

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: P791211

Luminaire Tested: LER6D30D010-EC6DR1515309035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791211
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-EC6DR1515309035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3357.0 lumens
Efficiency: N/A
Efficacy: 115.8 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

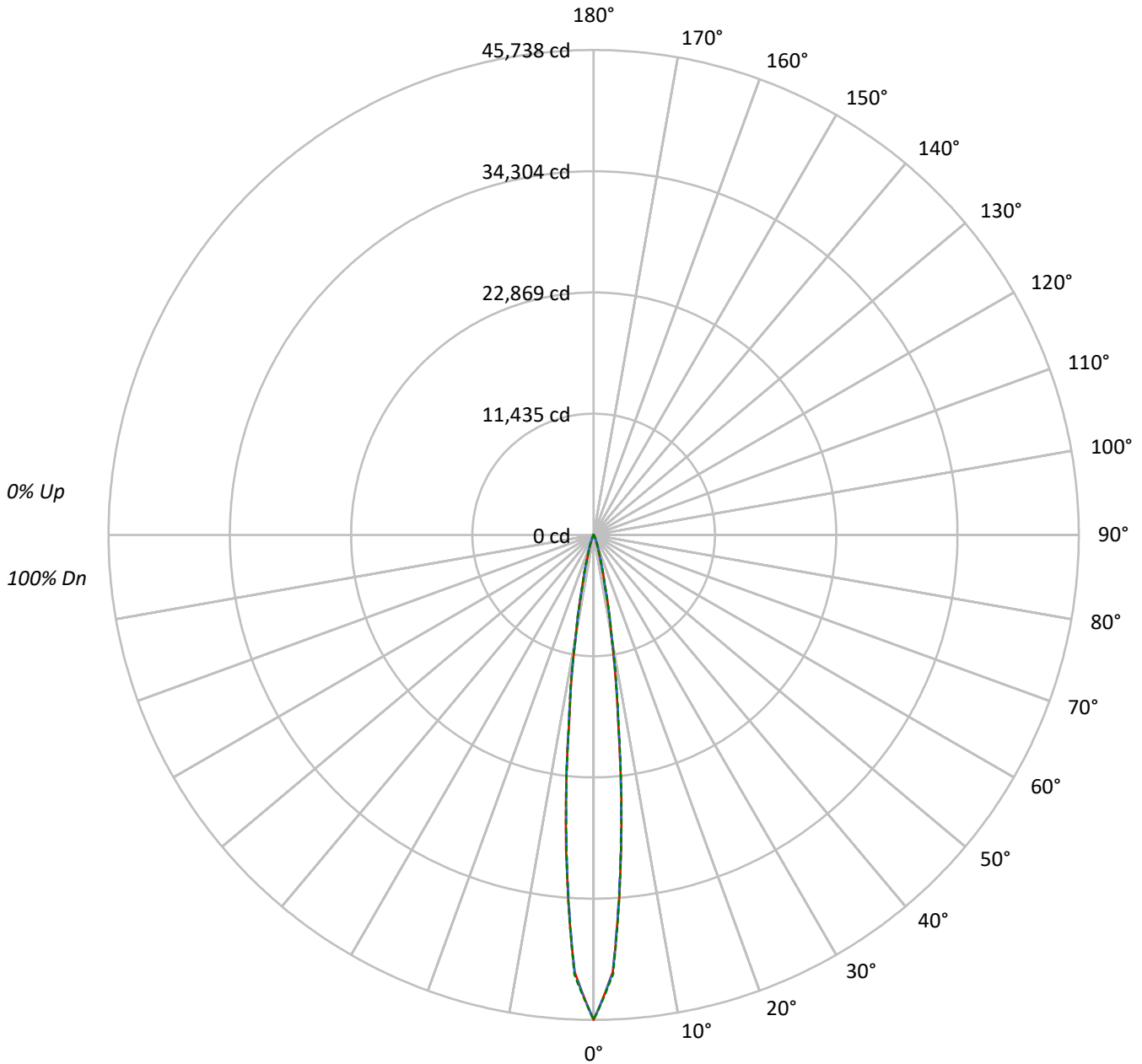
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	5146471	5146471	5146471
5°	3024314	2985156	3008764
10°	902620	908937	922849
15°	224516	228885	221824
20°	67177	77789	68600
25°	23682	30171	23986
30°	8701	11457	8843
35°	4357	4924	4219
40°	2748	3025	2748
45°	2030	2170	2030
50°	1613	1613	1613
55°	1350	1350	1350
60°	1088	1088	1088
65°	828	828	828
70°	709	709	709
75°	438	438	582
80°	307	307	307
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2170 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2177.2	64.9
10°-20°	895.6	26.7
20°-30°	177.9	5.3
30°-40°	44.4	1.3
40°-50°	23.3	0.7
50°-60°	17.3	0.5
60°-70°	12.2	0.4
70°-80°	6.9	0.2
80°-90°	2.1	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°	3250.7	96.8
0°-40°	3295.1	98.2
0°-60°	3335.7	99.4
0°-90°	3357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	45738	45738	45738	45738	45738	
5°	29758	29452	29373	29576	29605	2173
15°	2585	2633	2635	2589	2554	886
25°	304	345	387	343	308	160
35°	60	64	68	64	58	41
45°	29	29	31	29	29	23
55°	19	19	19	19	19	17
65°	12	12	12	12	12	12
75°	6	6	6	6	8	7
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°	45738.3	45738.3	45738.3	45738.3	45738.3
2.5°	41257.8	41292.7	41306.2	41346.9	41497.9
5°	29758.4	29452.4	29373.1	29576.4	29605.4
7.5°	17627.7	17689.7	17916.2	17966.5	17784.5
10°	9673.6	9752.9	9741.3	9811.0	9890.4
12.5°	4947.1	4885.2	4865.8	4945.2	4834.8
15°	2584.9	2633.3	2635.2	2588.8	2553.9
17.5°	1390.2	1446.4	1539.3	1463.8	1347.6
20°	821.0	871.3	950.7	888.7	838.4
22.5°	507.3	548.0	604.1	555.7	515.0
25°	304.0	344.7	387.3	342.7	307.9
27.5°	180.1	214.9	242.0	213.0	178.1
30°	116.2	135.5	153.0	133.6	118.1
32.5°	81.3	89.1	96.8	89.1	81.3
35°	60.0	63.9	67.8	63.9	58.1
37.5°	46.5	50.3	52.3	48.4	44.5
40°	38.7	40.7	42.6	40.7	38.7
42.5°	32.9	34.9	34.9	34.9	32.9
45°	29.0	29.0	31.0	29.0	29.0
47.5°	25.2	25.2	27.1	25.2	25.2
50°	23.2	23.2	23.2	23.2	23.2
52.5°	21.3	21.3	21.3	21.3	21.3
55°	19.4	19.4	19.4	19.4	19.4
57.5°	17.4	17.4	17.4	17.4	17.4
60°	15.5	15.5	15.5	15.5	15.5
62.5°	13.6	13.6	13.6	13.6	13.6
65°	11.6	11.6	11.6	11.6	11.6
67.5°	11.6	11.6	11.6	11.6	11.6
70°	9.7	9.7	9.7	9.7	9.7
72.5°	7.7	7.7	7.7	7.7	7.7
75°	5.8	5.8	5.8	5.8	7.7
77.5°	5.8	5.8	5.8	5.8	5.8
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
85°	1.9	1.9	1.9	1.9	1.9
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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