

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: P790037

Luminaire Tested: LER6D20D010-EC6DR1515309024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790037
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-EC6DR1515309024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1867.6 lumens
Efficiency: N/A
Efficacy: 80.8 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

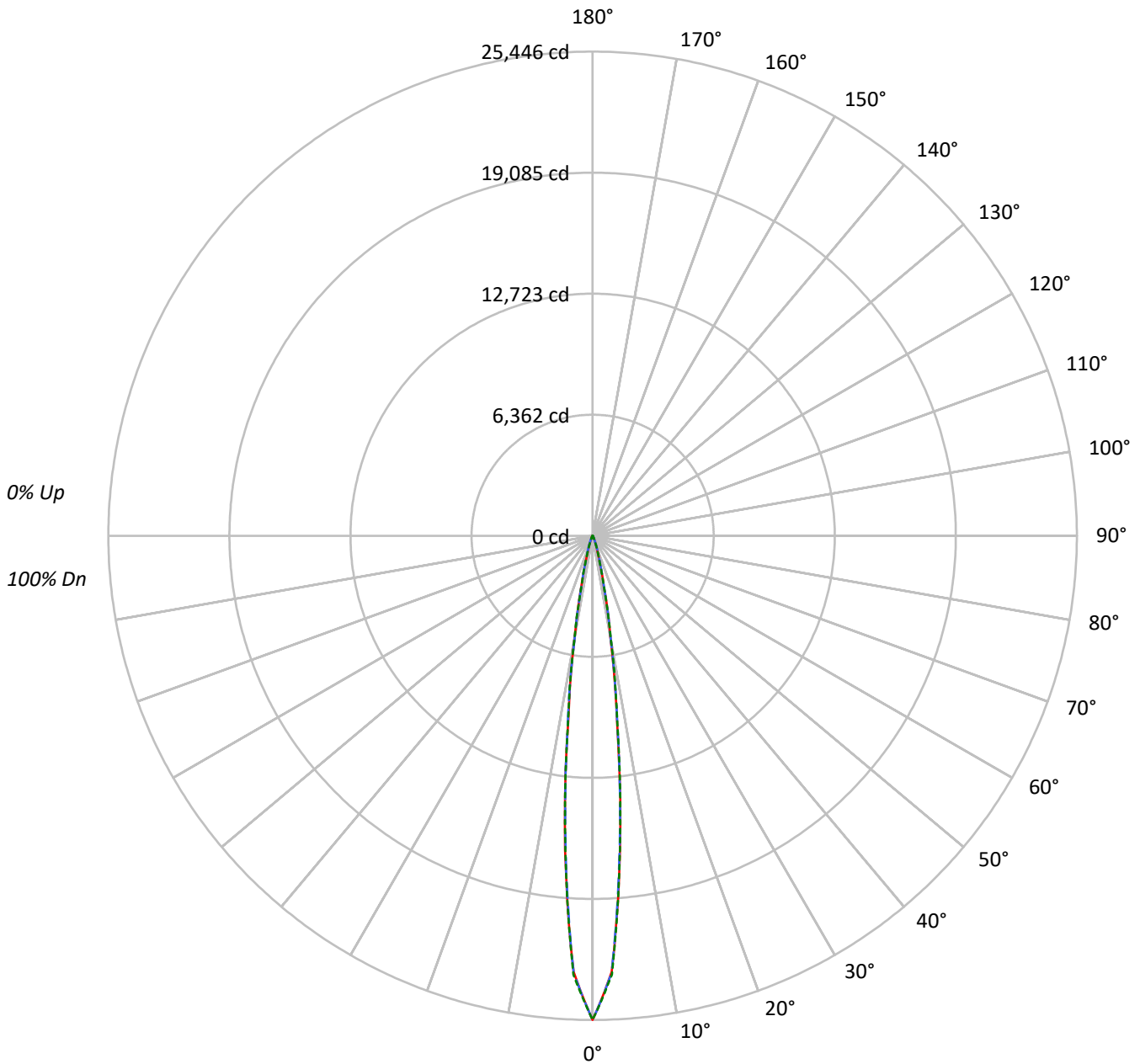
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2863138	2863138	2863138
5°	1682507	1660728	1673859
10°	502153	505671	513406
15°	124909	127341	123406
20°	37368	43276	38162
25°	13173	16780	13344
30°	4837	6372	4920
35°	2425	2738	2346
40°	1527	1683	1527
45°	1134	1204	1134
50°	897	897	897
55°	752	752	752
60°	604	604	604
65°	464	464	464
70°	395	395	395
75°	242	242	325
80°	173	173	173
85°	91	91	91

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1204 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1211.3	64.9
10°-20°	498.2	26.7
20°-30°	99.0	5.3
30°-40°	24.7	1.3
40°-50°	13.0	0.7
50°-60°	9.6	0.5
60°-70°	6.8	0.4
70°-80°	3.9	0.2
80°-90°	1.2	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°	1808.4	96.8
0°-40°	1833.1	98.2
0°-60°	1855.7	99.4
0°-90°	1867.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1867.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25446	25446	25446	25446	25446	
5°	16555	16385	16341	16454	16470	1209
15°	1438	1465	1466	1440	1421	493
25°	169	192	215	191	171	89
35°	33	36	38	36	32	23
45°	16	16	17	16	16	13
55°	11	11	11	11	11	10
65°	6	6	6	6	6	7
75°	3	3	3	3	4	4
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°	25445.6	25445.6	25445.6	25445.6	25445.6
2.5°	22952.9	22972.3	22979.9	23002.5	23086.5
5°	16555.4	16385.2	16341.1	16454.2	16470.3
7.5°	9806.8	9841.3	9967.3	9995.3	9894.1
10°	5381.7	5425.8	5419.4	5458.2	5502.3
12.5°	2752.2	2717.8	2707.0	2751.2	2689.8
15°	1438.1	1465.0	1466.1	1440.2	1420.8
17.5°	773.4	804.7	856.4	814.4	749.7
20°	456.7	484.7	528.9	494.4	466.4
22.5°	282.2	304.8	336.1	309.2	286.5
25°	169.1	191.7	215.4	190.7	171.3
27.5°	100.2	119.6	134.6	118.5	99.1
30°	64.6	75.4	85.1	74.3	65.7
32.5°	45.2	49.6	53.9	49.6	45.2
35°	33.4	35.5	37.7	35.5	32.3
37.5°	25.9	28.0	29.1	26.9	24.8
40°	21.5	22.6	23.7	22.6	21.5
42.5°	18.3	19.4	19.4	19.4	18.3
45°	16.2	16.2	17.2	16.2	16.2
47.5°	14.0	14.0	15.1	14.0	14.0
50°	12.9	12.9	12.9	12.9	12.9
52.5°	11.8	11.8	11.8	11.8	11.8
55°	10.8	10.8	10.8	10.8	10.8
57.5°	9.7	9.7	9.7	9.7	9.7
60°	8.6	8.6	8.6	8.6	8.6
62.5°	7.5	7.5	7.5	7.5	7.5
65°	6.5	6.5	6.5	6.5	6.5
67.5°	6.5	6.5	6.5	6.5	6.5
70°	5.4	5.4	5.4	5.4	5.4
72.5°	4.3	4.3	4.3	4.3	4.3
75°	3.2	3.2	3.2	3.2	4.3
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1
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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