

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: P788978

Luminaire Tested: LER6D10D010-EC6DR300210IC9040-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788978  
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-EC6DR300210IC9040-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1714.3 lumens  
Efficiency: N/A  
Efficacy: 146.5 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

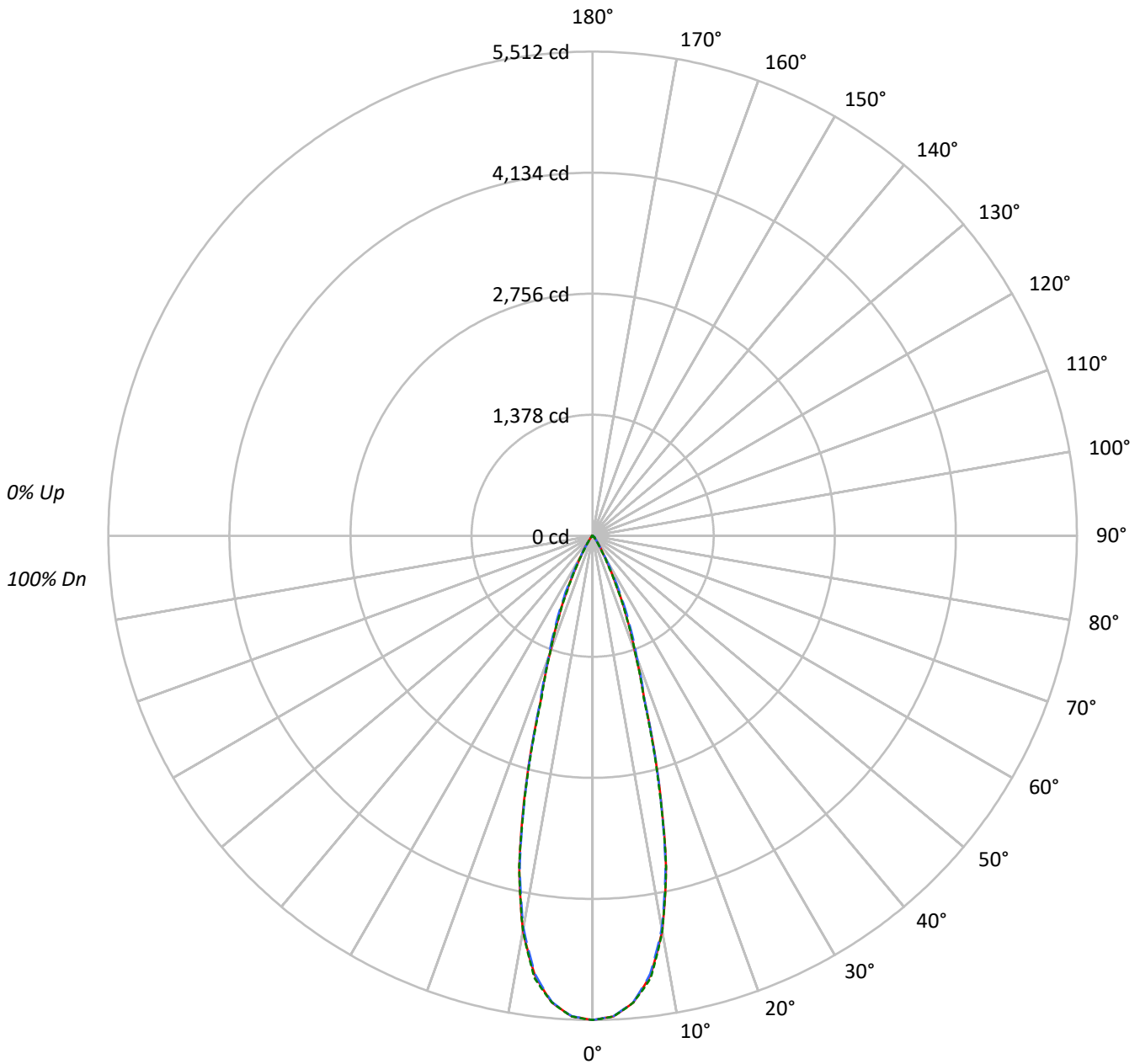


Downlight

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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°	421938	421938	421938
5°	409827	409343	409842
10°	354966	352464	354889
15°	231597	230353	229196
20°	115162	119487	115007
25°	58013	65420	56822
30°	23227	25305	20240
35°	10774	10316	8653
40°	4646	5166	4377
45°	3280	4070	3312
50°	1131	2965	1191
55°	654	1228	681
60°	459	536	459
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: 4070 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	484.7	28.3
10°-20°	780.7	45.5
20°-30°	337.3	19.7
30°-40°	76.9	4.5
40°-50°	26.4	1.5
50°-60°	6.5	0.4
60°-70°	1.7	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°	1602.7	93.5
0°-40°	1679.6	98.0
0°-60°	1712.5	99.9
0°-90°	1714.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1714.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5512	5512	5512	5512	5512	
5°	5334	5329	5328	5339	5334	485
15°	2923	2887	2907	2898	2892	783
25°	687	713	775	695	673	329
35°	115	118	110	110	93	78
45°	30	38	38	38	31	22
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5512.4	5512.4	5512.4	5512.4	5512.4
2.5°	5475.8	5472.1	5474.2	5476.9	5478.0
5°	5333.8	5328.6	5327.5	5338.6	5334.0
7.5°	5047.2	5039.8	5028.7	5053.9	5077.5
10°	4567.0	4558.9	4534.8	4546.7	4566.0
12.5°	3858.2	3832.0	3831.4	3869.3	3864.2
15°	2922.6	2887.4	2906.9	2897.5	2892.3
17.5°	1965.4	1951.8	1977.8	1970.0	1936.2
20°	1413.8	1417.3	1466.9	1442.0	1411.9
22.5°	1031.7	1044.4	1103.1	1039.0	1015.4
25°	686.9	712.9	774.6	694.7	672.8
27.5°	422.5	434.4	496.9	417.1	405.1
30°	262.8	256.8	286.3	245.7	229.0
32.5°	172.4	164.8	174.3	156.4	142.9
35°	115.3	117.7	110.4	109.6	92.6
37.5°	72.0	82.8	73.1	77.9	59.5
40°	46.5	60.1	51.7	57.1	43.8
42.5°	38.2	46.3	42.5	45.2	39.0
45°	30.3	37.6	37.6	37.6	30.6
47.5°	16.8	25.2	32.2	25.7	17.9
50°	9.5	12.7	24.9	13.3	10.0
52.5°	6.5	7.3	17.1	7.6	6.8
55°	4.9	5.1	9.2	5.4	5.1
57.5°	3.8	4.1	4.9	4.1	3.8
60°	3.0	3.0	3.5	3.2	3.0
62.5°	2.2	2.2	2.4	2.2	2.2
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)