

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: P788967

Luminaire Tested: LER6D10D010-EC6DR300210IC9035-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788967  
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: LER6D10D010-EC6DR300210IC9035-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1505.6 lumens  
Efficiency: N/A  
Efficacy: 128.7 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): 11.7  
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

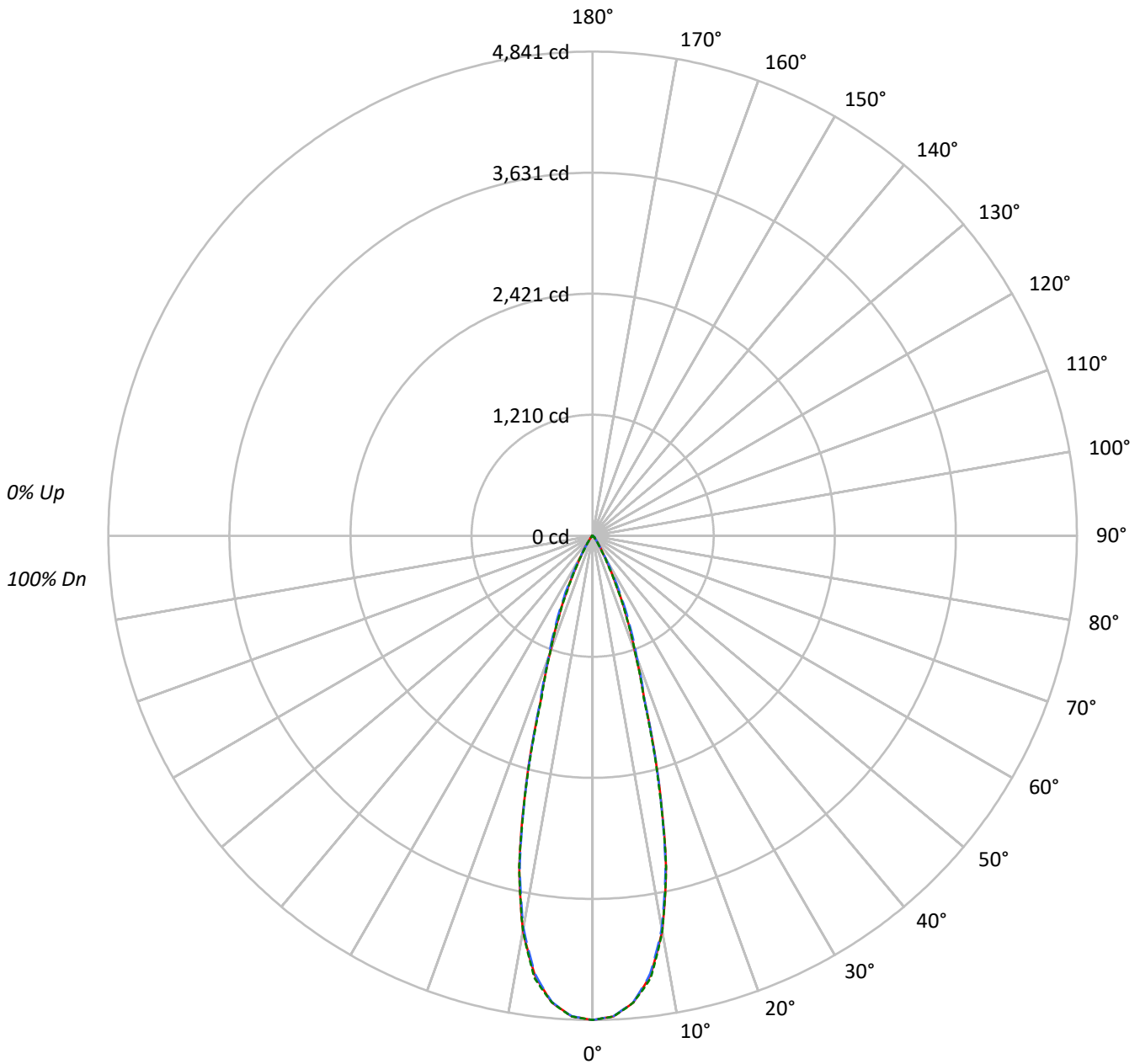


Downlight

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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°	370554	370554	370554
5°	359922	359499	359937
10°	311744	309544	311674
15°	203394	202309	201287
20°	101144	104931	101005
25°	50944	57456	49905
30°	20399	22229	17774
35°	9466	9064	7597
40°	4087	4536	3847
45°	2879	3572	2912
50°	988	2608	1048
55°	574	1081	601
60°	398	475	398
65°	254	254	254
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 3572 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	425.7	28.3
10°-20°	685.6	45.5
20°-30°	296.3	19.7
30°-40°	67.5	4.5
40°-50°	23.2	1.5
50°-60°	5.7	0.4
60°-70°	1.5	0.1
70°-80°	0.1	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°	1407.6	93.5
0°-40°	1475.1	98.0
0°-60°	1504.0	99.9
0°-90°	1505.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1505.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4841	4841	4841	4841	4841	
5°	4684	4680	4679	4688	4684	426
15°	2567	2536	2553	2545	2540	687
25°	603	626	680	610	591	289
35°	101	103	97	96	81	69
45°	27	33	33	33	27	19
55°	4	4	8	5	4	4
65°	1	1	1	1	1	1
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°	4841.1	4841.1	4841.1	4841.1	4841.1
2.5°	4809.1	4805.7	4807.6	4810.0	4811.0
5°	4684.3	4679.8	4678.8	4688.5	4684.5
7.5°	4432.6	4426.1	4416.4	4438.5	4459.2
10°	4010.9	4003.8	3982.6	3993.1	4010.0
12.5°	3388.4	3365.4	3364.9	3398.2	3393.6
15°	2566.7	2535.8	2553.0	2544.6	2540.1
17.5°	1726.1	1714.2	1737.0	1730.1	1700.4
20°	1241.7	1244.7	1288.2	1266.4	1240.0
22.5°	906.1	917.2	968.8	912.5	891.8
25°	603.2	626.1	680.3	610.1	590.9
27.5°	371.0	381.5	436.4	366.3	355.8
30°	230.8	225.6	251.5	215.8	201.1
32.5°	151.4	144.7	153.1	137.4	125.5
35°	101.3	103.4	97.0	96.3	81.3
37.5°	63.2	72.7	64.2	68.5	52.3
40°	40.9	52.8	45.4	50.2	38.5
42.5°	33.5	40.6	37.3	39.7	34.2
45°	26.6	33.0	33.0	33.0	26.9
47.5°	14.7	22.1	28.3	22.6	15.7
50°	8.3	11.2	21.9	11.6	8.8
52.5°	5.7	6.4	15.0	6.7	5.9
55°	4.3	4.5	8.1	4.8	4.5
57.5°	3.3	3.6	4.3	3.6	3.3
60°	2.6	2.6	3.1	2.9	2.6
62.5°	1.9	1.9	2.1	1.9	1.9
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	1.0	1.0	1.0	1.0
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)