

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: P791213

Luminaire Tested: LER6D30D010-EC6DR1515309035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791213
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-EC6DR1515309035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3755.6 lumens
Efficiency: N/A
Efficacy: 129.5 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

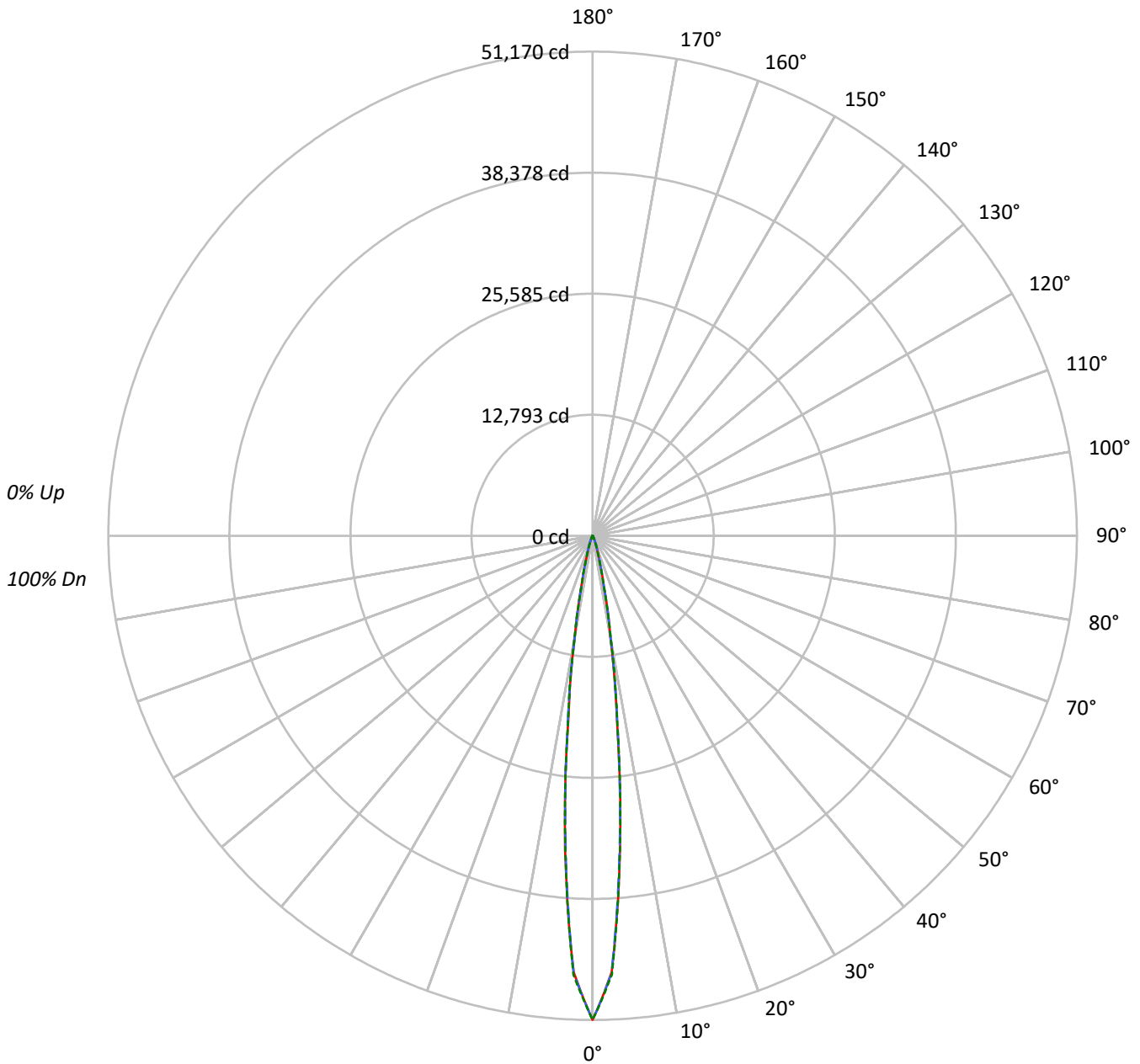
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	5757601	5757601	5757601
5°	3383440	3339627	3366051
10°	1009803	1016875	1032439
15°	251181	256071	248167
20°	75154	87027	76750
25°	26494	33747	26829
30°	9735	12812	9892
35°	4880	5505	4720
40°	3075	3387	3075
45°	2275	2429	2275
50°	1808	1808	1808
55°	1510	1510	1510
60°	1215	1215	1215
65°	928	928	928
70°	790	790	790
75°	491	491	658
80°	339	339	339
85°	183	183	183

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2429 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2435.8	64.9
10°-20°	1001.9	26.7
20°-30°	199.0	5.3
30°-40°	49.7	1.3
40°-50°	26.1	0.7
50°-60°	19.4	0.5
60°-70°	13.7	0.4
70°-80°	7.8	0.2
80°-90°	2.4	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°	3636.7	96.8
0°-40°	3686.3	98.2
0°-60°	3731.8	99.4
0°-90°	3755.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3755.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	51170	51170	51170	51170	51170	
5°	33292	32950	32861	33088	33121	2431
15°	2892	2946	2948	2896	2857	991
25°	340	386	433	383	344	179
35°	67	72	76	72	65	46
45°	32	32	35	32	32	25
55°	22	22	22	22	22	19
65°	13	13	13	13	13	14
75°	6	6	6	6	9	8
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°	51169.6	51169.6	51169.6	51169.6	51169.6
2.5°	46157.1	46196.0	46211.2	46256.7	46425.7
5°	33292.1	32949.8	32861.0	33088.5	33121.0
7.5°	19720.9	19790.3	20043.7	20100.0	19896.4
10°	10822.3	10911.1	10898.1	10976.1	11064.9
12.5°	5534.6	5465.3	5443.6	5532.4	5409.0
15°	2891.9	2946.0	2948.2	2896.2	2857.2
17.5°	1555.3	1618.1	1722.1	1637.6	1507.7
20°	918.5	974.8	1063.6	994.3	938.0
22.5°	567.5	613.0	675.8	621.7	576.2
25°	340.1	385.6	433.2	383.4	344.4
27.5°	201.5	240.4	270.8	238.3	199.3
30°	130.0	151.6	171.1	149.5	132.1
32.5°	91.0	99.6	108.3	99.6	91.0
35°	67.2	71.5	75.8	71.5	65.0
37.5°	52.0	56.3	58.5	54.2	49.8
40°	43.3	45.5	47.7	45.5	43.3
42.5°	36.8	39.0	39.0	39.0	36.8
45°	32.5	32.5	34.7	32.5	32.5
47.5°	28.2	28.2	30.3	28.2	28.2
50°	26.0	26.0	26.0	26.0	26.0
52.5°	23.8	23.8	23.8	23.8	23.8
55°	21.7	21.7	21.7	21.7	21.7
57.5°	19.5	19.5	19.5	19.5	19.5
60°	17.3	17.3	17.3	17.3	17.3
62.5°	15.2	15.2	15.2	15.2	15.2
65°	13.0	13.0	13.0	13.0	13.0
67.5°	13.0	13.0	13.0	13.0	13.0
70°	10.8	10.8	10.8	10.8	10.8
72.5°	8.7	8.7	8.7	8.7	8.7
75°	6.5	6.5	6.5	6.5	8.7
77.5°	6.5	6.5	6.5	6.5	6.5
80°	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	4.3	4.3
85°	2.2	2.2	2.2	2.2	2.2
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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