

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: P788337

Luminaire Tested: LER6D08D010-EC6DR300210IC9030-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788337  
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: LER6D08D010-EC6DR300210IC9030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1391.3 lumens  
Efficiency: N/A  
Efficacy: 156.3 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): 8.9  
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

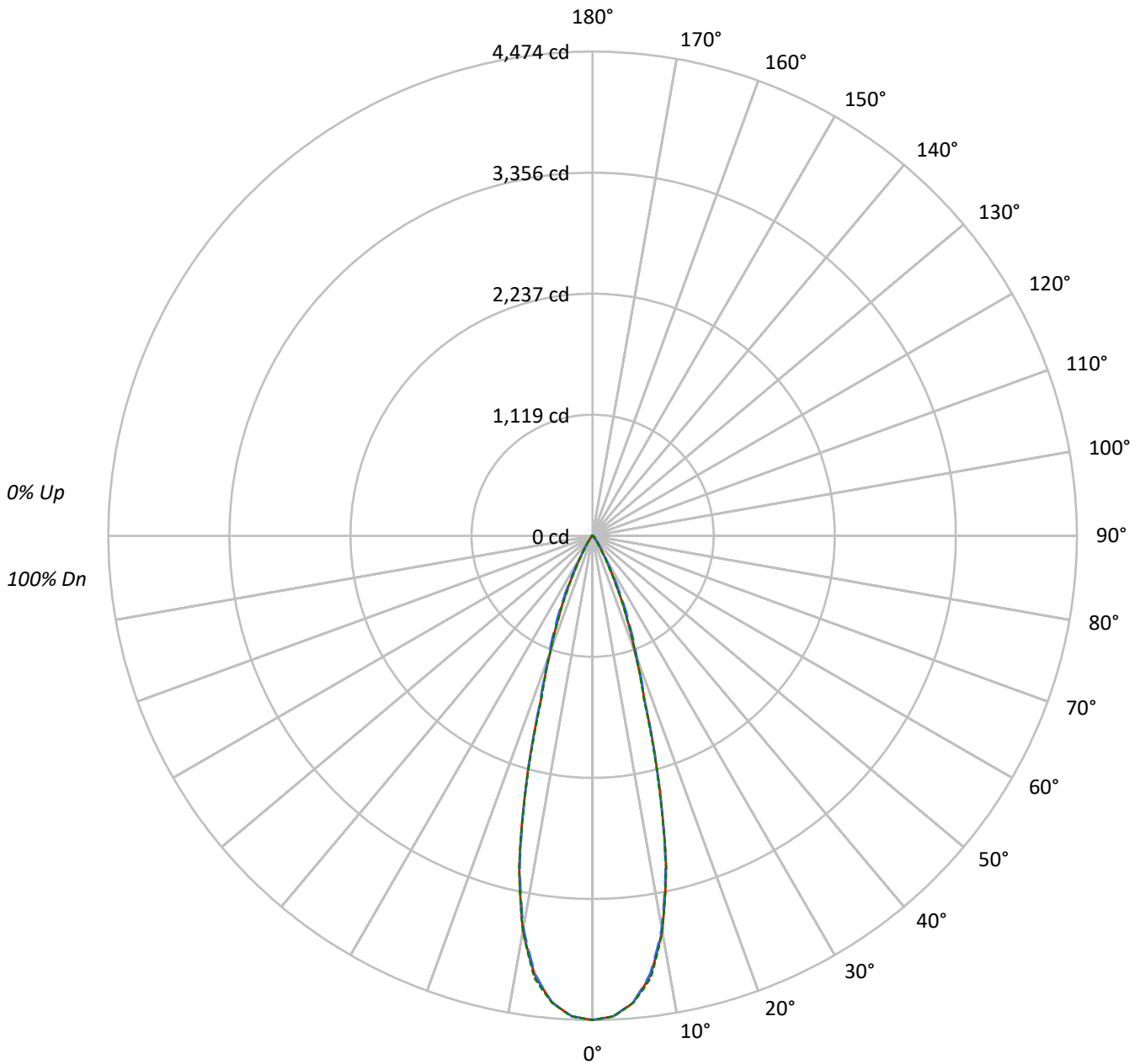


Downlight

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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°	342432	342432	342432
5°	332599	332215	332622
10°	288085	286056	288015
15°	187958	186951	186008
20°	93462	96973	93340
25°	47084	53089	46113
30°	18852	20541	16422
35°	8746	8372	7018
40°	3777	4197	3557
45°	2663	3302	2685
50°	917	2405	965
55°	534	1001	560
60°	367	444	367
65°	235	235	235
70°	157	90	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: 3302 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	393.4	28.3
10°-20°	633.6	45.5
20°-30°	273.8	19.7
30°-40°	62.4	4.5
40°-50°	21.4	1.5
50°-60°	5.2	0.4
60°-70°	1.4	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°	1300.7	93.5
0°-40°	1363.1	98.0
0°-60°	1389.8	99.9
0°-90°	1391.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1391.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4474	4474	4474	4474	4474	
5°	4329	4325	4324	4333	4329	394
15°	2372	2343	2359	2352	2347	635
25°	558	578	629	564	546	267
35°	94	96	90	89	75	63
45°	25	30	30	30	25	17
55°	4	4	8	4	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°	4473.7	4473.7	4473.7	4473.7	4473.7
2.5°	4444.1	4441.0	4442.7	4444.9	4445.8
5°	4328.7	4324.6	4323.7	4332.7	4329.0
7.5°	4096.1	4090.2	4081.2	4101.6	4120.7
10°	3706.5	3699.9	3680.4	3690.0	3705.6
12.5°	3131.2	3109.9	3109.5	3140.3	3136.1
15°	2371.9	2343.4	2359.2	2351.5	2347.3
17.5°	1595.1	1584.1	1605.2	1598.8	1571.3
20°	1147.4	1150.3	1190.5	1170.3	1145.9
22.5°	837.3	847.6	895.3	843.2	824.1
25°	557.5	578.5	628.6	563.8	546.0
27.5°	342.9	352.5	403.3	338.5	328.8
30°	213.3	208.4	232.4	199.4	185.8
32.5°	139.9	133.8	141.5	127.0	116.0
35°	93.6	95.5	89.6	89.0	75.1
37.5°	58.4	67.2	59.3	63.3	48.3
40°	37.8	48.8	42.0	46.3	35.6
42.5°	31.0	37.6	34.5	36.7	31.6
45°	24.6	30.5	30.5	30.5	24.8
47.5°	13.6	20.4	26.1	20.9	14.5
50°	7.7	10.3	20.2	10.8	8.1
52.5°	5.3	5.9	13.8	6.2	5.5
55°	4.0	4.2	7.5	4.4	4.2
57.5°	3.1	3.3	4.0	3.3	3.1
60°	2.4	2.4	2.9	2.6	2.4
62.5°	1.8	1.8	2.0	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.4	0.4	0.4	0.7
72.5°	0.4	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)