

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: P791195

Luminaire Tested: LER6D30D010-EC6DR1515309027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR1515309027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3079.7 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

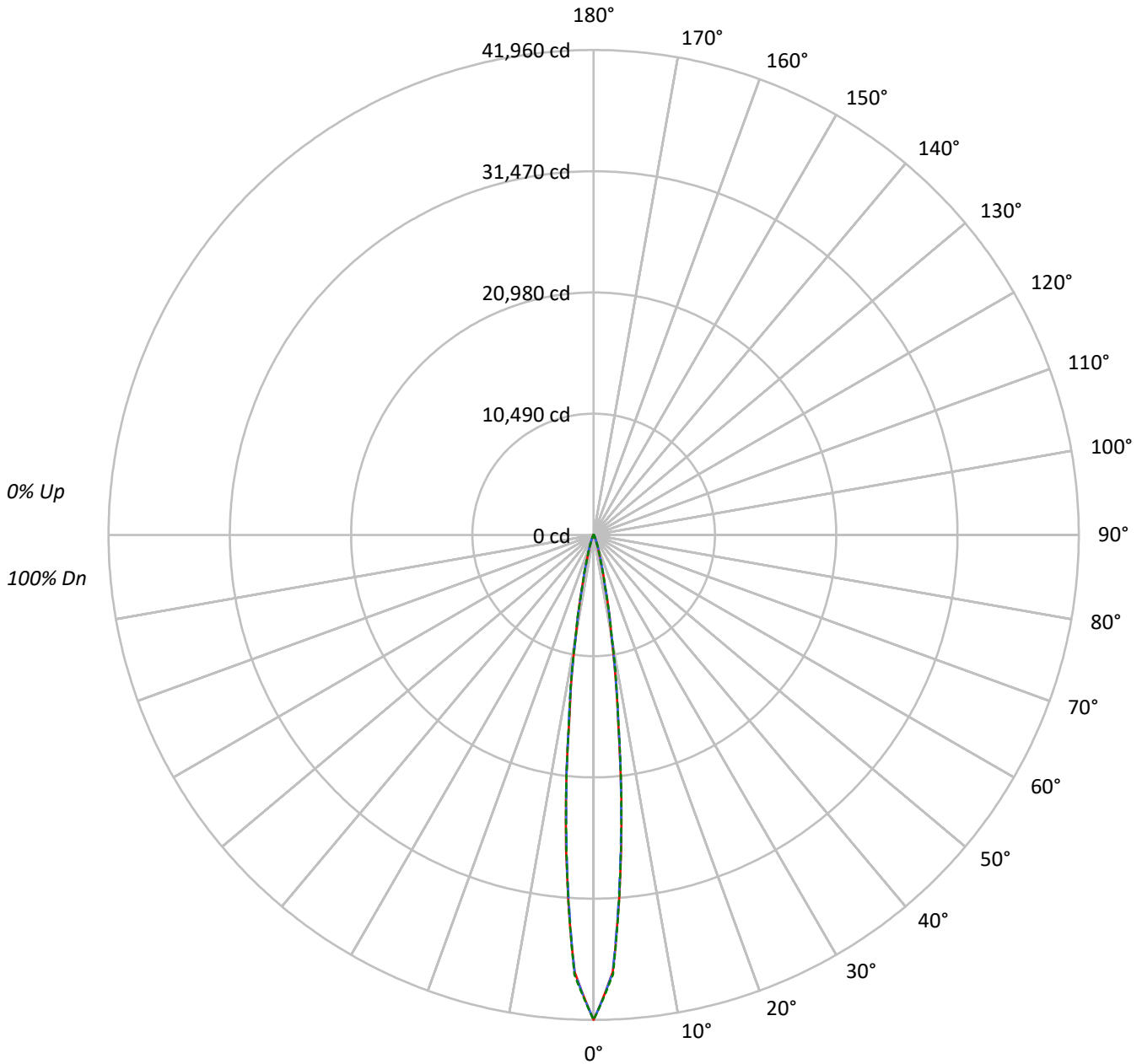
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4721337	4721337	4721337
5°	2774479	2738553	2760221
10°	828049	833853	846617
15°	205972	209985	203506
20°	61629	71366	62930
25°	21727	27678	21999
30°	7982	10506	8117
35°	4001	4517	3871
40°	2521	2777	2521
45°	1862	1988	1862
50°	1481	1481	1481
55°	1239	1239	1239
60°	997	997	997
65°	764	764	764
70°	651	651	651
75°	401	401	537
80°	284	284	284
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1988 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1997.4	64.9
10°-20°	821.6	26.7
20°-30°	163.2	5.3
30°-40°	40.7	1.3
40°-50°	21.4	0.7
50°-60°	15.9	0.5
60°-70°	11.2	0.4
70°-80°	6.4	0.2
80°-90°	2.0	0.1
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°	2982.1	96.8
0°-40°	3022.9	98.2
0°-60°	3060.2	99.4
0°-90°	3079.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3079.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	41960	41960	41960	41960	41960	
5°	27300	27019	26947	27133	27160	1994
15°	2371	2416	2418	2375	2343	813
25°	279	316	355	314	282	146
35°	55	59	62	59	53	37
45°	27	27	28	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	41960.0	41960.0	41960.0	41960.0	41960.0
2.5°	37849.6	37881.6	37894.0	37931.3	38069.9
5°	27300.1	27019.4	26946.6	27133.1	27159.8
7.5°	16171.5	16228.4	16436.2	16482.4	16315.4
10°	8874.4	8947.3	8936.6	9000.6	9073.4
12.5°	4538.5	4481.6	4463.9	4536.7	4435.4
15°	2371.4	2415.8	2417.6	2374.9	2343.0
17.5°	1275.4	1326.9	1412.2	1342.9	1236.3
20°	753.2	799.3	872.2	815.3	769.1
22.5°	465.4	502.7	554.2	509.8	472.5
25°	278.9	316.2	355.3	314.4	282.4
27.5°	165.2	197.2	222.0	195.4	163.4
30°	106.6	124.3	140.3	122.6	108.4
32.5°	74.6	81.7	88.8	81.7	74.6
35°	55.1	58.6	62.2	58.6	53.3
37.5°	42.6	46.2	48.0	44.4	40.9
40°	35.5	37.3	39.1	37.3	35.5
42.5°	30.2	32.0	32.0	32.0	30.2
45°	26.6	26.6	28.4	26.6	26.6
47.5°	23.1	23.1	24.9	23.1	23.1
50°	21.3	21.3	21.3	21.3	21.3
52.5°	19.5	19.5	19.5	19.5	19.5
55°	17.8	17.8	17.8	17.8	17.8
57.5°	16.0	16.0	16.0	16.0	16.0
60°	14.2	14.2	14.2	14.2	14.2
62.5°	12.4	12.4	12.4	12.4	12.4
65°	10.7	10.7	10.7	10.7	10.7
67.5°	10.7	10.7	10.7	10.7	10.7
70°	8.9	8.9	8.9	8.9	8.9
72.5°	7.1	7.1	7.1	7.1	7.1
75°	5.3	5.3	5.3	5.3	7.1
77.5°	5.3	5.3	5.3	5.3	5.3
80°	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
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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