

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: P768743

Luminaire Tested: LD6D60D010-EU6DR3055659030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768743
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-EU6DR3055659030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7359.8 lumens
Efficiency: N/A
Efficacy: 114.3 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

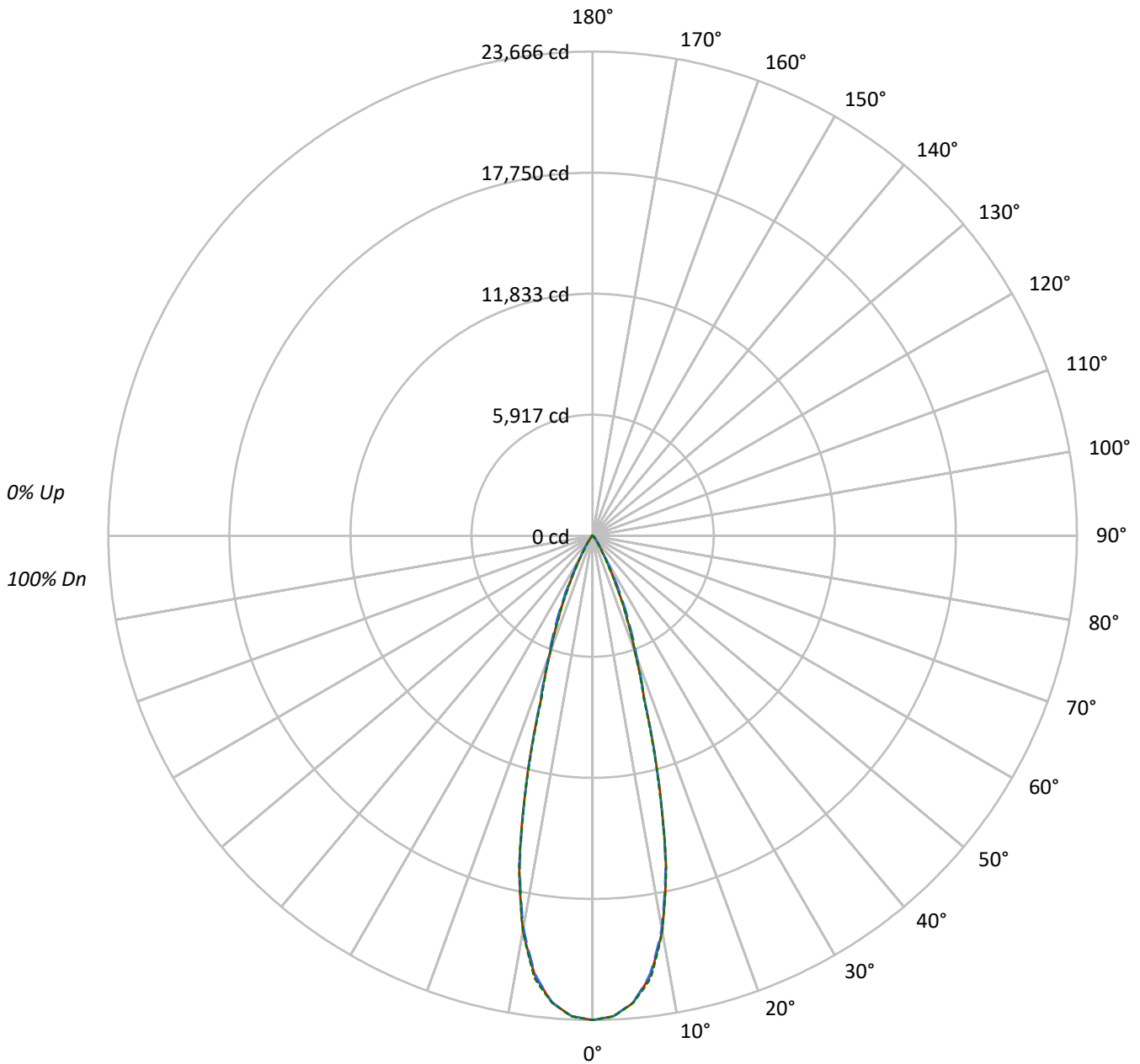
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1811438	1811438	1811438
5°	1759432	1757380	1759524
10°	1523938	1513189	1523573
15°	994293	988952	983983
20°	494412	512968	493752
25°	249053	280843	243952
30°	99716	108651	86882
35°	46254	44301	37134
40°	19964	22172	18805
45°	14083	17482	14213
50°	4847	12730	5120
55°	2789	5271	2949
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: 17482 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2081.0	28.3
10°-20°	3351.5	45.5
20°-30°	1448.3	19.7
30°-40°	330.1	4.5
40°-50°	113.3	1.5
50°-60°	27.7	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°	6880.8	93.5
0°-40°	7210.9	98.0
0°-60°	7351.9	99.9
0°-90°	7359.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7359.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23666	23666	23666	23666	23666	
5°	22899	22876	22872	22920	22900	2083
15°	12547	12396	12480	12439	12417	3360
25°	2949	3060	3325	2983	2888	1412
35°	495	505	474	471	397	336
45°	130	162	162	162	131	92
55°	21	22	40	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°	23665.5	23665.5	23665.5	23665.5	23665.5
2.5°	23508.6	23492.3	23501.6	23513.3	23517.9
5°	22898.6	22876.5	22871.9	22919.5	22899.8
7.5°	21668.2	21636.8	21589.2	21697.2	21798.3
10°	19607.0	19572.1	19468.7	19519.8	19602.3
12.5°	16564.0	16451.3	16448.9	16611.6	16589.5
15°	12547.3	12396.2	12479.9	12439.2	12417.2
17.5°	8437.7	8379.6	8491.1	8457.4	8312.2
20°	6069.7	6084.8	6297.5	6190.6	6061.6
22.5°	4429.1	4483.7	4735.9	4460.5	4359.4
25°	2948.9	3060.4	3325.3	2982.6	2888.5
27.5°	1813.7	1864.8	2133.2	1790.5	1739.4
30°	1128.2	1102.6	1229.3	1055.0	983.0
32.5°	740.1	707.6	748.3	671.6	613.5
35°	495.0	505.4	474.1	470.6	397.4
37.5°	309.1	355.5	313.7	334.6	255.6
40°	199.8	257.9	221.9	245.2	188.2
42.5°	163.8	198.7	182.4	194.0	167.3
45°	130.1	161.5	161.5	161.5	131.3
47.5°	72.0	108.1	138.3	110.4	76.7
50°	40.7	54.6	106.9	56.9	43.0
52.5°	27.9	31.4	73.2	32.5	29.0
55°	20.9	22.1	39.5	23.2	22.1
57.5°	16.3	17.4	20.9	17.4	16.3
60°	12.8	12.8	15.1	13.9	12.8
62.5°	9.3	9.3	10.5	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

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

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