

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P760208

Luminaire Tested: LD6D10D010-EU6DR300210IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR300210IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1127.8 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

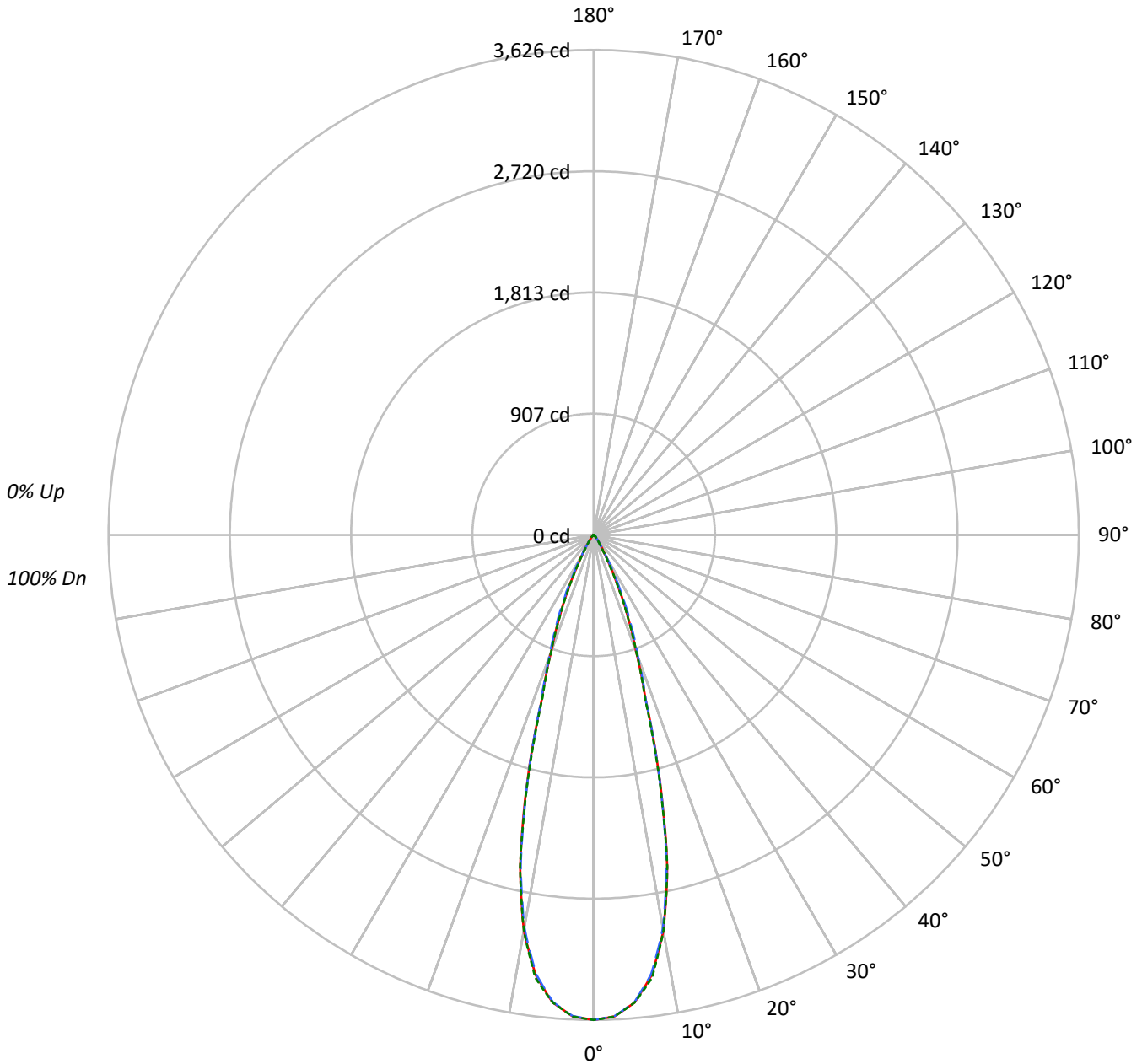


Downlight



TEST NUMBER: P760208
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	277585	277585	277585
5°	269617	269309	269632
10°	233530	231890	233476
15°	152370	151553	150785
20°	75762	78605	75664
25°	38166	43039	37389
30°	15282	16652	13311
35°	7092	6793	5691
40°	3068	3397	2878
45°	2154	2685	2176
50°	738	1953	786
55°	427	814	454
60°	291	352	291
65°	199	199	199
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2685 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.9	28.3
10°-20°	513.6	45.5
20°-30°	221.9	19.7
30°-40°	50.6	4.5
40°-50°	17.4	1.5
50°-60°	4.2	0.4
60°-70°	1.1	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1054.4	93.5
0°-40°	1105.0	98.0
0°-60°	1126.6	99.9
0°-90°	1127.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3626	3626	3626	3626	3626	
5°	3509	3506	3505	3512	3509	319
15°	1923	1900	1912	1906	1903	515
25°	452	469	510	457	443	216
35°	76	78	73	72	61	51
45°	20	25	25	25	20	14
55°	3	3	6	4	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3626.5	3626.5	3626.5	3626.5	3626.5
2.5°	3602.5	3600.0	3601.5	3603.2	3604.0
5°	3509.0	3505.7	3505.0	3512.2	3509.2
7.5°	3320.5	3315.7	3308.4	3324.9	3340.4
10°	3004.6	2999.3	2983.5	2991.3	3003.9
12.5°	2538.3	2521.0	2520.7	2545.6	2542.2
15°	1922.8	1899.6	1912.5	1906.2	1902.8
17.5°	1293.0	1284.1	1301.2	1296.0	1273.8
20°	930.1	932.5	965.0	948.6	928.9
22.5°	678.7	687.1	725.8	683.5	668.1
25°	451.9	469.0	509.6	457.0	442.7
27.5°	277.9	285.8	326.9	274.4	266.5
30°	172.9	169.0	188.4	161.7	150.6
32.5°	113.4	108.5	114.6	102.9	94.0
35°	75.9	77.5	72.7	72.1	60.9
37.5°	47.4	54.5	48.1	51.3	39.2
40°	30.7	39.5	34.0	37.6	28.8
42.5°	25.1	30.4	28.0	29.7	25.6
45°	19.9	24.8	24.8	24.8	20.1
47.5°	11.1	16.6	21.2	16.9	11.7
50°	6.2	8.4	16.4	8.7	6.6
52.5°	4.3	4.8	11.2	5.0	4.5
55°	3.2	3.4	6.1	3.6	3.4
57.5°	2.5	2.7	3.2	2.7	2.5
60°	1.9	1.9	2.3	2.1	1.9
62.5°	1.4	1.4	1.6	1.4	1.4
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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