

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: P789607

Luminaire Tested: LER6D15D010-EC6DR300215IC9050-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789607  
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-EC6DR300215IC9050-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2686.2 lumens  
Efficiency: N/A  
Efficacy: 170.0 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

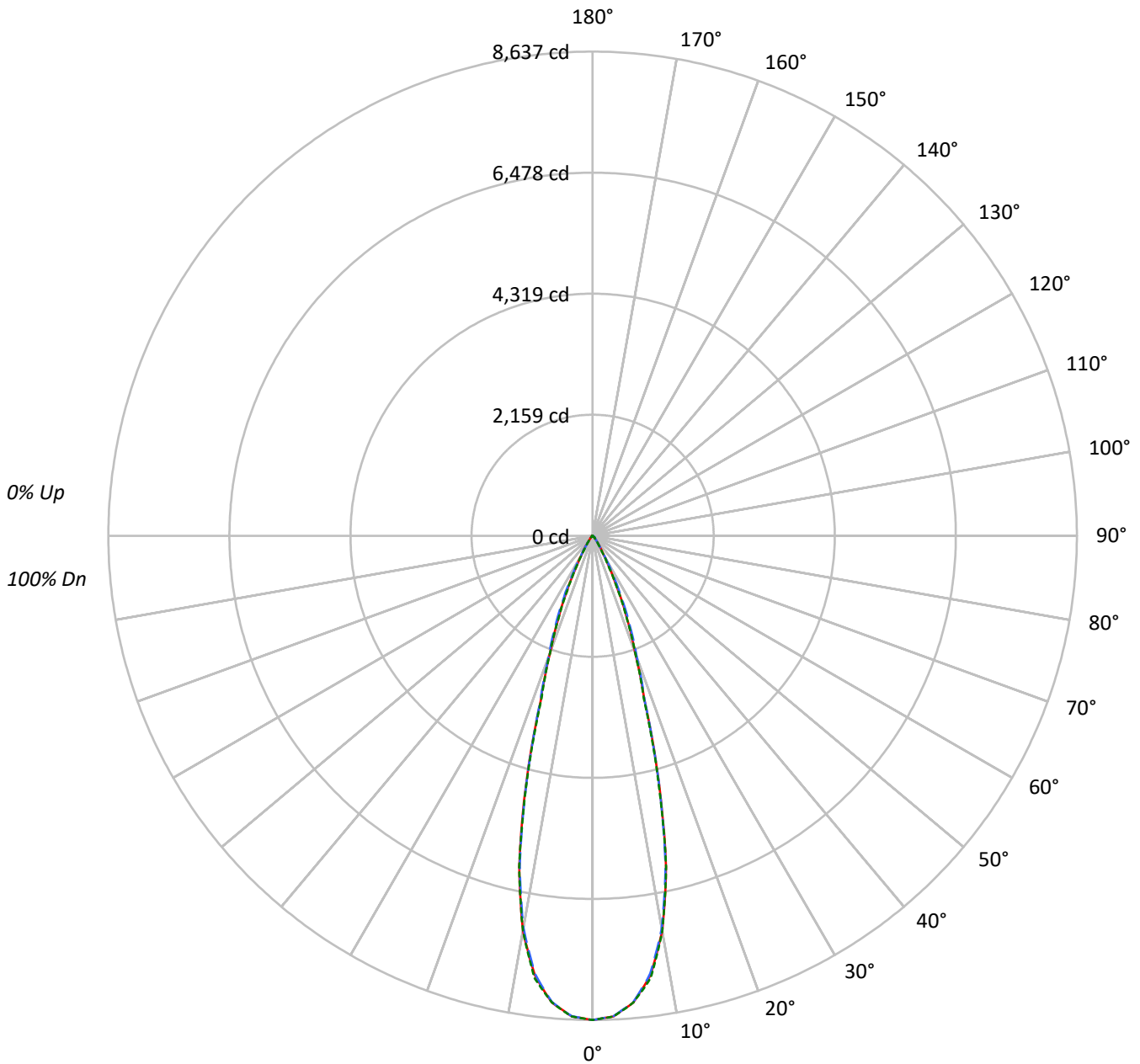
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	661136	661136	661136
5°	642155	641402	642186
10°	556202	552277	556070
15°	362896	360946	359132
20°	180449	187218	180205
25°	90900	102505	89034
30°	36397	39658	31712
35°	16885	16166	13549
40°	7284	8094	6865
45°	5142	6376	5185
50°	1762	4644	1870
55°	1014	1922	1081
60°	720	842	720
65°	453	453	453
70°	291	179	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 6376 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	759.5	28.3
10°-20°	1223.2	45.5
20°-30°	528.6	19.7
30°-40°	120.5	4.5
40°-50°	41.4	1.5
50°-60°	10.1	0.4
60°-70°	2.6	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°	2511.3	93.5
0°-40°	2631.8	98.0
0°-60°	2683.3	99.9
0°-90°	2686.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2686.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8637	8637	8637	8637	8637	
5°	8358	8349	8348	8365	8358	760
15°	4580	4524	4555	4540	4532	1226
25°	1076	1117	1214	1089	1054	515
35°	181	184	173	172	145	123
45°	48	59	59	59	48	34
55°	8	8	14	8	8	7
65°	2	2	2	2	2	3
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°	8637.4	8637.4	8637.4	8637.4	8637.4
2.5°	8580.1	8574.2	8577.6	8581.8	8583.5
5°	8357.5	8349.4	8347.7	8365.1	8357.9
7.5°	7908.4	7896.9	7879.5	7919.0	7955.9
10°	7156.1	7143.4	7105.6	7124.3	7154.4
12.5°	6045.5	6004.3	6003.5	6062.9	6054.8
15°	4579.5	4524.3	4554.9	4540.0	4532.0
17.5°	3079.6	3058.4	3099.1	3086.8	3033.8
20°	2215.3	2220.8	2298.4	2259.4	2212.3
22.5°	1616.5	1636.5	1728.5	1628.0	1591.1
25°	1076.3	1117.0	1213.7	1088.6	1054.2
27.5°	662.0	680.6	778.6	653.5	634.8
30°	411.8	402.4	448.7	385.1	358.8
32.5°	270.1	258.3	273.1	245.1	223.9
35°	180.7	184.5	173.0	171.7	145.0
37.5°	112.8	129.8	114.5	122.1	93.3
40°	72.9	94.1	81.0	89.5	68.7
42.5°	59.8	72.5	66.6	70.8	61.1
45°	47.5	58.9	58.9	58.9	47.9
47.5°	26.3	39.4	50.5	40.3	28.0
50°	14.8	19.9	39.0	20.8	15.7
52.5°	10.2	11.4	26.7	11.9	10.6
55°	7.6	8.1	14.4	8.5	8.1
57.5°	5.9	6.4	7.6	6.4	5.9
60°	4.7	4.7	5.5	5.1	4.7
62.5°	3.4	3.4	3.8	3.4	3.4
65°	2.5	2.5	2.5	2.5	2.5
67.5°	1.3	1.7	1.7	1.7	1.7
70°	1.3	0.8	0.8	0.8	1.3
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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(END OF REPORT)