

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: P789439

Luminaire Tested: LER6D15D010-EC6DR1515309030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789439
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: LER6D15D010-EC6DR1515309030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1410.4 lumens
Efficiency: N/A
Efficacy: 89.3 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

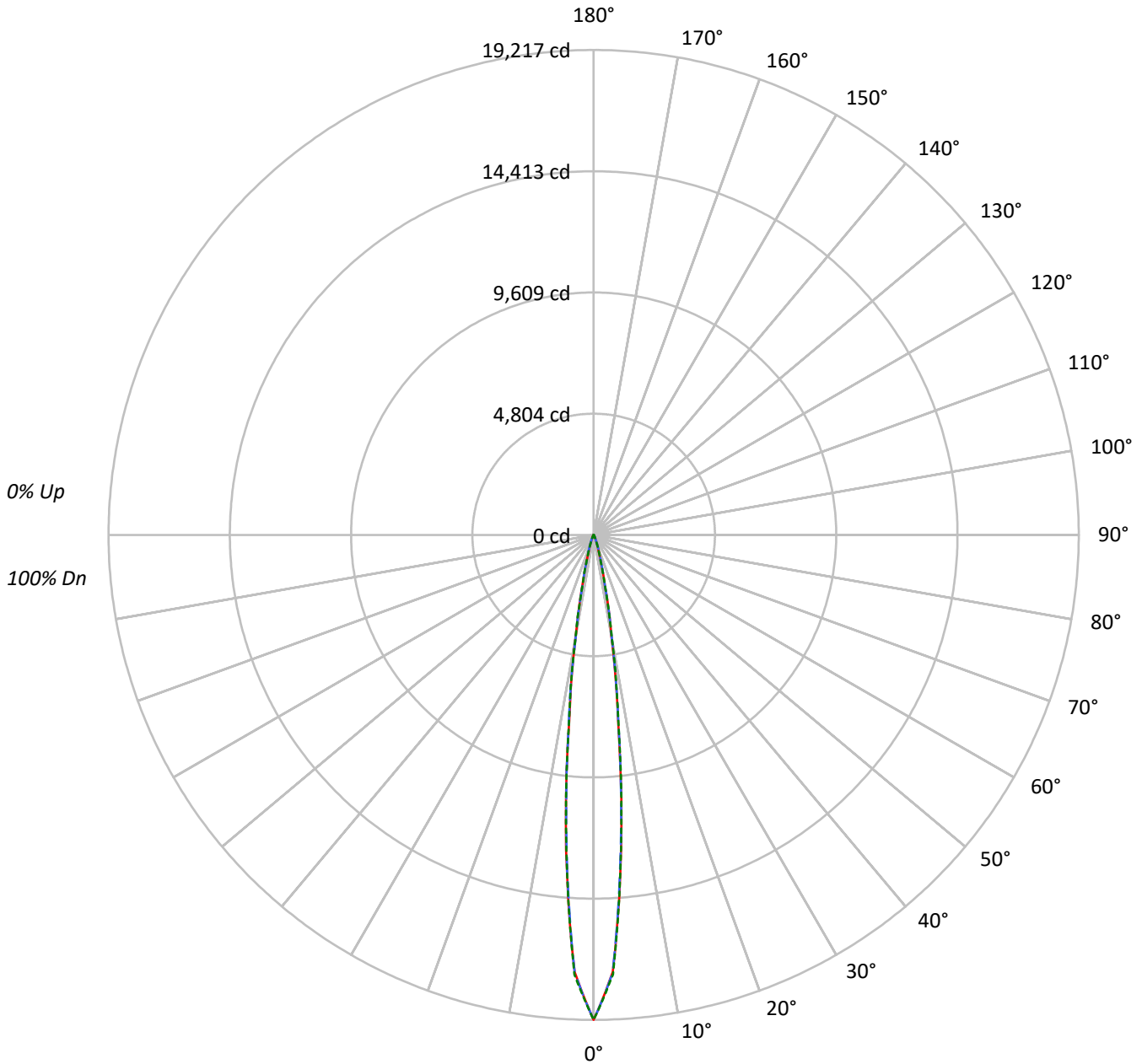
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			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°	2162341	2162341	2162341
5°	1270697	1254243	1264162
10°	379239	381899	387749
15°	94335	96168	93206
20°	28221	32680	28826
25°	9948	12674	10080
30°	3654	4815	3714
35°	1830	2070	1772
40°	1158	1271	1158
45°	854	910	854
50°	681	681	681
55°	564	564	564
60°	456	456	456
65°	350	350	350
70°	300	300	300
75°	181	181	249
80°	126	126	126
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 910 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	914.8	64.9
10°-20°	376.3	26.7
20°-30°	74.7	5.3
30°-40°	18.7	1.3
40°-50°	9.8	0.7
50°-60°	7.3	0.5
60°-70°	5.1	0.4
70°-80°	2.9	0.2
80°-90°	0.9	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°	1365.8	96.8
0°-40°	1384.4	98.2
0°-60°	1401.5	99.4
0°-90°	1410.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1410.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19217	19217	19217	19217	19217	
5°	12503	12375	12341	12427	12439	913
15°	1086	1106	1107	1088	1073	372
25°	128	145	163	144	129	67
35°	25	27	28	27	24	17
45°	12	12	13	12	12	10
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
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°	19217.4	19217.4	19217.4	19217.4	19217.4
2.5°	17334.9	17349.5	17355.2	17372.3	17435.8
5°	12503.3	12374.7	12341.4	12426.8	12439.0
7.5°	7406.5	7432.5	7527.7	7548.8	7472.4
10°	4064.4	4097.8	4092.9	4122.2	4155.6
12.5°	2078.6	2052.6	2044.4	2077.8	2031.4
15°	1086.1	1106.4	1107.2	1087.7	1073.1
17.5°	584.1	607.7	646.8	615.0	566.2
20°	344.9	366.1	399.4	373.4	352.3
22.5°	213.1	230.2	253.8	233.5	216.4
25°	127.7	144.8	162.7	144.0	129.4
27.5°	75.7	90.3	101.7	89.5	74.8
30°	48.8	56.9	64.3	56.1	49.6
32.5°	34.2	37.4	40.7	37.4	34.2
35°	25.2	26.8	28.5	26.8	24.4
37.5°	19.5	21.2	22.0	20.3	18.7
40°	16.3	17.1	17.9	17.1	16.3
42.5°	13.8	14.6	14.6	14.6	13.8
45°	12.2	12.2	13.0	12.2	12.2
47.5°	10.6	10.6	11.4	10.6	10.6
50°	9.8	9.8	9.8	9.8	9.8
52.5°	8.9	8.9	8.9	8.9	8.9
55°	8.1	8.1	8.1	8.1	8.1
57.5°	7.3	7.3	7.3	7.3	7.3
60°	6.5	6.5	6.5	6.5	6.5
62.5°	5.7	5.7	5.7	5.7	5.7
65°	4.9	4.9	4.9	4.9	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.1	4.1	4.1	4.1	4.1
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.4	2.4	2.4	2.4	3.3
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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