

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: P791367

Luminaire Tested: LER6D30D010-EC6DR3020359050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791367
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: LER6D30D010-EC6DR3020359050-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4688.4 lumens
Efficiency: N/A
Efficacy: 161.7 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

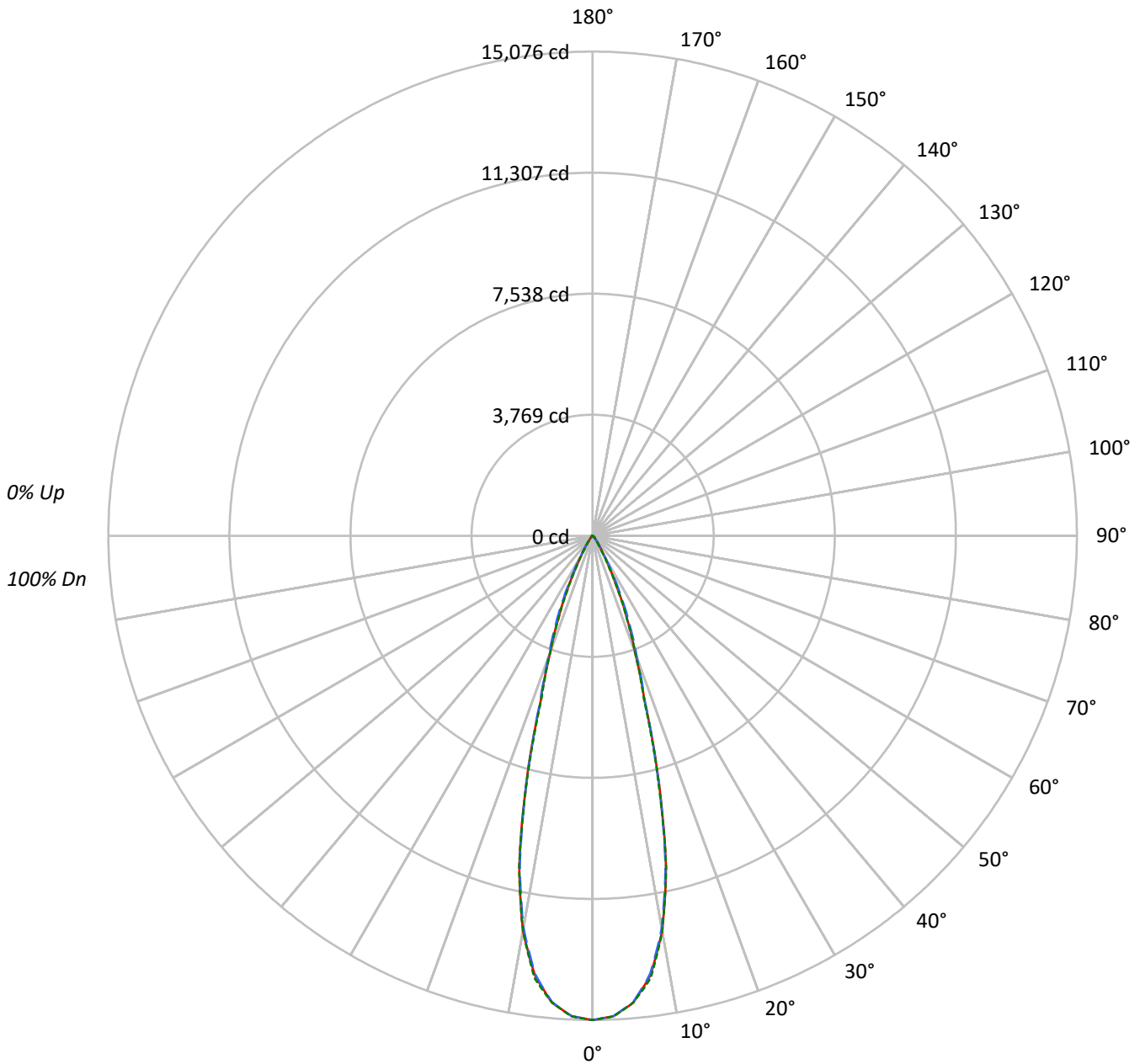
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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						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°	1153930	1153930	1153930
5°	1120804	1119497	1120857
10°	970783	963936	970558
15°	633386	629986	626817
20°	314957	326768	314533
25°	158651	178904	155400
30°	63522	69214	55346
35°	29462	28220	23650
40°	12720	14129	11980
45°	8974	11139	9050
50°	3084	8109	3263
55°	1775	3363	1882
60°	1240	1470	1240
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 11139 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1325.7	28.3
10°-20°	2135.0	45.5
20°-30°	922.6	19.7
30°-40°	210.3	4.5
40°-50°	72.2	1.5
50°-60°	17.6	0.4
60°-70°	4.6	0.1
70°-80°	0.5	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°	4383.2	93.5
0°-40°	4593.5	98.0
0°-60°	4683.4	99.9
0°-90°	4688.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4688.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15076	15076	15076	15076	15076	
5°	14587	14573	14570	14600	14588	1327
15°	7993	7897	7950	7924	7910	2140
25°	1878	1950	2118	1900	1840	899
35°	315	322	302	300	253	214
45°	83	103	103	103	84	59
55°	13	14	25	15	14	13
65°	4	4	4	4	4	4
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°	15075.5	15075.5	15075.5	15075.5	15075.5
2.5°	14975.6	14965.2	14971.1	14978.5	14981.5
5°	14587.0	14572.9	14570.0	14600.3	14587.7
7.5°	13803.2	13783.2	13752.8	13821.7	13886.1
10°	12490.1	12467.9	12402.0	12434.6	12487.2
12.5°	10551.7	10479.9	10478.4	10582.0	10567.9
15°	7992.9	7896.7	7950.0	7924.1	7910.0
17.5°	5375.0	5338.0	5409.1	5387.6	5295.1
20°	3866.6	3876.2	4011.6	3943.5	3861.4
22.5°	2821.5	2856.3	3016.9	2841.5	2777.1
25°	1878.5	1949.6	2118.3	1900.0	1840.0
27.5°	1155.4	1187.9	1358.9	1140.6	1108.0
30°	718.7	702.4	783.1	672.1	626.2
32.5°	471.5	450.8	476.7	427.8	390.8
35°	315.3	322.0	302.0	299.8	253.1
37.5°	196.9	226.5	199.8	213.2	162.8
40°	127.3	164.3	141.4	156.2	119.9
42.5°	104.4	126.6	116.2	123.6	106.6
45°	82.9	102.9	102.9	102.9	83.6
47.5°	45.9	68.8	88.1	70.3	48.9
50°	25.9	34.8	68.1	36.3	27.4
52.5°	17.8	20.0	46.6	20.7	18.5
55°	13.3	14.1	25.2	14.8	14.1
57.5°	10.4	11.1	13.3	11.1	10.4
60°	8.1	8.1	9.6	8.9	8.1
62.5°	5.9	5.9	6.7	5.9	5.9
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	3.0	3.0	3.0	3.0
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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