

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



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: P769506

Luminaire Tested: LD6D65D010-EU6DR3055659027-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769506
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-EU6DR3055659027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7506.0 lumens
Efficiency: N/A
Efficacy: 103.1 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

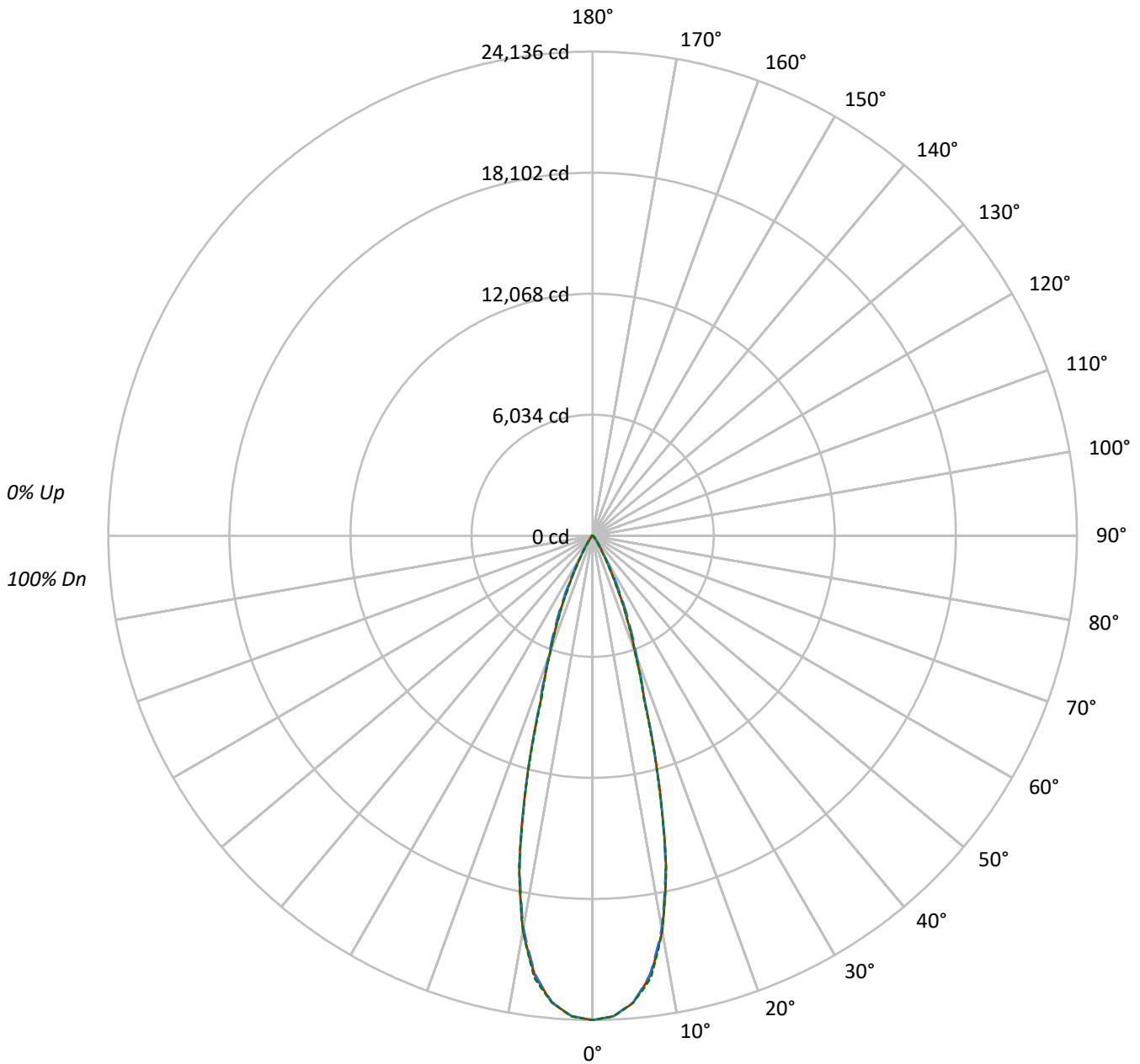
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1847413	1847413	1847413
5°	1794384	1792287	1794469
10°	1554204	1543245	1553839
15°	1014040	1008596	1003525
20°	504236	523158	503560
25°	254002	286425	248791
30°	101695	110808	88606
35°	47170	45179	37872
40°	20364	22612	19185
45°	14365	17829	14495
50°	4942	12980	5216
55°	2842	5378	3003
60°	1990	2358	1990
65°	1286	1286	1286
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 17829 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2122.4	28.3
10°-20°	3418.1	45.5
20°-30°	1477.0	19.7
30°-40°	336.6	4.5
40°-50°	115.6	1.5
50°-60°	28.2	0.4
60°-70°	7.3	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°	7017.5	93.5
0°-40°	7354.1	98.0
0°-60°	7497.9	99.9
0°-90°	7506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7506.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24136	24136	24136	24136	24136	
5°	23354	23331	23326	23375	23355	2124
15°	12796	12642	12728	12686	12664	3426
25°	3008	3121	3391	3042	2946	1440
35°	505	516	484	480	405	342
45°	133	165	165	165	134	94
55°	21	22	40	24	22	21
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°	24135.5	24135.5	24135.5	24135.5	24135.5
2.5°	23975.6	23959.0	23968.5	23980.3	23985.0
5°	23353.5	23330.9	23326.2	23374.8	23354.6
7.5°	22098.6	22066.6	22018.0	22128.2	22231.3
10°	19996.4	19960.9	19855.4	19907.5	19991.7
12.5°	16893.0	16778.0	16775.7	16941.6	16919.0
15°	12796.5	12642.5	12727.8	12686.3	12663.8
17.5°	8605.3	8546.0	8659.8	8625.4	8477.3
20°	6190.3	6205.7	6422.6	6313.5	6182.0
22.5°	4517.1	4572.8	4830.0	4549.1	4446.0
25°	3007.5	3121.2	3391.4	3041.8	2945.8
27.5°	1849.7	1901.9	2175.6	1826.0	1773.9
30°	1150.6	1124.5	1253.7	1076.0	1002.5
32.5°	754.8	721.6	763.1	684.9	625.7
35°	504.8	515.5	483.5	479.9	405.3
37.5°	315.2	362.6	319.9	341.3	260.7
40°	203.8	263.1	226.3	250.0	192.0
42.5°	167.1	202.6	186.0	197.9	170.6
45°	132.7	164.7	164.7	164.7	133.9
47.5°	73.5	110.2	141.0	112.6	78.2
50°	41.5	55.7	109.0	58.1	43.8
52.5°	28.4	32.0	74.7	33.2	29.6
55°	21.3	22.5	40.3	23.7	22.5
57.5°	16.6	17.8	21.3	17.8	16.6
60°	13.0	13.0	15.4	14.2	13.0
62.5°	9.5	9.5	10.7	9.5	9.5
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.6	4.7	4.7	4.7	4.7
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	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

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Scaled Data Report





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

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