

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: P769560

Luminaire Tested: LD6D65D010-EU6DR3055659050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769560
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: LD6D65D010-EU6DR3055659050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7348.8 lumens
Efficiency: N/A
Efficacy: 100.9 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): 72.8
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

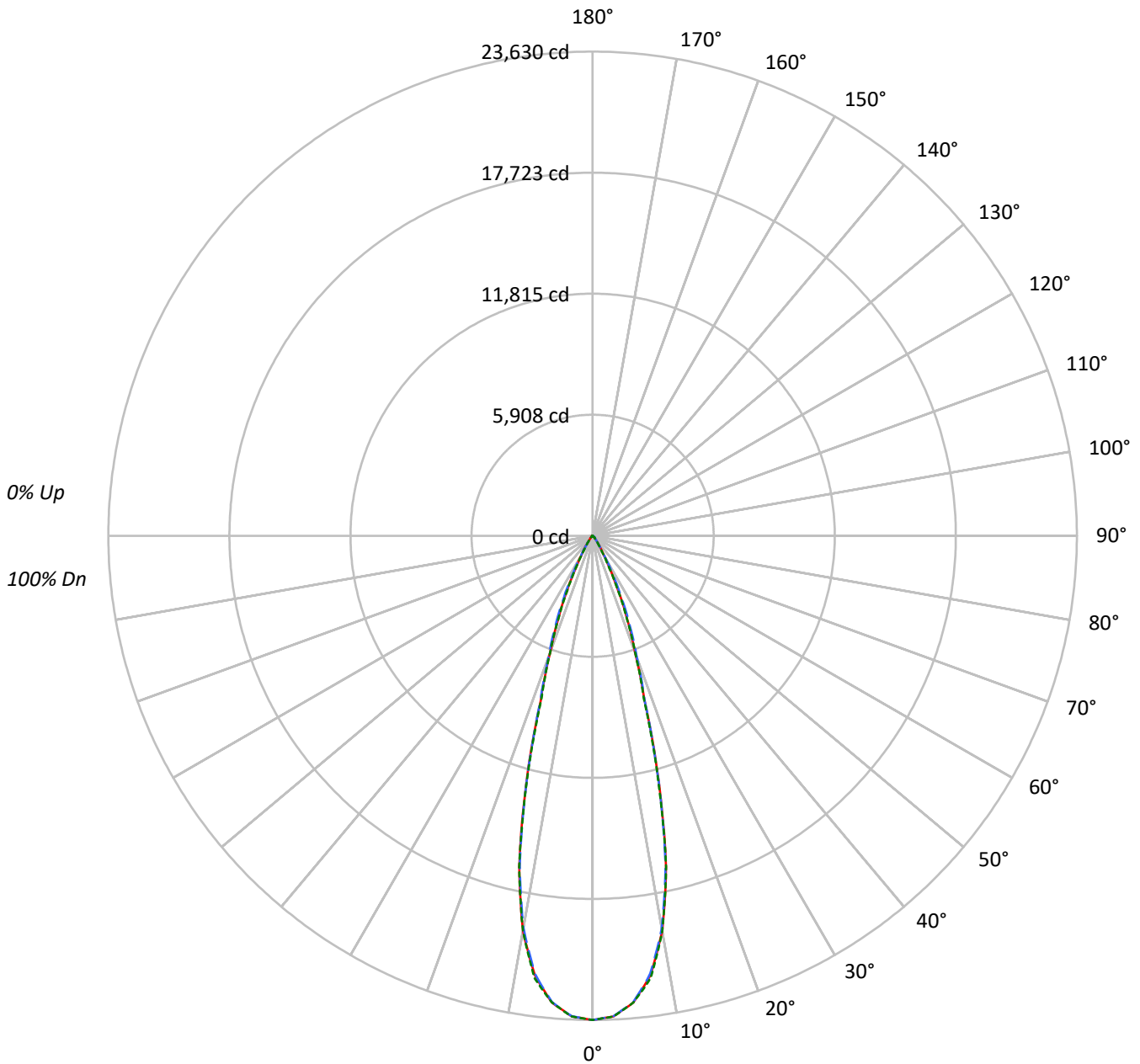


Downlight

TEST NUMBER: P769560

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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°	1808720	1808720	1808720
5°	1756796	1754752	1756889
10°	1521653	1510927	1521296
15°	992803	987470	982509
20°	493679	512194	493011
25°	248682	280429	243580
30°	99565	108483	86750
35°	46179	44226	37078
40°	19934	22142	18775
45°	14062	17461	14191
50°	4835	12706	5109
55°	2789	5258	2936
60°	1960	2312	1960
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17461 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2077.9	28.3
10°-20°	3346.5	45.5
20°-30°	1446.1	19.7
30°-40°	329.6	4.5
40°-50°	113.2	1.5
50°-60°	27.6	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6870.5	93.5
0°-40°	7200.1	98.0
0°-60°	7340.9	99.9
0°-90°	7348.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7348.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23630	23630	23630	23630	23630	
5°	22864	22842	22838	22885	22866	2080
15°	12528	12378	12461	12421	12399	3355
25°	2944	3056	3320	2978	2884	1409
35°	494	505	473	470	397	335
45°	130	161	161	161	131	92
55°	21	22	39	23	22	20
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
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°	23630.0	23630.0	23630.0	23630.0	23630.0
2.5°	23473.4	23457.2	23466.5	23478.1	23482.7
5°	22864.3	22842.3	22837.7	22885.2	22865.5
7.5°	21635.7	21604.4	21556.8	21664.7	21765.7
10°	19577.6	19542.8	19439.6	19490.6	19573.0
12.5°	16539.2	16426.6	16424.3	16586.7	16564.7
15°	12528.5	12377.7	12461.2	12420.6	12398.6
17.5°	8425.0	8367.0	8478.4	8444.8	8299.8
20°	6060.7	6075.7	6288.0	6181.3	6052.5
22.5°	4422.5	4477.0	4728.8	4453.8	4352.9
25°	2944.5	3055.8	3320.4	2978.1	2884.1
27.5°	1811.0	1862.0	2130.0	1787.8	1736.8
30°	1126.5	1101.0	1227.4	1053.4	981.5
32.5°	739.0	706.5	747.1	670.6	612.6
35°	494.2	504.7	473.3	469.9	396.8
37.5°	308.6	355.0	313.2	334.1	255.2
40°	199.5	257.6	221.6	244.8	187.9
42.5°	163.6	198.4	182.1	193.7	167.1
45°	129.9	161.3	161.3	161.3	131.1
47.5°	71.9	107.9	138.1	110.2	76.6
50°	40.6	54.5	106.7	56.8	42.9
52.5°	27.8	31.3	73.1	32.5	29.0
55°	20.9	22.0	39.4	23.2	22.0
57.5°	16.2	17.4	20.9	17.4	16.2
60°	12.8	12.8	15.1	13.9	12.8
62.5°	9.3	9.3	10.4	9.3	9.3
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.6	4.6	4.6	4.6
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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