

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: P788986

Luminaire Tested: LER6D10D010-EC6DR300210IC9050-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788986  
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-EC6DR300210IC9050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1694.1 lumens  
Efficiency: N/A  
Efficacy: 144.8 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

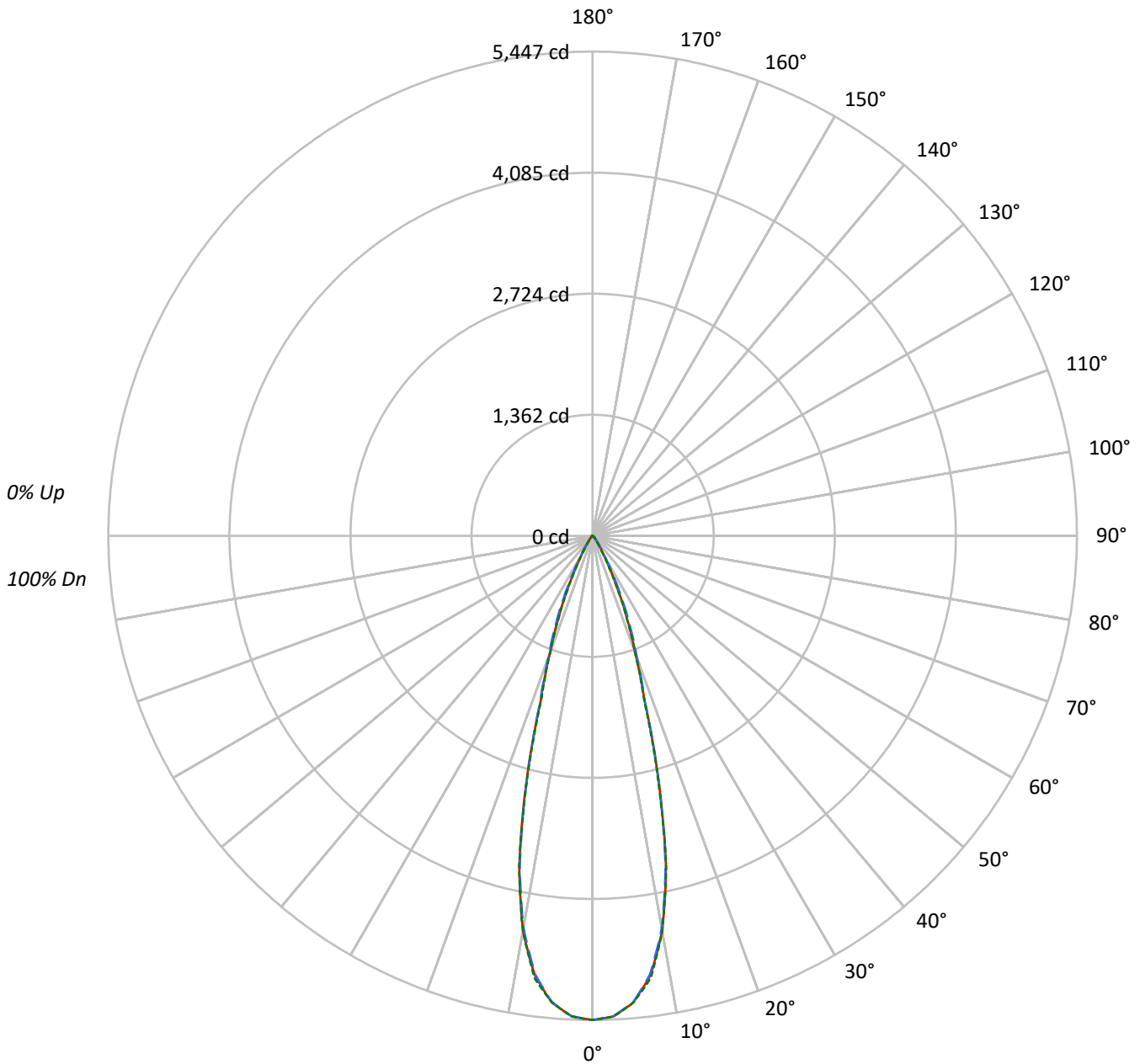


Downlight

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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°	416962	416962	416962
5°	404994	404517	405009
10°	350785	348313	350699
15°	228871	227643	226494
20°	113802	118078	113655
25°	57329	64643	56155
30°	22954	25013	20001
35°	10643	10195	8550
40°	4596	5106	4327
45°	3247	4027	3269
50°	1119	2929	1179
55°	641	1214	681
60°	444	536	444
65°	290	290	290
70°	179	112	179
75°	0	89	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4027 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	479.0	28.3
10°-20°	771.5	45.5
20°-30°	333.4	19.7
30°-40°	76.0	4.5
40°-50°	26.1	1.5
50°-60°	6.4	0.4
60°-70°	1.6	0.1
70°-80°	0.2	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°	1583.8	93.5
0°-40°	1659.8	98.0
0°-60°	1692.3	99.9
0°-90°	1694.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1694.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5447	5447	5447	5447	5447	
5°	5271	5266	5265	5276	5271	479
15°	2888	2853	2873	2863	2858	773
25°	679	704	765	686	665	325
35°	114	116	109	108	92	77
45°	30	37	37	37	30	21
55°	5	5	9	5	5	5
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°	5447.4	5447.4	5447.4	5447.4	5447.4
2.5°	5411.3	5407.5	5409.7	5412.3	5413.4
5°	5270.9	5265.8	5264.7	5275.7	5271.1
7.5°	4987.6	4980.4	4969.4	4994.3	5017.6
10°	4513.2	4505.2	4481.4	4493.1	4512.1
12.5°	3812.7	3786.8	3786.3	3823.7	3818.6
15°	2888.2	2853.4	2872.7	2863.3	2858.2
17.5°	1942.2	1928.8	1954.5	1946.8	1913.3
20°	1397.1	1400.6	1449.6	1425.0	1395.3
22.5°	1019.5	1032.1	1090.1	1026.7	1003.5
25°	678.8	704.5	765.4	686.5	664.9
27.5°	417.5	429.3	491.0	412.1	400.4
30°	259.7	253.8	283.0	242.8	226.3
32.5°	170.4	162.9	172.2	154.6	141.2
35°	113.9	116.3	109.1	108.3	91.5
37.5°	71.1	81.8	72.2	77.0	58.8
40°	46.0	59.4	51.1	56.4	43.3
42.5°	37.7	45.7	42.0	44.7	38.5
45°	30.0	37.2	37.2	37.2	30.2
47.5°	16.6	24.9	31.8	25.4	17.7
50°	9.4	12.6	24.6	13.1	9.9
52.5°	6.4	7.2	16.8	7.5	6.7
55°	4.8	5.1	9.1	5.3	5.1
57.5°	3.7	4.0	4.8	4.0	3.7
60°	2.9	2.9	3.5	3.2	2.9
62.5°	2.1	2.1	2.4	2.1	2.1
65°	1.6	1.6	1.6	1.6	1.6
67.5°	0.8	1.1	1.1	1.1	1.1
70°	0.8	0.5	0.5	0.5	0.8
72.5°	0.5	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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)