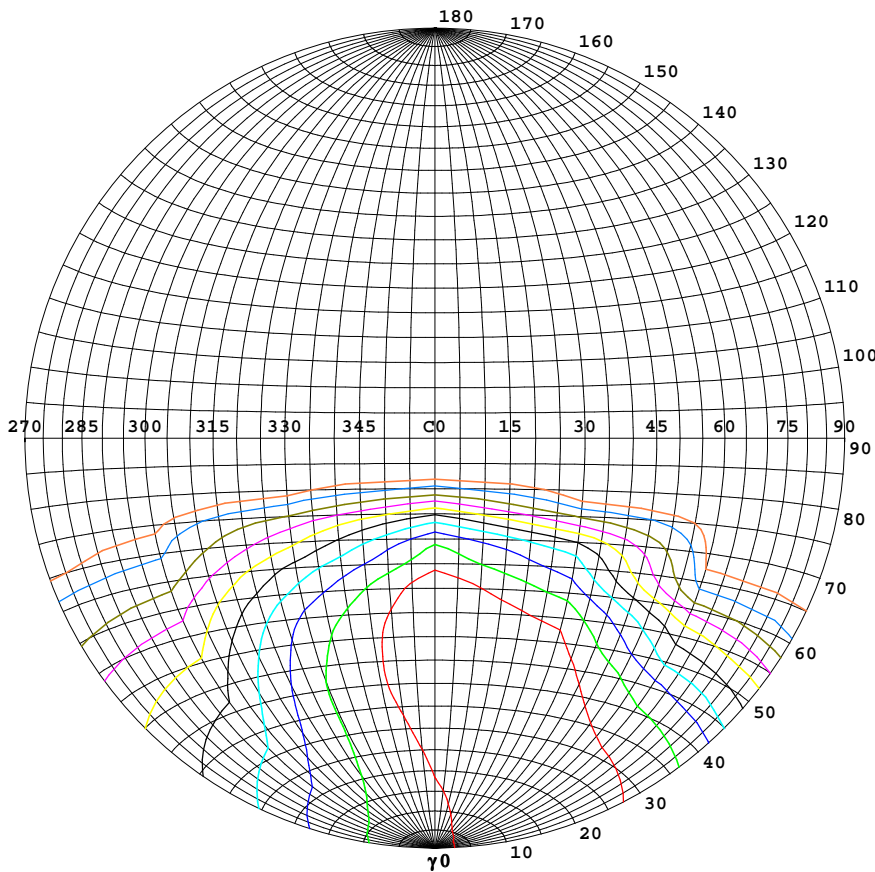


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-25

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:220.60V I:0.2340A P:50.500W PF:0.9750 Freq:50.00Hz		
Lamp Flux:6544.3x1 lm		
Name: NS80-50W	Type: LED	
MFR.: Lumega Group	DIM.: 370*230*75mm	
	SUR.: 120*170mm	



Classification:

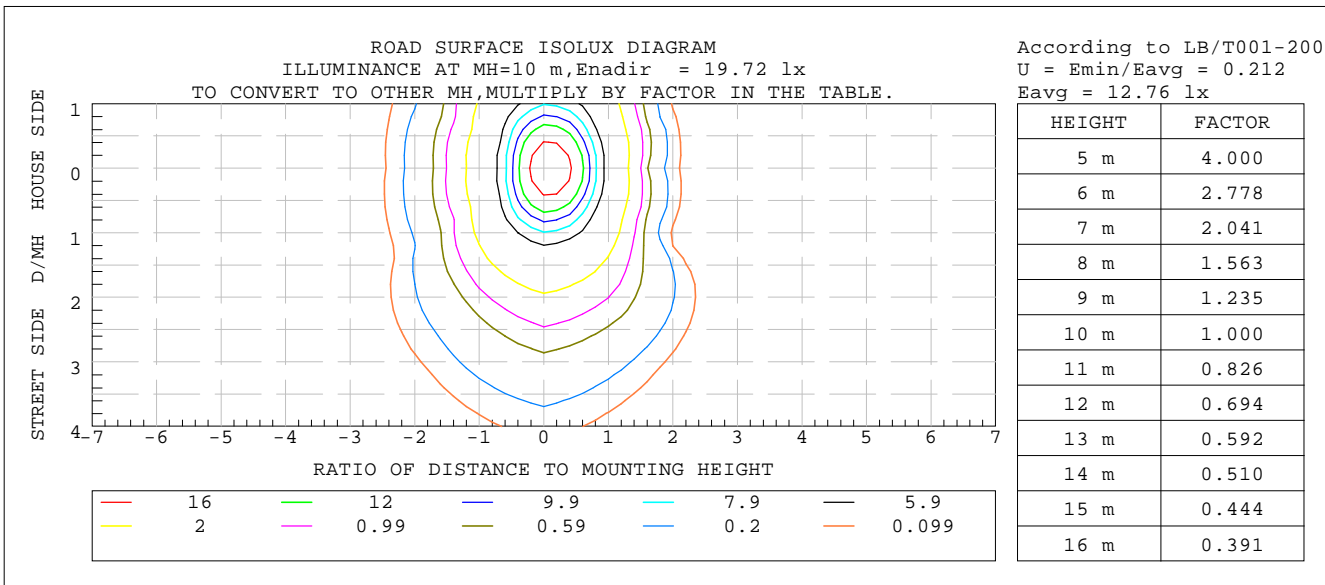
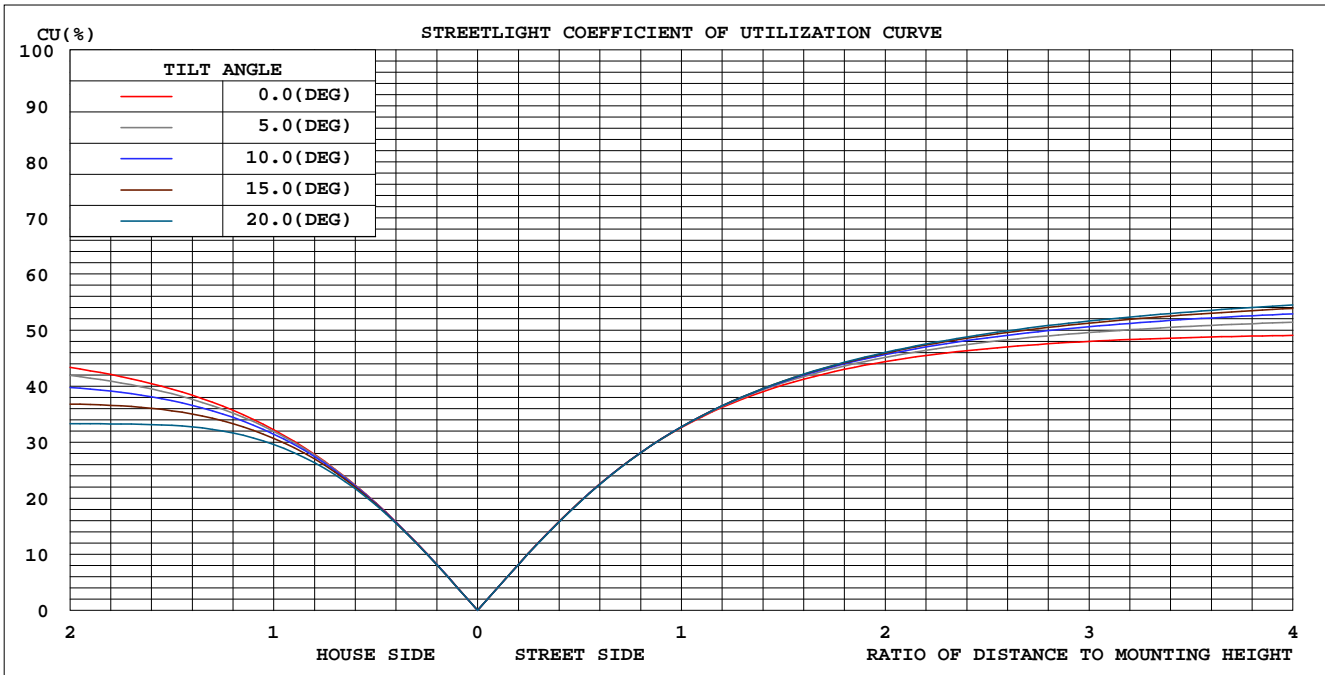
IES:Type IV - Short
 CIE:Broad - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:40.39cd/klm
 Max.At90:3.253cd/klm
 Max.80-90:40.39cd/klm
 NRB 5101:Limited[0.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2232
— 90%	2009
— 80%	1785
— 70%	1562
— 60%	1339
— 50%	1116
— 40%	893
— 30%	670
— 20%	446
— 10%	223
— 5%	112

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

gamma Range: 0 - 180DEG
gamma 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:220.60V I:0.2340A P:50.500W PF:0.9750 Freq:50.00Hz Lamp Flux:6544.3x1 lm		
Name: NS80-50W	Type: LED	
MFR.: Lumega Group	DIM.: 370*230*75mm	
	SUR.: 120*170mm	

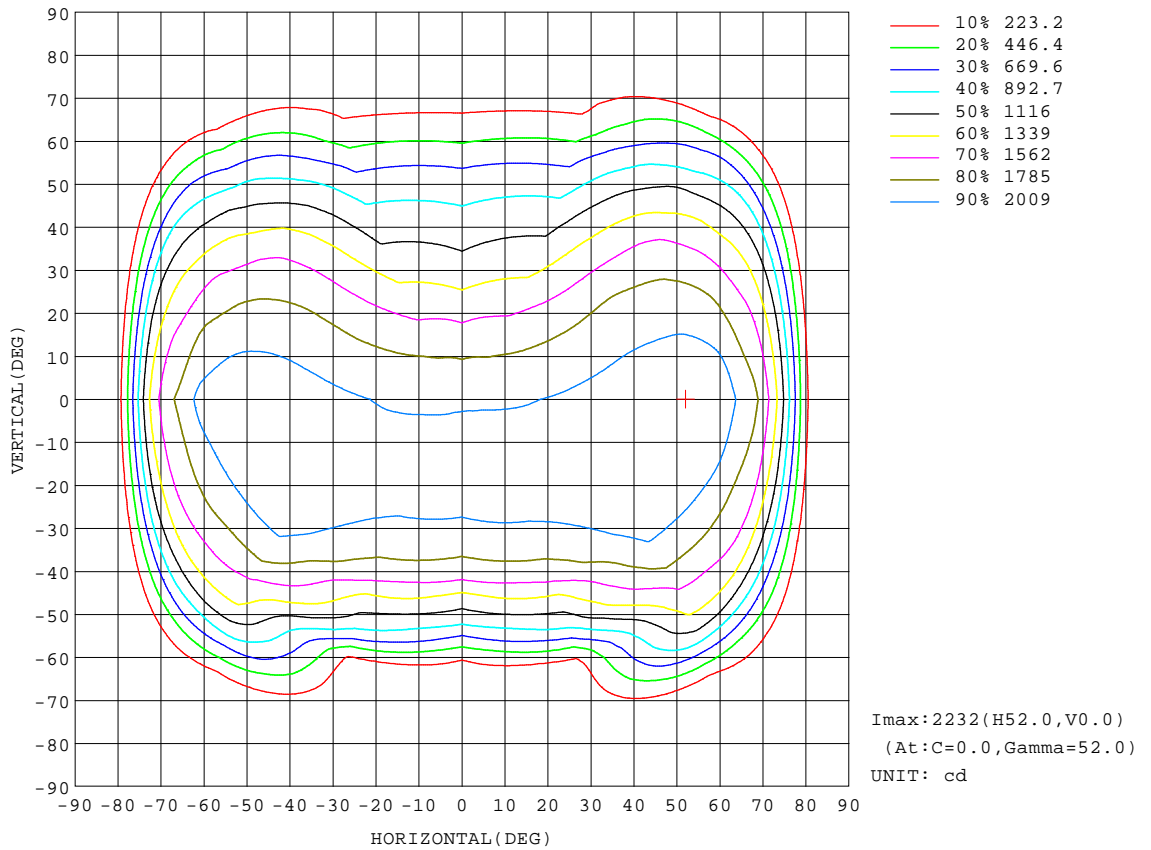
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1983	2054	2074	2041	1976	1842	1768	1843	0- 10	186.8	186.8	2.86,2.86
20	2016	2092	2079	2072	2002	1696	1502	1716	10- 20	544.3	731.2	11.2,11.2
30	2089	2081	1965	2067	2069	1557	1214	1589	20- 30	861.5	1593	24.3,24.3
40	2176	1985	1651	1979	2154	1426	1001	1475	30- 40	1118	2710	41.4,41.4
50	2228	1684	1046	1668	2190	1246	765.5	1313	40- 50	1259	3969	60.7,60.7
60	2174	1146	250.3	1098	2086	900.4	427.0	1009	50- 60	1190	5160	78.8,78.8
70	1698	595.6	68.51	524.7	1606	414.2	93.86	521.1	60- 70	849.9	6009	91.8,91.8
80	264.3	40.61	21.09	36.69	154.9	38.57	13.55	51.65	70- 80	342.0	6351	97.1,97.1
90	15.56	10.91	9.519	11.07	21.29	16.47	14.01	16.73	80- 90	27.16	6379	97.5,97.5
100	20.49	14.11	11.75	14.55	25.38	19.91	16.90	20.27	90-100	17.31	6396	97.7,97.7
110	24.33	18.35	15.39	18.64	28.65	24.30	21.47	24.40	100-110	20.79	6417	98,98
120	27.93	22.84	19.62	22.22	31.95	28.32	26.68	29.16	110-120	23.70	6440	98.4,98.4
130	30.58	26.94	23.85	25.28	34.29	31.21	31.18	33.15	120-130	24.83	6465	98.8,98.8
140	33.92	30.90	28.18	28.75	37.42	34.12	34.25	36.16	130-140	24.04	6489	99.2,99.2
150	37.76	35.09	32.98	32.89	40.67	37.39	36.83	38.66	140-150	21.67	6511	99.5,99.5
160	41.23	39.16	37.97	37.11	43.05	40.39	40.36	41.07	150-160	17.59	6529	99.8,99.8
170	44.42	42.41	41.63	41.01	44.96	42.50	42.65	42.67	160-170	11.67	6540	99.9,99.9
180	45.79	43.52	42.93	43.01	45.88	43.51	42.87	43.02	170-180	4.113	6544	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

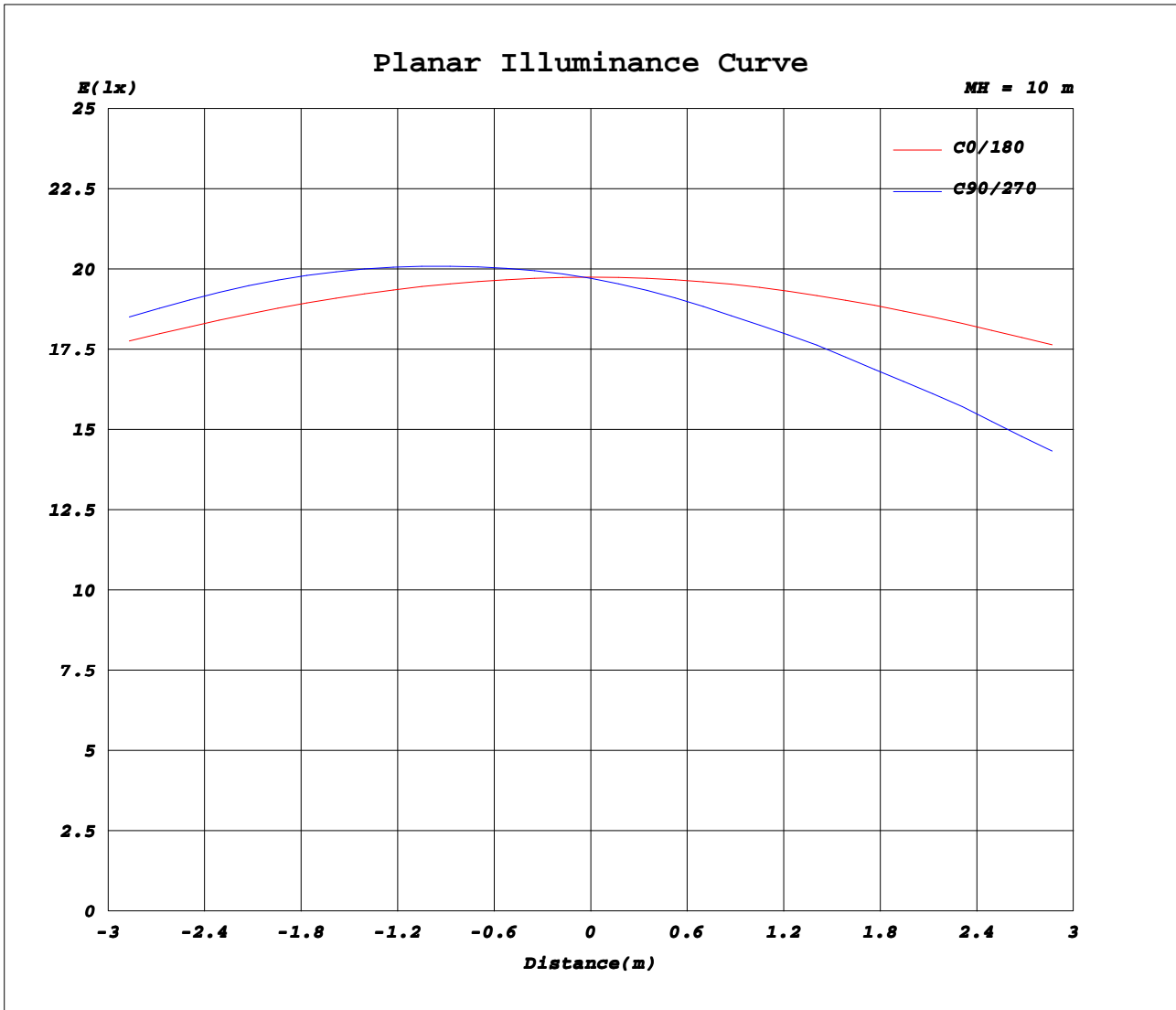
Test:U:220.60V I:0.2340A P:50.500W PF:0.9750 Freq:50.00Hz		
Lamp Flux:6544.3x1 lm		
Name: NS80-50W	Type: LED	
MFR.: Lumega Group	DIM.: 370*230*75mm	
	SUR.: 120*170mm	



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



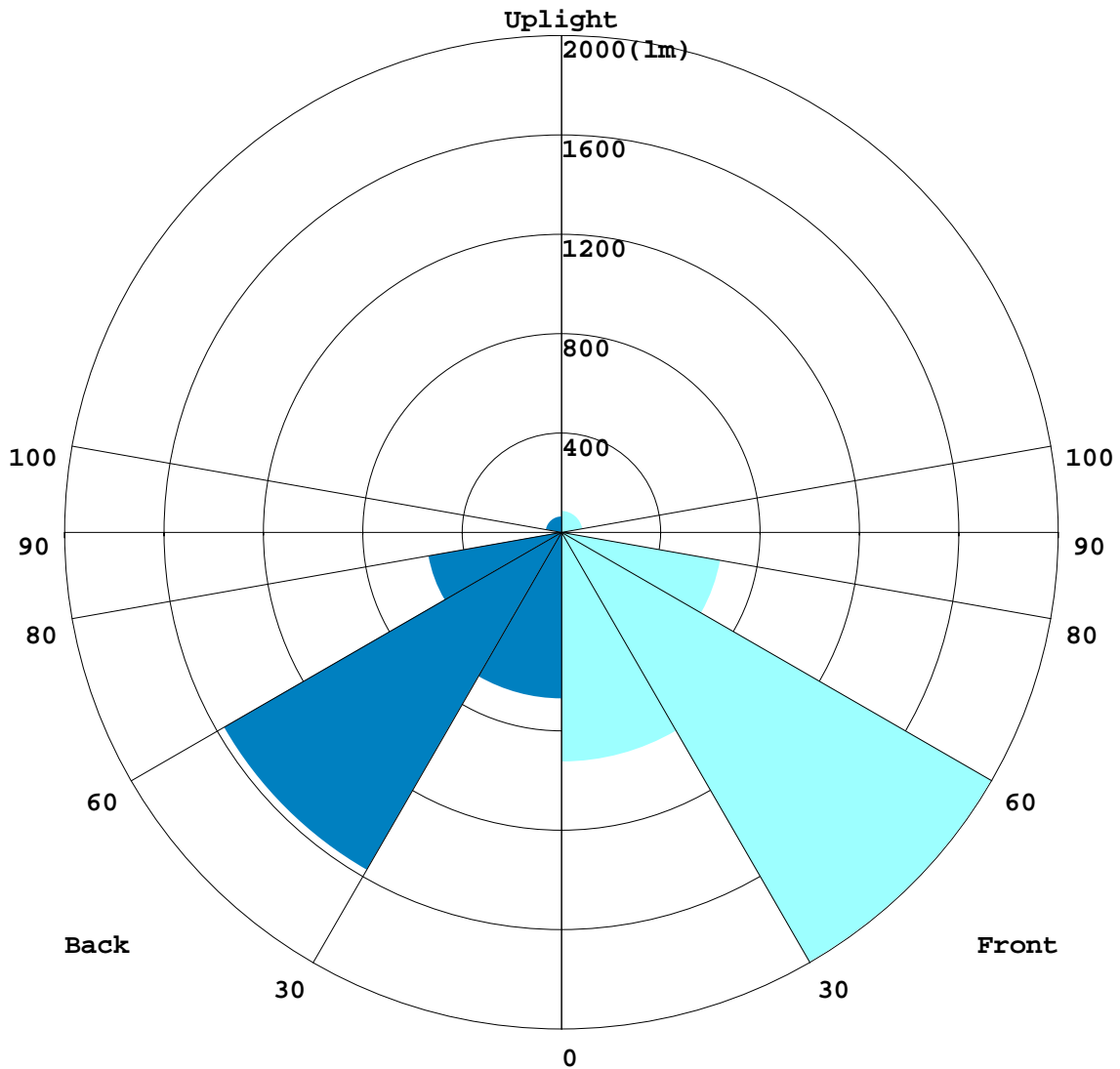
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-04-25

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:220.60V I:0.2340A P:50.500W PF:0.9750 Freq:50.00Hz		
Lamp Flux:6544.3x1 lm		
Name: NS80-50W	Type: LED	
MFR.: Lumega Group	DIM.: 370*230*75mm	
	SUR.: 120*170mm	

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:220.60V I:0.2340A P:50.500W PF:0.9750 Freq:50.00Hz Lamp Flux:6544.3x1 lm		
Name: NS80-50W	Type: LED	
MFR.: Lumega Group	DIM.: 370*230*75mm	
	SUR.: 120*170mm	

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	923.73	14.1
FM - Front-Medium(30-60)	1997.7	30.5
FH - Front-High(60-80)	649.06	9.9
FVH - Front-Very High(80-90)	16.229	0.2
Total Forward Light	3682	56.3

BL - Back-Low(0-30)	668.95	10.2
BM - Back-Medium(30-60)	1569.2	24.0
BH - Back-High(60-80)	542.77	8.3
BVH - Back-Very High(80-90)	10.935	0.2
Total Back Light	2862.3	43.7

UL - Uplight-Low(90-100)	17.306	0.3
UH - Uplight-High(100-180)	148.41	2.3
Total Up Light	165.72	2.5

BUG(Back,Up,Glare) Rating	B2-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2791.8	70.469	2862.3
Street Side	3586.8	95.248	3682

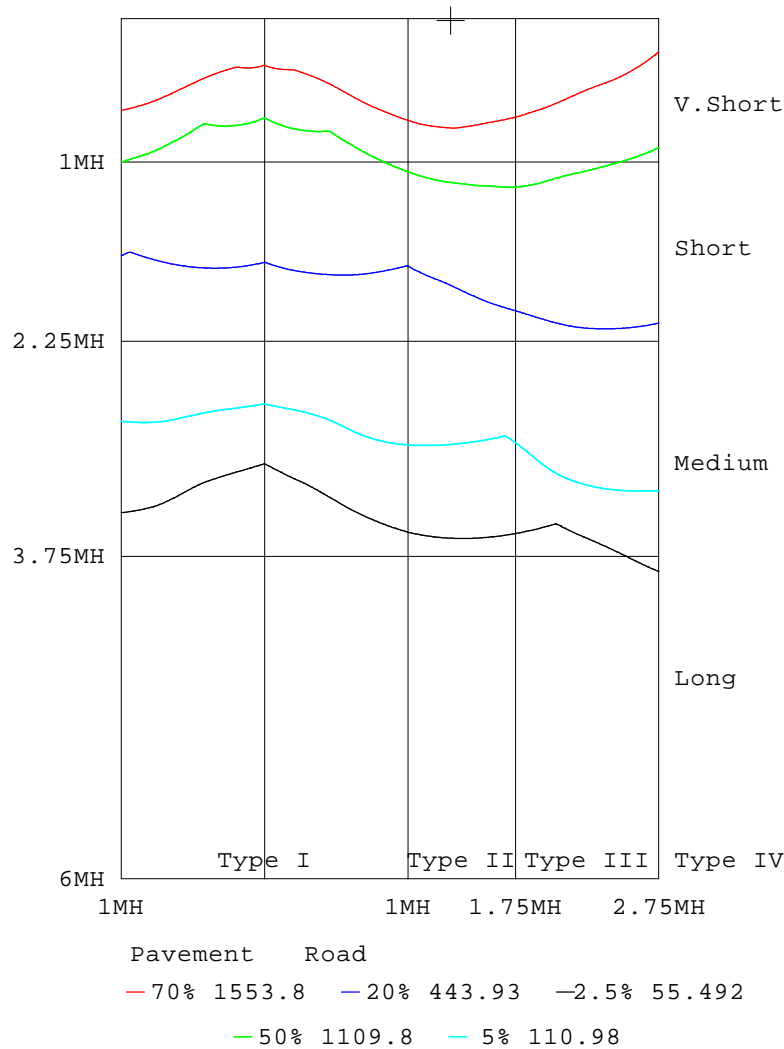
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-25

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:220.60V I:0.2340A P:50.500W PF:0.9750 Freq:50.00Hz		
Lamp Flux:6544.3x1 lm		
Name: NS80-50W	Type: LED	
MFR.: Lumega Group	DIM.: 370*230*75mm	
	SUR.: 120*170mm	

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:220.60V I:0.2340A P:50.500W PF:0.9750 Freq:50.00Hz		
Lamp Flux:6544.3x1 lm		
Name: NS80-50W	Type: LED	
MFR.: Lumega Group	DIM.: 370*230*75mm	
	SUR.: 120*170mm	

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	1975	1972	1975	1972	1971	1963	1975	1972	1975	1972	1971	1963							
5	1977	2008	2028	2032	2022	1996	1975	1927	1895	1876	1892	1921							
10	1983	2039	2069	2074	2060	2023	1976	1880	1804	1768	1806	1879							
15	1996	2069	2088	2084	2075	2048	1983	1840	1701	1641	1714	1848							
20	2016	2095	2089	2079	2071	2072	2002	1807	1585	1502	1605	1827							
25	2048	2112	2079	2043	2059	2096	2031	1779	1469	1350	1497	1810							
30	2089	2125	2037	1965	2017	2118	2069	1763	1351	1214	1381	1798							
35	2133	2141	1953	1841	1938	2137	2112	1752	1234	1103	1266	1797							
40	2176	2148	1822	1651	1810	2147	2154	1735	1117	1001	1157	1793							
45	2208	2129	1630	1332	1617	2127	2184	1694	1004	890	1049	1762							
50	2228	2064	1305	1046	1292	2043	2190	1617	875	766	916	1710							
55	2224	1934	1027	664	1050	1876	2163	1481	722	630	760	1609							
60	2174	1702	590	250	589	1608	2086	1261	540	427	597	1422							
65	1944	1452	159	112	161	1369	1856	1024	306	271	368	1196							
70	1698	1110	81.0	68.5	84.1	965	1606	654	175	93.9	195	847							
75	1087	416	48.9	41.9	48.7	323	949	256	65.3	26.5	81.0	457							
80	264	56.2	25.0	21.1	23.2	50.2	155	56.4	20.8	13.6	25.3	78.0							
85	26.5	19.9	11.5	10.9	10.9	14.9	28.1	21.9	14.1	13.4	15.7	29.3							
90	15.6	12.6	9.25	9.52	9.66	12.5	21.3	18.4	14.6	14.0	15.3	18.2							
95	17.9	14.2	10.4	10.4	10.9	14.4	23.5	20.2	15.9	15.2	16.8	19.8							
100	20.5	16.2	12.1	11.8	12.6	16.5	25.4	22.3	17.5	16.9	18.6	21.9							
105	22.4	18.2	14.1	13.5	14.5	18.6	26.7	24.3	19.8	19.0	20.6	23.9							
110	24.3	20.5	16.2	15.4	16.6	20.7	28.7	26.3	22.3	21.5	23.1	25.7							
115	26.3	22.8	18.4	17.5	18.6	22.5	30.5	28.0	24.8	24.1	25.6	28.0							
120	27.9	25.0	20.7	19.6	20.6	23.8	32.0	29.5	27.1	26.7	28.1	30.2							
125	29.3	26.9	22.9	21.7	22.5	24.9	33.1	30.7	28.9	29.1	30.4	32.1							
130	30.6	28.7	25.2	23.8	24.4	26.2	34.3	31.9	30.6	31.2	32.6	33.7							
135	32.1	30.5	27.3	26.0	26.1	27.7	35.7	33.3	31.9	32.9	34.4	35.1							
140	33.9	32.4	29.4	28.2	28.0	29.5	37.4	34.9	33.3	34.3	35.8	36.5							
145	35.9	34.3	31.6	30.5	30.1	31.4	39.2	36.6	34.9	35.5	36.9	37.9							
150	37.8	36.3	33.9	33.0	32.4	33.4	40.7	38.2	36.5	36.8	38.1	39.2							
155	39.5	38.1	36.2	35.6	34.7	35.3	41.9	39.6	38.3	38.5	39.4	40.4							
160	41.2	40.0	38.3	38.0	36.9	37.3	43.0	40.8	40.0	40.4	40.7	41.4							
165	42.9	41.8	40.2	40.0	39.0	39.3	44.1	42.0	41.4	42.1	41.9	42.3							
170	44.4	43.2	41.7	41.6	40.9	41.1	45.0	42.9	42.1	42.6	42.5	42.9							
175	45.5	44.1	42.7	42.8	42.4	42.6	45.6	43.7	42.4	42.6	42.6	43.2							
180	45.8	44.2	42.8	42.9	42.7	43.3	45.9	44.1	42.9	42.9	42.8	43.3							

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: