

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: P768729

Luminaire Tested: LD6D60D010-EU6DR3055659027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768729
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: LD6D60D010-EU6DR3055659027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6698.0 lumens
Efficiency: N/A
Efficacy: 104.0 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

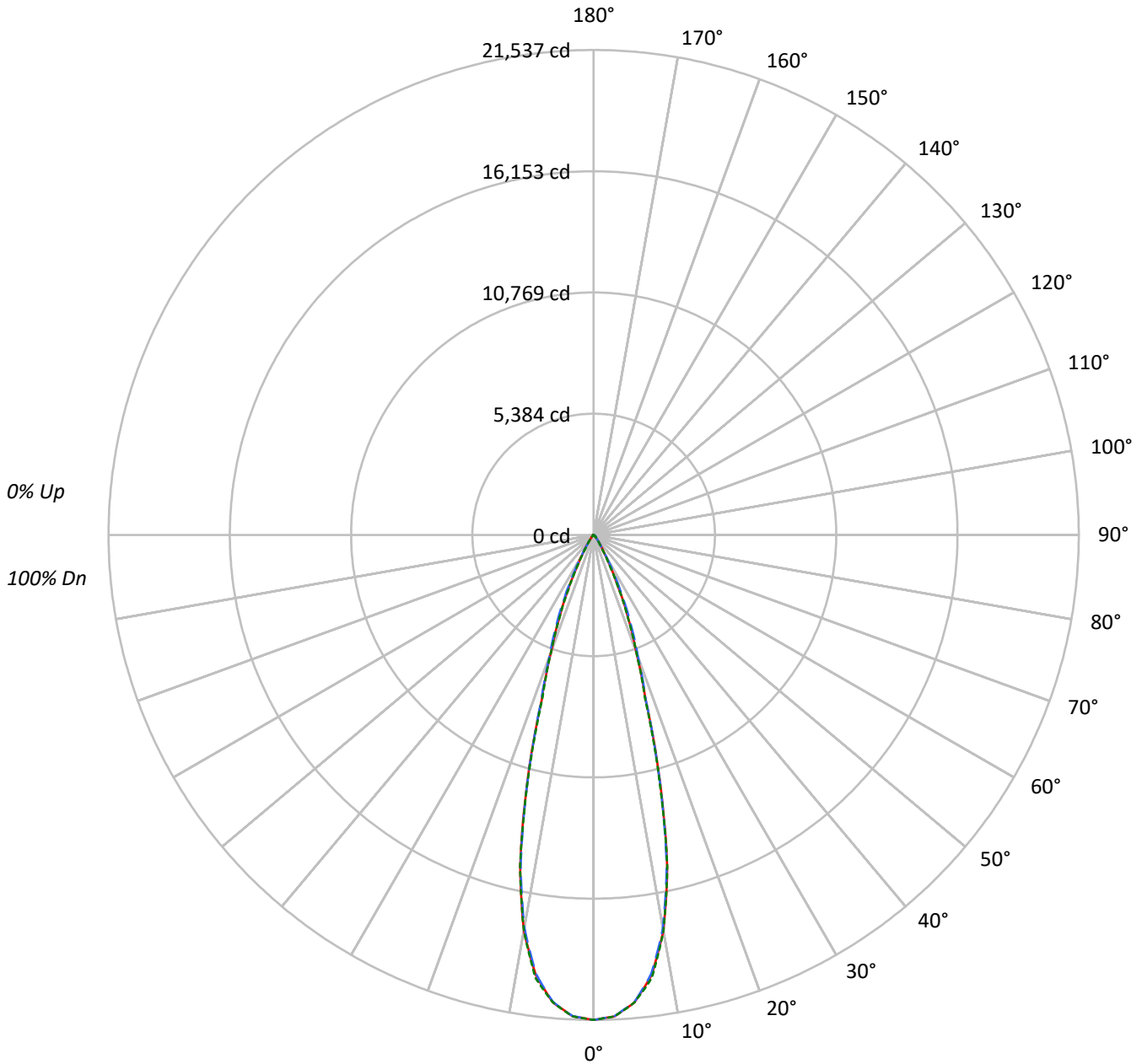
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1648546	1648546	1648546
5°	1601219	1599352	1601296
10°	1386895	1377117	1386569
15°	904882	900025	895500
20°	449954	466839	449351
25°	226655	255590	222010
30°	90745	98876	79069
35°	42096	40311	33789
40°	18176	20184	17116
45°	12817	15913	12936
50°	4406	11587	4656
55°	2536	4804	2682
60°	1776	2097	1776
65°	1141	1141	1141
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15913 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1893.9	28.3
10°-20°	3050.1	45.5
20°-30°	1318.0	19.7
30°-40°	300.4	4.5
40°-50°	103.1	1.5
50°-60°	25.2	0.4
60°-70°	6.5	0.1
70°-80°	0.7	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°	6262.0	93.5
0°-40°	6562.5	98.0
0°-60°	6690.8	99.9
0°-90°	6698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21537	21537	21537	21537	21537	
5°	20840	20819	20815	20858	20840	1895
15°	11419	11282	11358	11321	11301	3058
25°	2684	2785	3026	2714	2629	1285
35°	450	460	431	428	362	306
45°	118	147	147	147	120	84
55°	19	20	36	21	20	19
65°	6	6	6	6	6	6
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°	21537.4	21537.4	21537.4	21537.4	21537.4
2.5°	21394.6	21379.8	21388.3	21398.9	21403.1
5°	20839.5	20819.4	20815.2	20858.5	20840.5
7.5°	19719.7	19691.1	19647.8	19746.1	19838.1
10°	17843.8	17812.1	17718.0	17764.5	17839.6
12.5°	15074.5	14971.9	14969.8	15117.8	15097.7
15°	11419.0	11281.5	11357.7	11320.7	11300.6
17.5°	7678.9	7626.1	7727.6	7696.9	7564.7
20°	5523.9	5537.7	5731.2	5633.9	5516.5
22.5°	4030.9	4080.6	4310.0	4059.4	3967.4
25°	2683.7	2785.2	3026.3	2714.4	2628.7
27.5°	1650.6	1697.1	1941.4	1629.5	1582.9
30°	1026.7	1003.5	1118.7	960.1	894.6
32.5°	673.6	644.0	681.0	611.2	558.3
35°	450.5	460.0	431.4	428.3	361.6
37.5°	281.3	323.6	285.5	304.5	232.6
40°	181.9	234.7	202.0	223.1	171.3
42.5°	149.1	180.8	166.0	176.6	152.3
45°	118.4	147.0	147.0	147.0	119.5
47.5°	65.6	98.3	125.8	100.5	69.8
50°	37.0	49.7	97.3	51.8	39.1
52.5°	25.4	28.6	66.6	29.6	26.4
55°	19.0	20.1	36.0	21.1	20.1
57.5°	14.8	15.9	19.0	15.9	14.8
60°	11.6	11.6	13.7	12.7	11.6
62.5°	8.5	8.5	9.5	8.5	8.5
65°	6.3	6.3	6.3	6.3	6.3
67.5°	3.2	4.2	4.2	4.2	4.2
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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