

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: P788834

Luminaire Tested: LER6D10D010-EC6DR150210IC9040-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D10D010-EC6DR150210IC9040-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1103.0 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
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

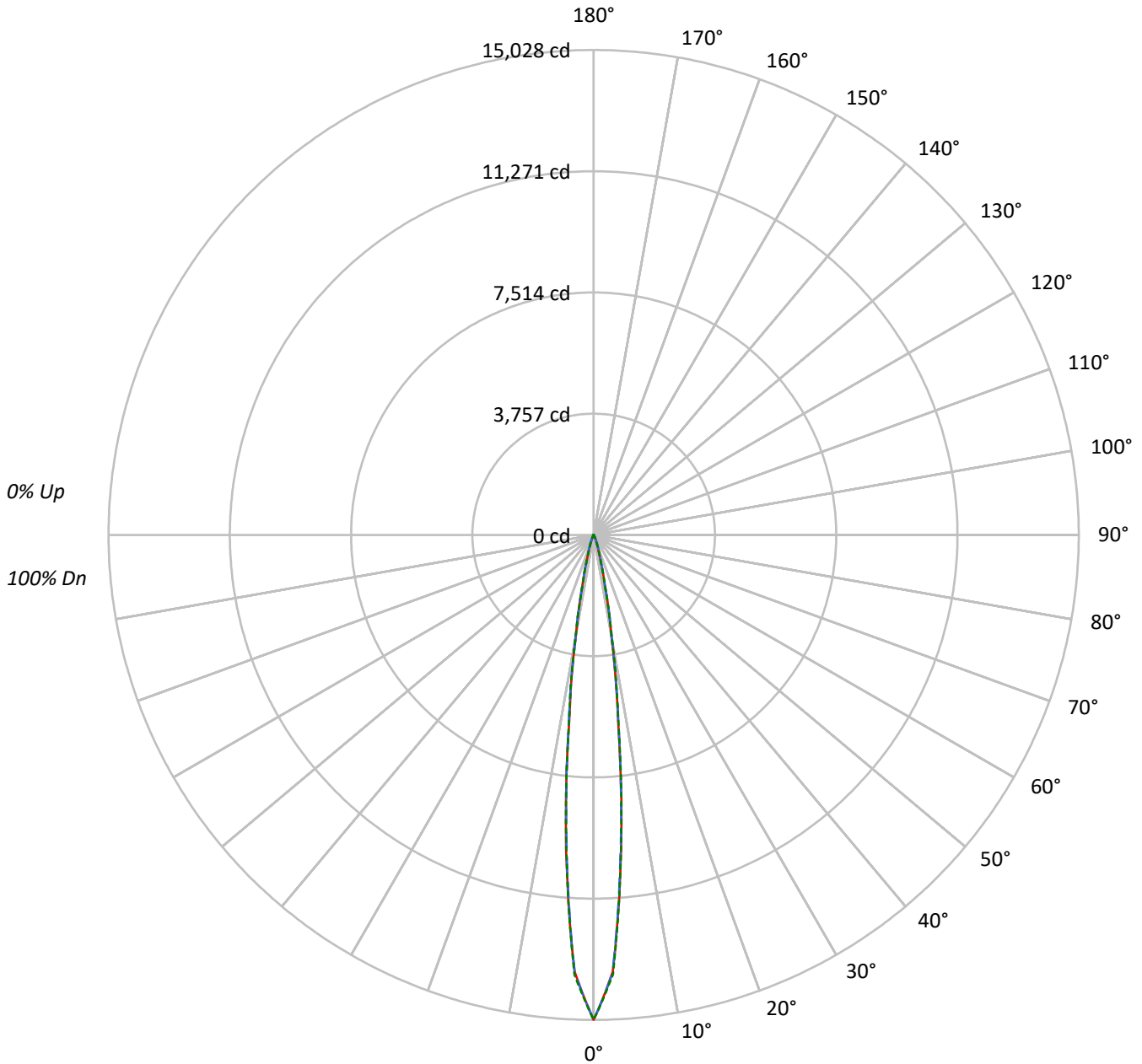


Downlight

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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1690905	1690905	1690905
5°	993656	980790	988555
10°	296560	298640	303212
15°	73768	75201	72882
20°	22068	25561	22542
25°	7782	9909	7884
30°	2860	3767	2905
35°	1431	1619	1387
40°	902	994	902
45°	665	714	665
50°	528	528	528
55°	445	445	445
60°	358	358	358
65°	271	271	271
70°	234	234	234
75°	144	144	189
80°	102	102	102
85°	50	50	50

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 714 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	715.3	64.9
10°-20°	294.2	26.7
20°-30°	58.4	5.3
30°-40°	14.6	1.3
40°-50°	7.7	0.7
50°-60°	5.7	0.5
60°-70°	4.0	0.4
70°-80°	2.3	0.2
80°-90°	0.7	0.1
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°	1068.0	96.8
0°-40°	1082.6	98.2
0°-60°	1096.0	99.4
0°-90°	1103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15028	15028	15028	15028	15028	
5°	9777	9677	9651	9718	9727	714
15°	849	865	866	851	839	291
25°	100	113	127	113	101	52
35°	20	21	22	21	19	13
45°	10	10	10	10	10	7
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	15027.6	15027.6	15027.6	15027.6	15027.6
2.5°	13555.5	13567.0	13571.4	13584.8	13634.4
5°	9777.3	9676.8	9650.7	9717.5	9727.1
7.5°	5791.7	5812.1	5886.5	5903.0	5843.2
10°	3178.3	3204.4	3200.6	3223.5	3249.6
12.5°	1625.4	1605.1	1598.7	1624.8	1588.5
15°	849.3	865.2	865.8	850.6	839.1
17.5°	456.8	475.2	505.8	480.9	442.8
20°	269.7	286.3	312.4	292.0	275.5
22.5°	166.7	180.0	198.5	182.6	169.2
25°	99.9	113.2	127.2	112.6	101.2
27.5°	59.2	70.6	79.5	70.0	58.5
30°	38.2	44.5	50.3	43.9	38.8
32.5°	26.7	29.3	31.8	29.3	26.7
35°	19.7	21.0	22.3	21.0	19.1
37.5°	15.3	16.5	17.2	15.9	14.6
40°	12.7	13.4	14.0	13.4	12.7
42.5°	10.8	11.5	11.5	11.5	10.8
45°	9.5	9.5	10.2	9.5	9.5
47.5°	8.3	8.3	8.9	8.3	8.3
50°	7.6	7.6	7.6	7.6	7.6
52.5°	7.0	7.0	7.0	7.0	7.0
55°	6.4	6.4	6.4	6.4	6.4
57.5°	5.7	5.7	5.7	5.7	5.7
60°	5.1	5.1	5.1	5.1	5.1
62.5°	4.5	4.5	4.5	4.5	4.5
65°	3.8	3.8	3.8	3.8	3.8
67.5°	3.8	3.8	3.8	3.8	3.8
70°	3.2	3.2	3.2	3.2	3.2
72.5°	2.5	2.5	2.5	2.5	2.5
75°	1.9	1.9	1.9	1.9	2.5
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6
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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