

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: P788985

Luminaire Tested: LER6D10D010-EC6DR300210IC9050-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788985  
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-EC6DR300210IC9050-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1994.1 lumens  
Efficiency: N/A  
Efficacy: 170.4 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

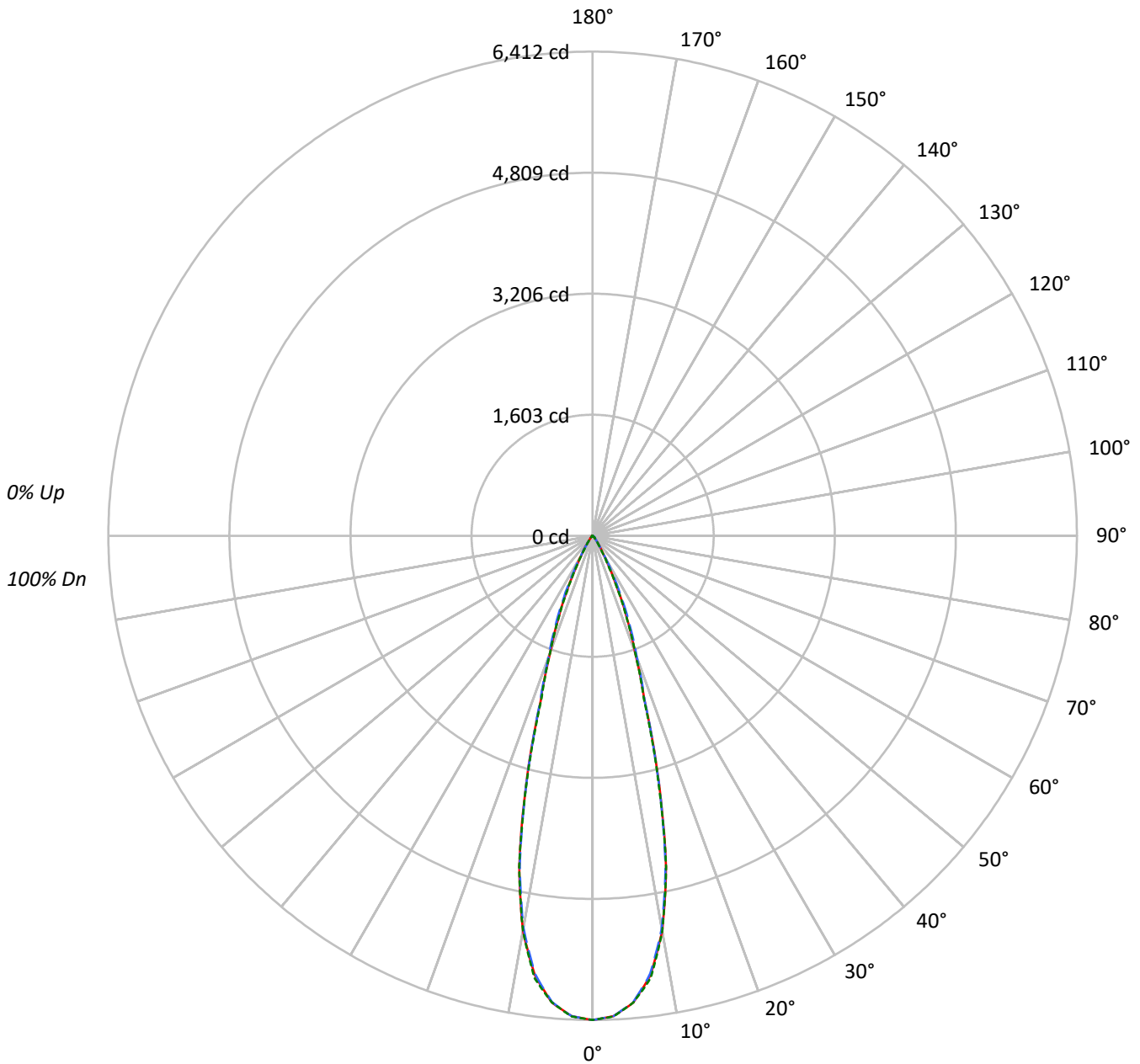


Downlight

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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°	490789	490789	490789
5°	476697	476144	476720
10°	412894	409980	412793
15°	269388	267946	266599
20°	133954	138980	133775
25°	67481	76095	66095
30°	27019	29441	23537
35°	12531	11998	10064
40°	5406	6005	5096
45°	3821	4741	3854
50°	1310	3453	1381
55°	761	1428	801
60°	536	628	536
65°	344	344	344
70°	201	134	201
75°	0	89	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4741 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	563.8	28.3
10°-20°	908.0	45.5
20°-30°	392.4	19.7
30°-40°	89.4	4.5
40°-50°	30.7	1.5
50°-60°	7.5	0.4
60°-70°	1.9	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°	1864.3	93.5
0°-40°	1953.7	98.0
0°-60°	1991.9	99.9
0°-90°	1994.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1994.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6412	6412	6412	6412	6412	
5°	6204	6198	6197	6210	6204	564
15°	3400	3359	3381	3370	3364	910
25°	799	829	901	808	783	382
35°	134	137	128	128	108	91
45°	35	44	44	44	36	25
55°	6	6	11	6	6	6
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°	6411.9	6411.9	6411.9	6411.9	6411.9
2.5°	6369.4	6365.0	6367.5	6370.6	6371.9
5°	6204.1	6198.1	6196.9	6209.8	6204.4
7.5°	5870.7	5862.2	5849.3	5878.6	5906.0
10°	5312.3	5302.8	5274.8	5288.7	5311.0
12.5°	4487.8	4457.3	4456.6	4500.7	4494.7
15°	3399.5	3358.6	3381.3	3370.3	3364.3
17.5°	2286.1	2270.3	2300.6	2291.4	2252.1
20°	1644.5	1648.6	1706.2	1677.3	1642.3
22.5°	1200.0	1214.8	1283.1	1208.5	1181.1
25°	799.0	829.2	901.0	808.1	782.6
27.5°	491.4	505.3	578.0	485.1	471.3
30°	305.7	298.7	333.1	285.8	266.3
32.5°	200.5	191.7	202.7	182.0	166.2
35°	134.1	136.9	128.4	127.5	107.7
37.5°	83.7	96.3	85.0	90.7	69.3
40°	54.1	69.9	60.1	66.4	51.0
42.5°	44.4	53.8	49.4	52.6	45.3
45°	35.3	43.8	43.8	43.8	35.6
47.5°	19.5	29.3	37.5	29.9	20.8
50°	11.0	14.8	29.0	15.4	11.6
52.5°	7.6	8.5	19.8	8.8	7.9
55°	5.7	6.0	10.7	6.3	6.0
57.5°	4.4	4.7	5.7	4.7	4.4
60°	3.5	3.5	4.1	3.8	3.5
62.5°	2.5	2.5	2.8	2.5	2.5
65°	1.9	1.9	1.9	1.9	1.9
67.5°	0.9	1.3	1.3	1.3	1.3
70°	0.9	0.6	0.6	0.6	0.9
72.5°	0.6	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)