

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: P789573

Luminaire Tested: LER6D15D010-EC6DR300215IC9027-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789573  
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-EC6DR300215IC9027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2420.5 lumens  
Efficiency: N/A  
Efficacy: 153.2 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<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

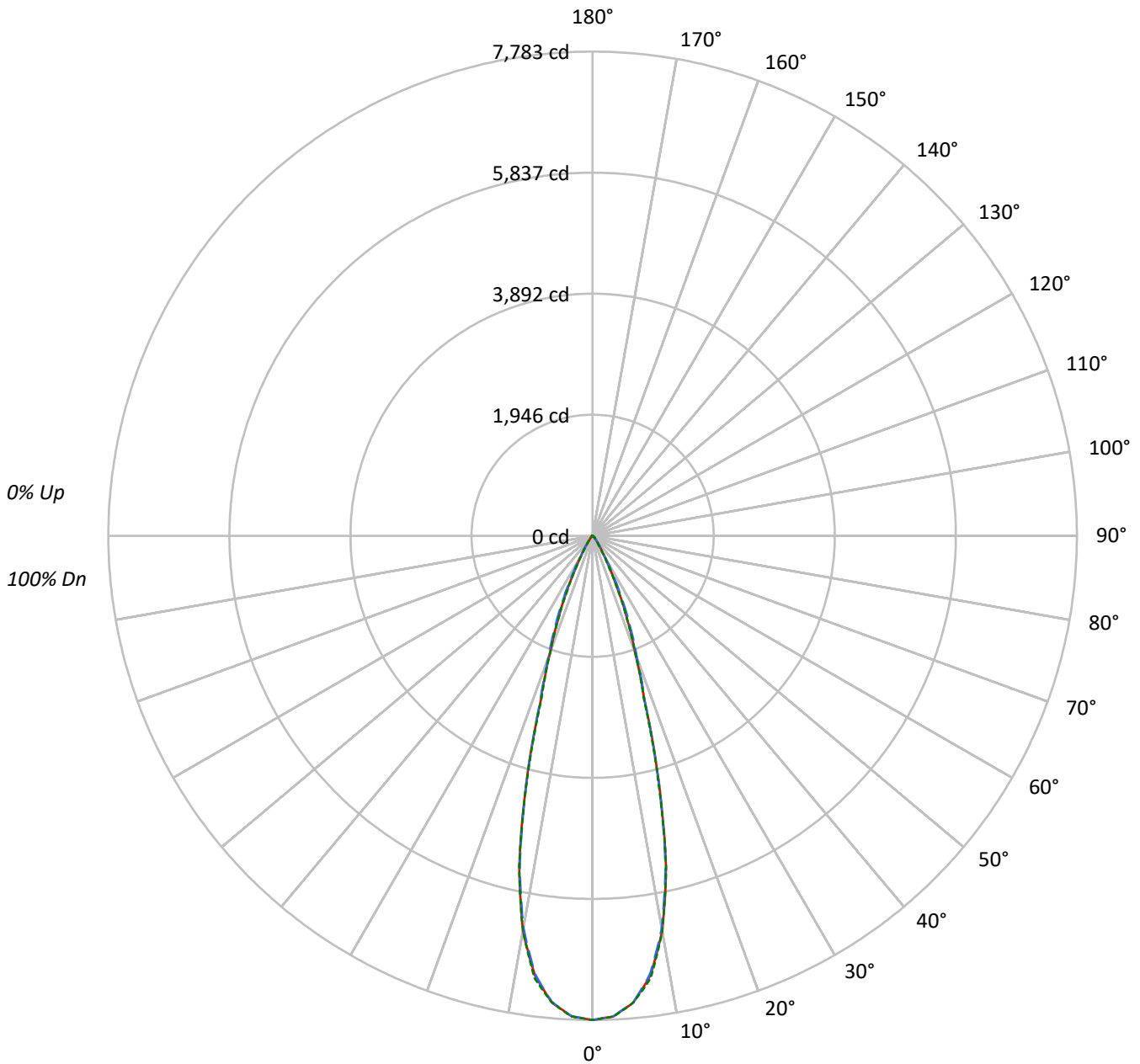


Downlight

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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°	595745	595745	595745
5°	578643	577974	578673
10°	501197	497660	501072
15°	327006	325247	323615
20°	162602	168703	162390
25°	81906	92361	80233
30°	32791	35734	28575
35°	15212	14568	12213
40°	6565	7294	6185
45°	4633	5748	4676
50°	1596	4192	1679
55°	921	1735	974
60°	643	765	643
65°	417	417	417
70°	246	179	246
75°	0	118	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 5748 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	684.4	28.3
10°-20°	1102.2	45.5
20°-30°	476.3	19.7
30°-40°	108.6	4.5
40°-50°	37.3	1.5
50°-60°	9.1	0.4
60°-70°	2.4	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°	2263.0	93.5
0°-40°	2371.5	98.0
0°-60°	2417.9	99.9
0°-90°	2420.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2420.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7783	7783	7783	7783	7783	
5°	7531	7524	7522	7538	7531	685
15°	4127	4077	4104	4091	4084	1105
25°	970	1006	1094	981	950	464
35°	163	166	156	155	131	110
45°	43	53	53	53	43	30
55°	7	7	13	8	7	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7783.1	7783.1	7783.1	7783.1	7783.1
2.5°	7731.6	7726.2	7729.3	7733.1	7734.6
5°	7530.9	7523.7	7522.2	7537.8	7531.3
7.5°	7126.3	7116.0	7100.3	7135.8	7169.1
10°	6448.4	6436.9	6402.9	6419.7	6446.8
12.5°	5447.6	5410.5	5409.8	5463.3	5456.0
15°	4126.6	4076.9	4104.4	4091.0	4083.8
17.5°	2775.0	2755.9	2792.6	2781.5	2733.7
20°	1996.2	2001.2	2071.1	2036.0	1993.6
22.5°	1456.7	1474.6	1557.5	1467.0	1433.7
25°	969.8	1006.5	1093.6	980.9	950.0
27.5°	596.5	613.3	701.6	588.9	572.0
30°	371.0	362.6	404.3	347.0	323.3
32.5°	243.4	232.7	246.1	220.9	201.8
35°	162.8	166.2	155.9	154.8	130.7
37.5°	101.6	116.9	103.2	110.1	84.1
40°	65.7	84.8	73.0	80.6	61.9
42.5°	53.9	65.3	60.0	63.8	55.0
45°	42.8	53.1	53.1	53.1	43.2
47.5°	23.7	35.5	45.5	36.3	25.2
50°	13.4	18.0	35.2	18.7	14.1
52.5°	9.2	10.3	24.1	10.7	9.6
55°	6.9	7.3	13.0	7.6	7.3
57.5°	5.3	5.7	6.9	5.7	5.3
60°	4.2	4.2	5.0	4.6	4.2
62.5°	3.1	3.1	3.4	3.1	3.1
65°	2.3	2.3	2.3	2.3	2.3
67.5°	1.1	1.5	1.5	1.5	1.5
70°	1.1	0.8	0.8	0.8	1.1
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)