

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: P790061

Luminaire Tested: LER6D20D010-EC6DR1515309035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790061
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: LER6D20D010-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: 2259.8 lumens
Efficiency: N/A
Efficacy: 97.8 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

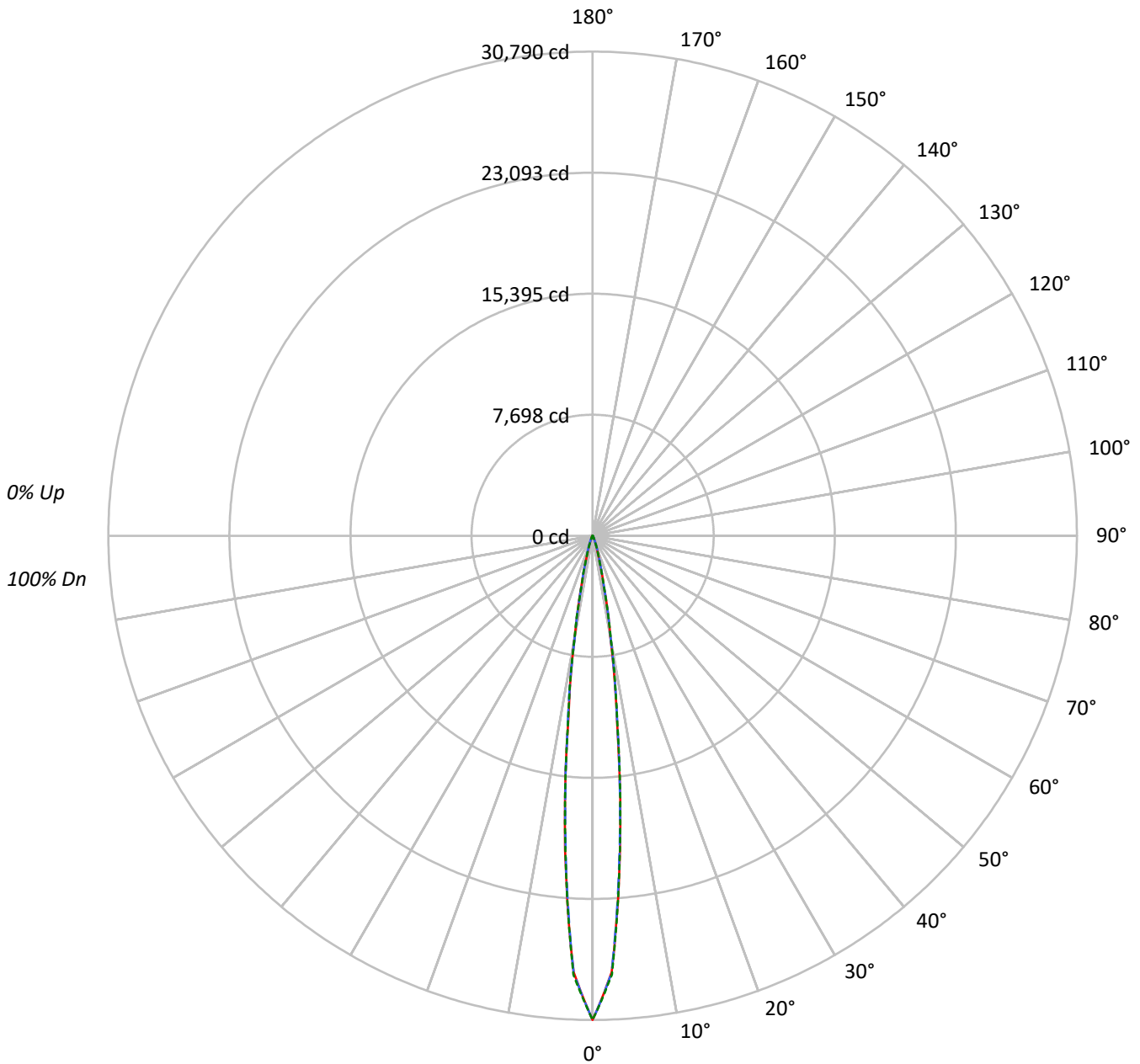
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	3464500	3464500	3464500
5°	2035901	2009539	2025434
10°	607619	611883	621242
15°	151140	154084	149324
20°	45223	52367	46181
25°	15938	20309	16141
30°	5856	7713	5953
35°	2934	3311	2839
40°	1853	2038	1853
45°	1372	1463	1372
50°	1085	1085	1085
55°	905	905	905
60°	730	730	730
65°	557	557	557
70°	475	475	475
75°	295	295	393
80°	205	205	205
85°	108	108	108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1463 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1465.7	64.9
10°-20°	602.9	26.7
20°-30°	119.7	5.3
30°-40°	29.9	1.3
40°-50°	15.7	0.7
50°-60°	11.6	0.5
60°-70°	8.2	0.4
70°-80°	4.7	0.2
80°-90°	1.4	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°	2188.3	96.8
0°-40°	2218.2	98.2
0°-60°	2245.5	99.4
0°-90°	2259.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2259.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30790	30790	30790	30790	30790	
5°	20033	19827	19773	19910	19930	1463
15°	1740	1773	1774	1743	1719	597
25°	205	232	261	231	207	107
35°	40	43	46	43	39	27
45°	20	20	21	20	20	15
55°	13	13	13	13	13	12
65°	8	8	8	8	8	8
75°	4	4	4	4	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	30790.1	30790.1	30790.1	30790.1	30790.1
2.5°	27773.9	27797.3	27806.5	27833.8	27935.5
5°	20032.7	19826.8	19773.3	19910.2	19929.7
7.5°	11866.6	11908.3	12060.8	12094.7	11972.2
10°	6512.0	6565.5	6557.7	6604.6	6658.0
12.5°	3330.3	3288.6	3275.6	3329.0	3254.7
15°	1740.1	1772.7	1774.0	1742.7	1719.2
17.5°	935.9	973.7	1036.2	985.4	907.2
20°	552.7	586.6	640.0	598.3	564.4
22.5°	341.5	368.9	406.7	374.1	346.7
25°	204.6	232.0	260.7	230.7	207.2
27.5°	121.2	144.7	162.9	143.4	119.9
30°	78.2	91.2	103.0	89.9	79.5
32.5°	54.7	60.0	65.2	60.0	54.7
35°	40.4	43.0	45.6	43.0	39.1
37.5°	31.3	33.9	35.2	32.6	30.0
40°	26.1	27.4	28.7	27.4	26.1
42.5°	22.2	23.5	23.5	23.5	22.2
45°	19.6	19.6	20.9	19.6	19.6
47.5°	16.9	16.9	18.2	16.9	16.9
50°	15.6	15.6	15.6	15.6	15.6
52.5°	14.3	14.3	14.3	14.3	14.3
55°	13.0	13.0	13.0	13.0	13.0
57.5°	11.7	11.7	11.7	11.7	11.7
60°	10.4	10.4	10.4	10.4	10.4
62.5°	9.1	9.1	9.1	9.1	9.1
65°	7.8	7.8	7.8	7.8	7.8
67.5°	7.8	7.8	7.8	7.8	7.8
70°	6.5	6.5	6.5	6.5	6.5
72.5°	5.2	5.2	5.2	5.2	5.2
75°	3.9	3.9	3.9	3.9	5.2
77.5°	3.9	3.9	3.9	3.9	3.9
80°	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3
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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