

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: P789581

Luminaire Tested: LER6D15D010-EC6DR300215IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR300215IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2499.3 lumens
Efficiency: N/A
Efficacy: 158.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

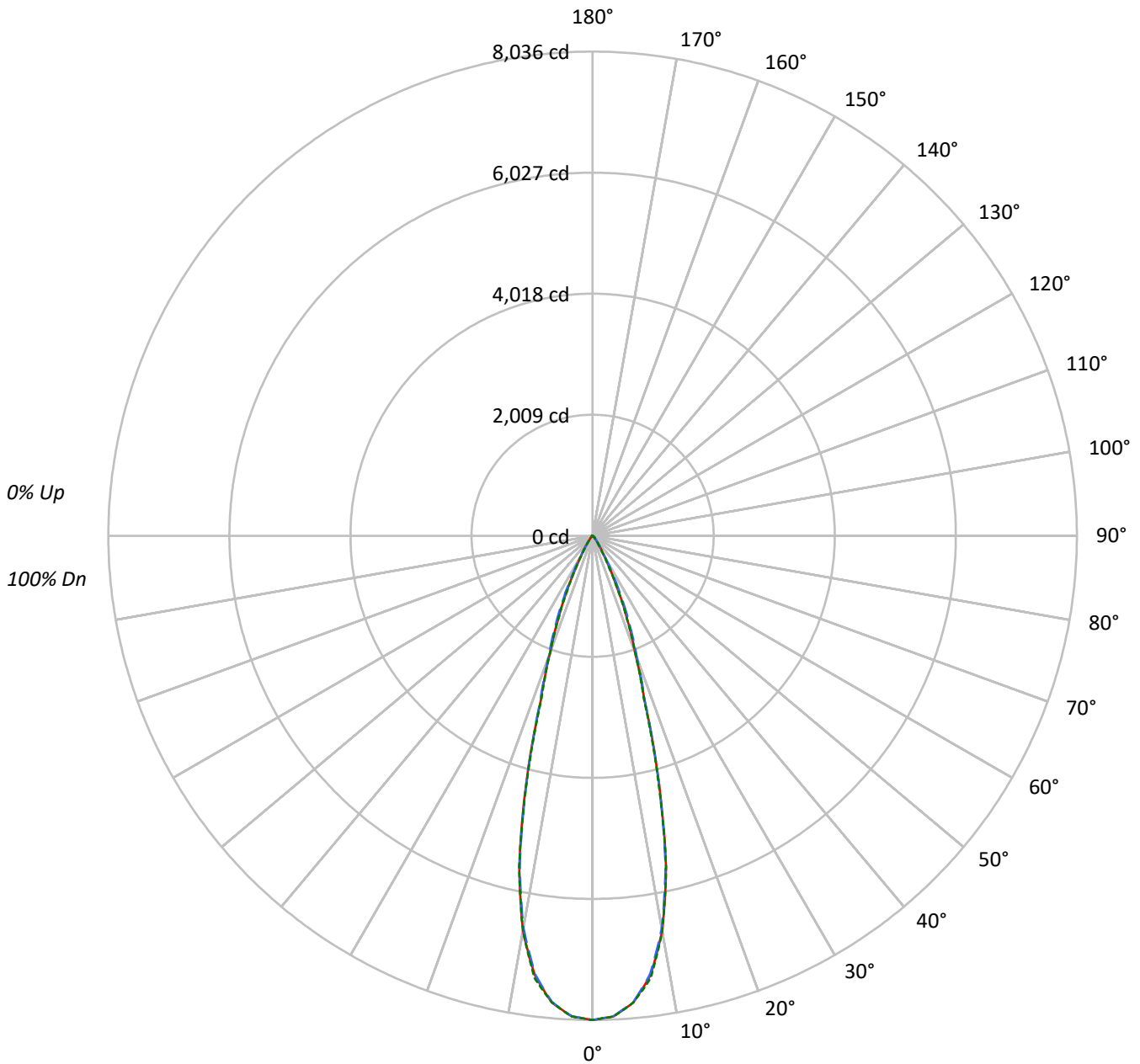
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	615141	615141	615141
5°	597483	596791	597513
10°	517511	513866	517387
15°	337649	335834	334146
20°	167897	174201	167677
25°	84575	95376	82843
30°	33860	36901	29503
35°	15708	15044	12605
40°	6785	7534	6385
45°	4785	5932	4828
50°	1643	4323	1739
55°	947	1788	1001
60°	658	781	658
65°	435	435	435
70°	269	179	269
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5932 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.7	28.3
10°-20°	1138.1	45.5
20°-30°	491.8	19.7
30°-40°	112.1	4.5
40°-50°	38.5	1.5
50°-60°	9.4	0.4
60°-70°	2.5	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
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°	2336.6	93.5
0°-40°	2448.7	98.0
0°-60°	2496.6	99.9
0°-90°	2499.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2499.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8036	8036	8036	8036	8036	
5°	7776	7769	7767	7783	7776	707
15°	4261	4210	4238	4224	4217	1141
25°	1001	1039	1129	1013	981	479
35°	168	172	161	160	135	114
45°	44	55	55	55	45	31
55°	7	8	13	8	8	7
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8036.5	8036.5	8036.5	8036.5	8036.5
2.5°	7983.3	7977.8	7980.9	7984.9	7986.4
5°	7776.1	7768.6	7767.1	7783.2	7776.5
7.5°	7358.3	7347.6	7331.5	7368.2	7402.5
10°	6658.3	6646.5	6611.4	6628.7	6656.7
12.5°	5625.0	5586.7	5585.9	5641.1	5633.6
15°	4260.9	4209.6	4238.0	4224.2	4216.7
17.5°	2865.3	2845.6	2883.5	2872.1	2822.7
20°	2061.2	2066.3	2138.6	2102.3	2058.5
22.5°	1504.1	1522.6	1608.3	1514.7	1480.4
25°	1001.4	1039.3	1129.3	1012.9	980.9
27.5°	615.9	633.3	724.4	608.0	590.7
30°	383.1	374.4	417.5	358.3	333.8
32.5°	251.3	240.3	254.1	228.1	208.3
35°	168.1	171.6	161.0	159.8	134.9
37.5°	105.0	120.7	106.5	113.6	86.8
40°	67.9	87.6	75.4	83.3	63.9
42.5°	55.6	67.5	61.9	65.9	56.8
45°	44.2	54.8	54.8	54.8	44.6
47.5°	24.5	36.7	47.0	37.5	26.0
50°	13.8	18.5	36.3	19.3	14.6
52.5°	9.5	10.7	24.9	11.0	9.9
55°	7.1	7.5	13.4	7.9	7.5
57.5°	5.5	5.9	7.1	5.9	5.5
60°	4.3	4.3	5.1	4.7	4.3
62.5°	3.2	3.2	3.6	3.2	3.2
65°	2.4	2.4	2.4	2.4	2.4
67.5°	1.2	1.6	1.6	1.6	1.6
70°	1.2	0.8	0.8	0.8	1.2
72.5°	0.8	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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