

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: P791187

Luminaire Tested: LER6D30D010-EC6DR1515309024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791187
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-EC6DR1515309024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2774.3 lumens
Efficiency: N/A
Efficacy: 95.7 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

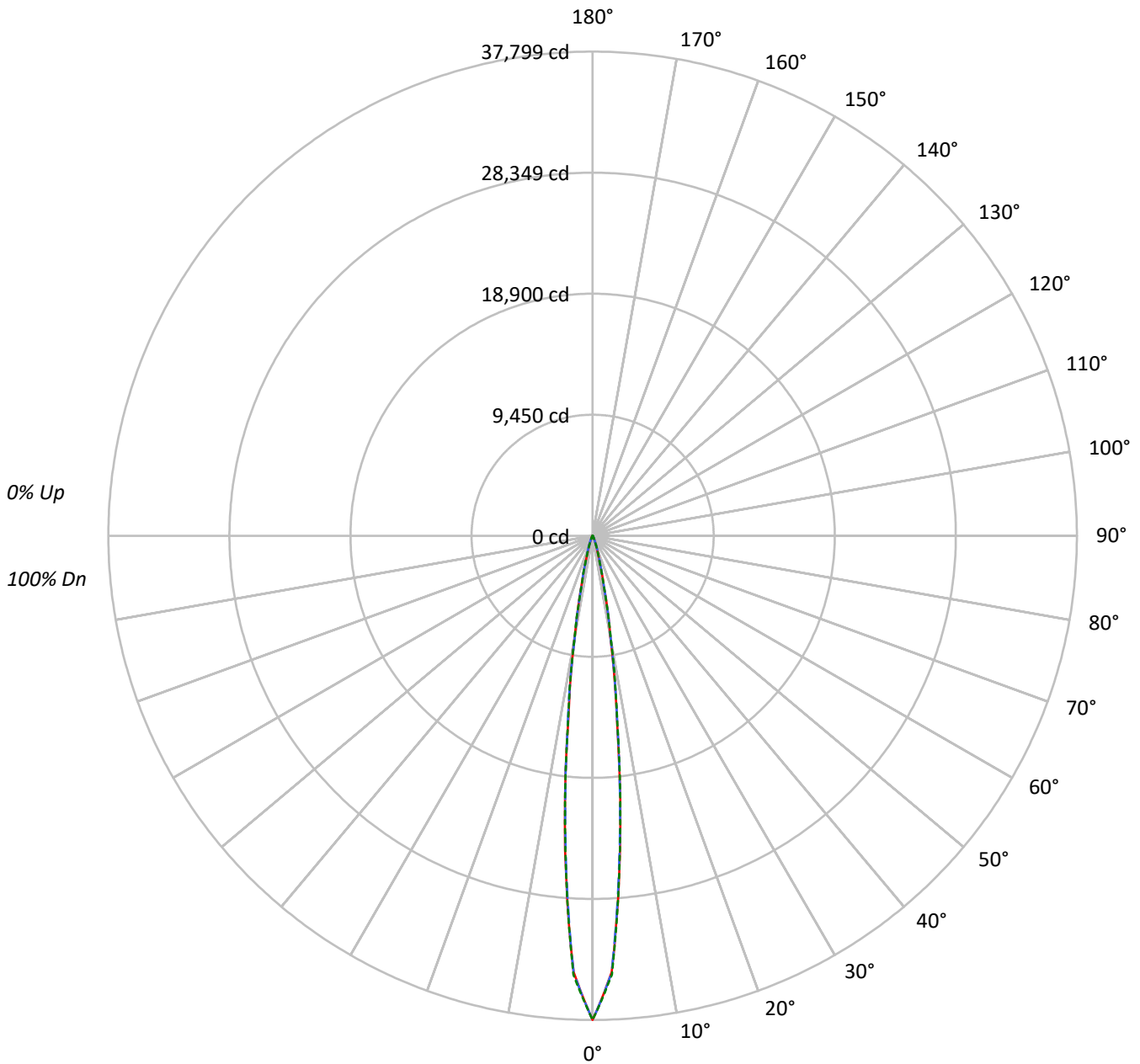
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4253153	4253153	4253153
5°	2499349	2466991	2486504
10°	745938	751163	762659
15°	185544	189157	183320
20°	55517	64288	56695
25°	19569	24928	19818
30°	7189	9465	7308
35°	3602	4067	3486
40°	2272	2500	2272
45°	1680	1792	1680
50°	1335	1335	1335
55°	1114	1114	1114
60°	899	899	899
65°	685	685	685
70°	585	585	585
75°	363	363	484
80°	252	252	252
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1792 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1799.3	64.9
10°-20°	740.1	26.7
20°-30°	147.0	5.3
30°-40°	36.7	1.3
40°-50°	19.3	0.7
50°-60°	14.3	0.5
60°-70°	10.1	0.4
70°-80°	5.7	0.2
80°-90°	1.7	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°	2686.4	96.8
0°-40°	2723.1	98.2
0°-60°	2756.7	99.4
0°-90°	2774.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2774.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37799	37799	37799	37799	37799	
5°	24593	24340	24274	24442	24466	1796
15°	2136	2176	2178	2139	2111	732
25°	251	285	320	283	254	132
35°	50	53	56	53	48	34
45°	24	24	26	24	24	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	10
75°	5	5	5	5	6	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°	37799.1	37799.1	37799.1	37799.1	37799.1
2.5°	34096.3	34125.1	34136.3	34169.9	34294.7
5°	24592.9	24340.1	24274.5	24442.5	24466.5
7.5°	14567.9	14619.1	14806.3	14847.9	14697.5
10°	7994.4	8060.0	8050.4	8108.0	8173.6
12.5°	4088.4	4037.2	4021.2	4086.8	3995.6
15°	2136.2	2176.2	2177.8	2139.4	2110.6
17.5°	1148.9	1195.3	1272.1	1209.7	1113.7
20°	678.5	720.1	785.7	734.5	692.9
22.5°	419.2	452.8	499.3	459.2	425.6
25°	251.2	284.8	320.0	283.2	254.4
27.5°	148.8	177.6	200.0	176.0	147.2
30°	96.0	112.0	126.4	110.4	97.6
32.5°	67.2	73.6	80.0	73.6	67.2
35°	49.6	52.8	56.0	52.8	48.0
37.5°	38.4	41.6	43.2	40.0	36.8
40°	32.0	33.6	35.2	33.6	32.0
42.5°	27.2	28.8	28.8	28.8	27.2
45°	24.0	24.0	25.6	24.0	24.0
47.5°	20.8	20.8	22.4	20.8	20.8
50°	19.2	19.2	19.2	19.2	19.2
52.5°	17.6	17.6	17.6	17.6	17.6
55°	16.0	16.0	16.0	16.0	16.0
57.5°	14.4	14.4	14.4	14.4	14.4
60°	12.8	12.8	12.8	12.8	12.8
62.5°	11.2	11.2	11.2	11.2	11.2
65°	9.6	9.6	9.6	9.6	9.6
67.5°	9.6	9.6	9.6	9.6	9.6
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.4	6.4	6.4	6.4	6.4
75°	4.8	4.8	4.8	4.8	6.4
77.5°	4.8	4.8	4.8	4.8	4.8
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
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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