

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: P789602

Luminaire Tested: LER6D15D010-EC6DR300215IC9050-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789602  
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: LER6D15D010-EC6DR300215IC9050-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2054.5 lumens  
Efficiency: N/A  
Efficacy: 130.0 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): 15.8  
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

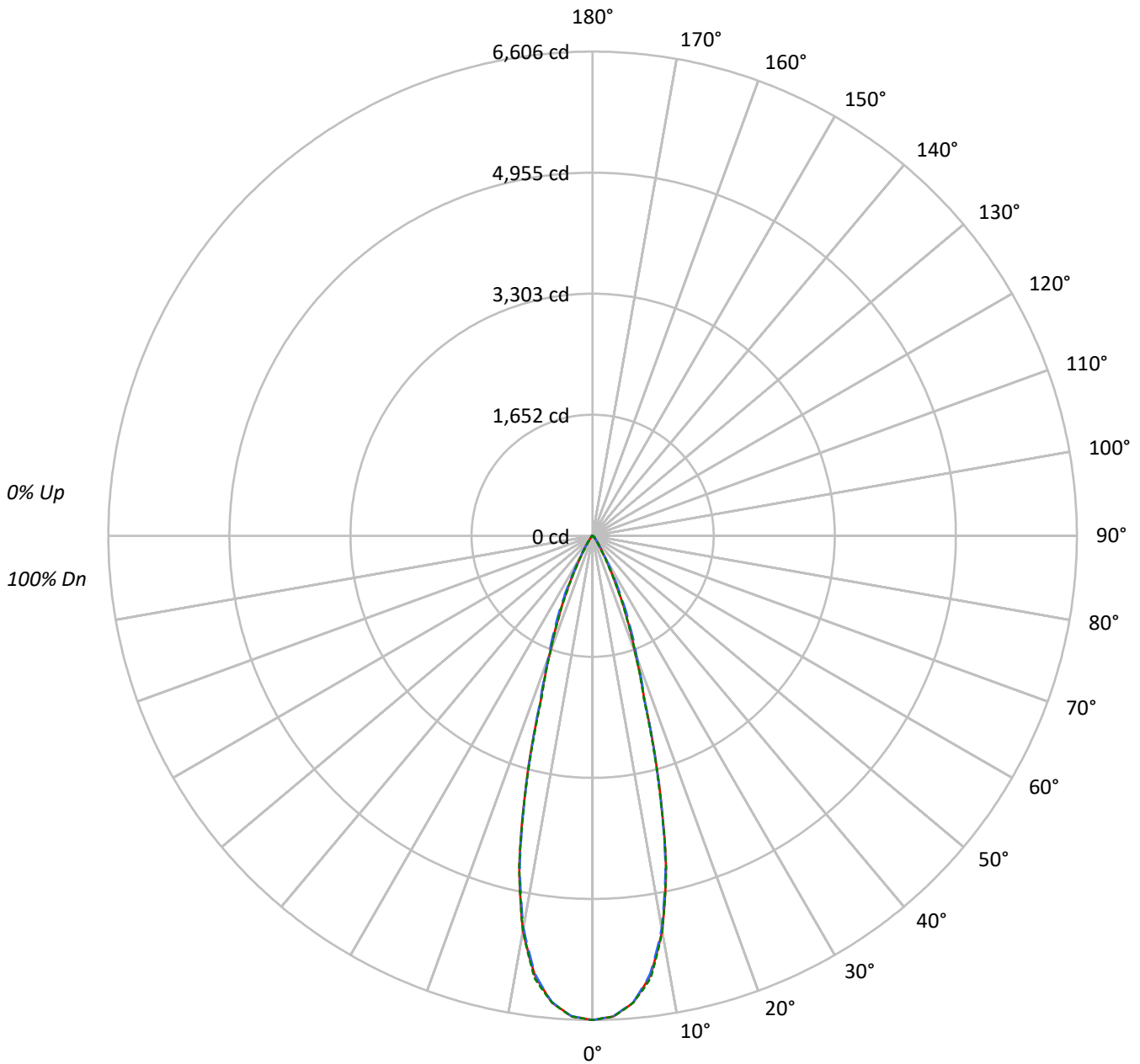


Downlight

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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°	505661	505661	505661
5°	491142	490573	491165
10°	425408	422408	425307
15°	277558	276061	274674
20°	138019	143191	137831
25°	69524	78401	68097
30°	27832	30334	24253
35°	12914	12362	10363
40°	5576	6185	5246
45°	3929	4882	3973
50°	1358	3549	1429
55°	774	1468	827
60°	551	643	551
65°	344	344	344
70°	224	134	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 4882 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	580.9	28.3
10°-20°	935.6	45.5
20°-30°	404.3	19.7
30°-40°	92.1	4.5
40°-50°	31.6	1.5
50°-60°	7.7	0.4
60°-70°	2.0	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°	1920.8	93.5
0°-40°	2012.9	98.0
0°-60°	2052.3	99.9
0°-90°	2054.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2054.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6606	6606	6606	6606	6606	
5°	6392	6386	6385	6398	6392	581
15°	3503	3460	3484	3472	3466	938
25°	823	854	928	833	806	394
35°	138	141	132	131	111	94
45°	36	45	45	45	37	26
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°	6606.2	6606.2	6606.2	6606.2	6606.2
2.5°	6562.4	6557.8	6560.4	6563.7	6565.0
5°	6392.1	6385.9	6384.7	6397.9	6392.4
7.5°	6048.6	6039.9	6026.6	6056.7	6085.0
10°	5473.3	5463.5	5434.7	5448.9	5472.0
12.5°	4623.8	4592.3	4591.7	4637.1	4630.9
15°	3502.6	3460.4	3483.7	3472.4	3466.2
17.5°	2355.4	2339.1	2370.3	2360.9	2320.3
20°	1694.4	1698.6	1757.9	1728.1	1692.1
22.5°	1236.4	1251.6	1322.0	1245.1	1216.9
25°	823.2	854.3	928.3	832.6	806.3
27.5°	506.3	520.6	595.5	499.8	485.5
30°	314.9	307.8	343.2	294.5	274.4
32.5°	206.6	197.5	208.9	187.5	171.3
35°	138.2	141.1	132.3	131.4	110.9
37.5°	86.3	99.2	87.6	93.4	71.4
40°	55.8	72.0	61.9	68.4	52.5
42.5°	45.7	55.5	50.9	54.2	46.7
45°	36.3	45.1	45.1	45.1	36.7
47.5°	20.1	30.2	38.6	30.8	21.4
50°	11.4	15.2	29.8	15.9	12.0
52.5°	7.8	8.8	20.4	9.1	8.1
55°	5.8	6.2	11.0	6.5	6.2
57.5°	4.5	4.9	5.8	4.9	4.5
60°	3.6	3.6	4.2	3.9	3.6
62.5°	2.6	2.6	2.9	2.6	2.6
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.6	0.6	0.6	1.0
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)