

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: P789595

Luminaire Tested: LER6D15D010-EC6DR300215IC9040-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789595  
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-EC6DR300215IC9040-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2582.3 lumens  
Efficiency: N/A  
Efficacy: 163.4 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

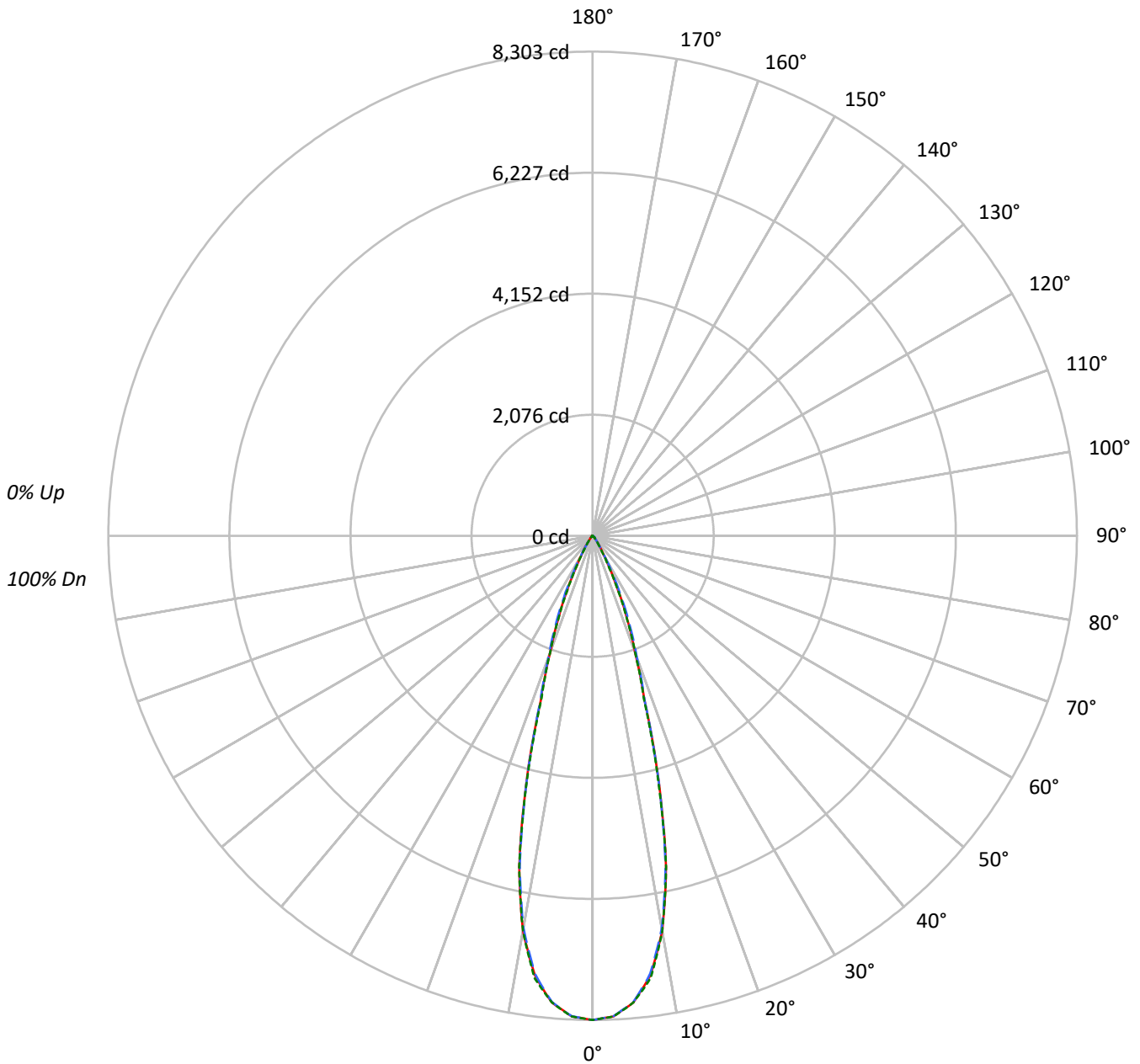


Downlight

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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°	635570	635570	635570
5°	617322	616607	617352
10°	534696	530926	534572
15°	348862	346992	345248
20°	173476	179985	173240
25°	87387	98535	85596
30°	34983	38120	30484
35°	16231	15539	13026
40°	7004	7784	6595
45°	4947	6138	4990
50°	1703	4466	1798
55°	974	1855	1028
60°	689	811	689
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: 6138 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	730.2	28.3
10°-20°	1175.9	45.5
20°-30°	508.2	19.7
30°-40°	115.8	4.5
40°-50°	39.8	1.5
50°-60°	9.7	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°	2414.2	93.5
0°-40°	2530.0	98.0
0°-60°	2579.5	99.9
0°-90°	2582.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2582.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8303	8303	8303	8303	8303	
5°	8034	8027	8025	8042	8035	731
15°	4402	4349	4379	4364	4357	1179
25°	1035	1074	1167	1046	1014	495
35°	174	177	166	165	139	118
45°	46	57	57	57	46	32
55°	7	8	14	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8303.4	8303.4	8303.4	8303.4	8303.4
2.5°	8248.4	8242.7	8245.9	8250.0	8251.6
5°	8034.3	8026.6	8025.0	8041.7	8034.7
7.5°	7602.6	7591.6	7574.9	7612.8	7648.3
10°	6879.4	6867.2	6830.9	6848.8	6877.8
12.5°	5811.7	5772.2	5771.4	5828.4	5820.7
15°	4402.4	4349.4	4378.8	4364.5	4356.8
17.5°	2960.5	2940.1	2979.2	2967.4	2916.5
20°	2129.7	2135.0	2209.6	2172.1	2126.8
22.5°	1554.0	1573.2	1661.7	1565.0	1529.6
25°	1034.7	1073.8	1166.7	1046.5	1013.5
27.5°	636.4	654.3	748.5	628.2	610.3
30°	395.8	386.9	431.3	370.2	344.9
32.5°	259.7	248.3	262.5	235.6	215.2
35°	173.7	177.3	166.3	165.1	139.4
37.5°	108.4	124.7	110.1	117.4	89.7
40°	70.1	90.5	77.9	86.0	66.0
42.5°	57.5	69.7	64.0	68.1	58.7
45°	45.7	56.7	56.7	56.7	46.1
47.5°	25.3	37.9	48.5	38.7	26.9
50°	14.3	19.2	37.5	20.0	15.1
52.5°	9.8	11.0	25.7	11.4	10.2
55°	7.3	7.7	13.9	8.2	7.7
57.5°	5.7	6.1	7.3	6.1	5.7
60°	4.5	4.5	5.3	4.9	4.5
62.5°	3.3	3.3	3.7	3.3	3.3
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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(END OF REPORT)