

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: P788943

Luminaire Tested: LER6D10D010-EC6DR300210IC9024-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788943  
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-EC6DR300210IC9024-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1244.2 lumens  
Efficiency: N/A  
Efficacy: 106.3 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): 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

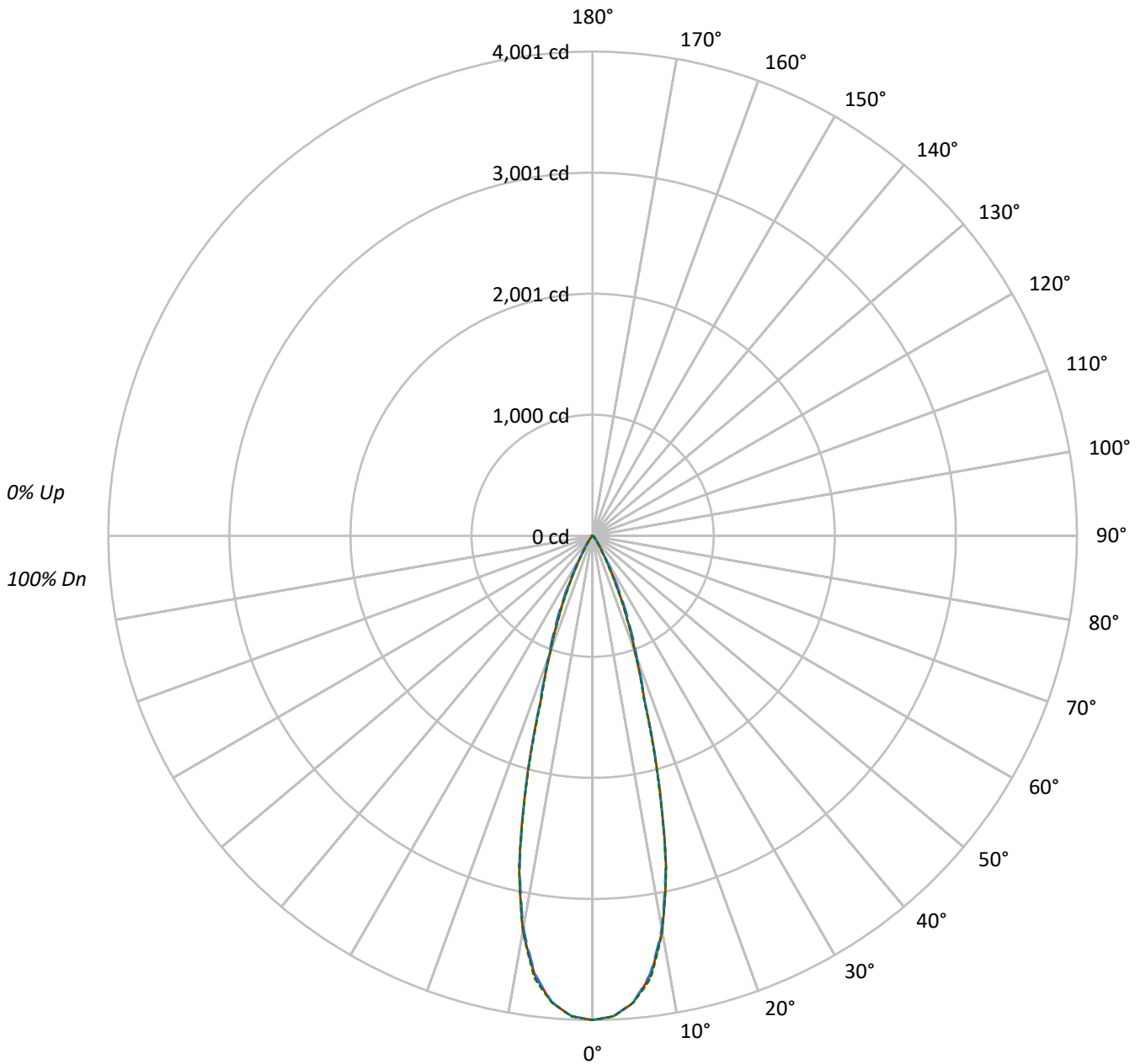


Downlight

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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°	306235	306235	306235
5°	297447	297101	297462
10°	257632	255814	257570
15°	168091	167188	166348
20°	83582	86718	83476
25°	42101	47481	41240
30°	16855	18366	14690
35°	7821	7485	6279
40°	3377	3747	3177
45°	2381	2955	2403
50°	822	2155	869
55°	467	894	494
60°	337	398	337
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2955 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.8	28.3
10°-20°	566.6	45.5
20°-30°	244.8	19.7
30°-40°	55.8	4.5
40°-50°	19.2	1.5
50°-60°	4.7	0.4
60°-70°	1.2	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°	1163.2	93.5
0°-40°	1219.0	98.0
0°-60°	1242.9	99.9
0°-90°	1244.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4001	4001	4001	4001	4001	
5°	3871	3867	3867	3875	3871	352
15°	2121	2096	2110	2103	2099	568
25°	498	517	562	504	488	239
35°	84	85	80	80	67	57
45°	22	27	27	27	22	16
55°	4	4	7	4	4	3
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4000.8	4000.8	4000.8	4000.8	4000.8
2.5°	3974.3	3971.6	3973.1	3975.1	3975.9
5°	3871.2	3867.4	3866.7	3874.7	3871.4
7.5°	3663.2	3657.9	3649.8	3668.1	3685.2
10°	3314.7	3308.8	3291.3	3300.0	3313.9
12.5°	2800.3	2781.2	2780.8	2808.3	2804.6
15°	2121.2	2095.7	2109.8	2102.9	2099.2
17.5°	1426.5	1416.6	1435.5	1429.8	1405.2
20°	1026.1	1028.7	1064.6	1046.6	1024.8
22.5°	748.8	758.0	800.6	754.1	737.0
25°	498.5	517.4	562.2	504.2	488.3
27.5°	306.6	315.3	360.6	302.7	294.1
30°	190.7	186.4	207.8	178.4	166.2
32.5°	125.1	119.6	126.5	113.5	103.7
35°	83.7	85.4	80.1	79.6	67.2
37.5°	52.2	60.1	53.0	56.6	43.2
40°	33.8	43.6	37.5	41.4	31.8
42.5°	27.7	33.6	30.8	32.8	28.3
45°	22.0	27.3	27.3	27.3	22.2
47.5°	12.2	18.3	23.4	18.7	13.0
50°	6.9	9.2	18.1	9.6	7.3
52.5°	4.7	5.3	12.4	5.5	4.9
55°	3.5	3.7	6.7	3.9	3.7
57.5°	2.7	2.9	3.5	2.9	2.7
60°	2.2	2.2	2.6	2.4	2.2
62.5°	1.6	1.6	1.8	1.6	1.6
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
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)