

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: P790189

Luminaire Tested: LER6D20D010-EC6DR3020359027-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790189  
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: LER6D20D010-EC6DR3020359027-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3498.7 lumens  
Efficiency: N/A  
Efficacy: 151.5 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): 23.1  
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

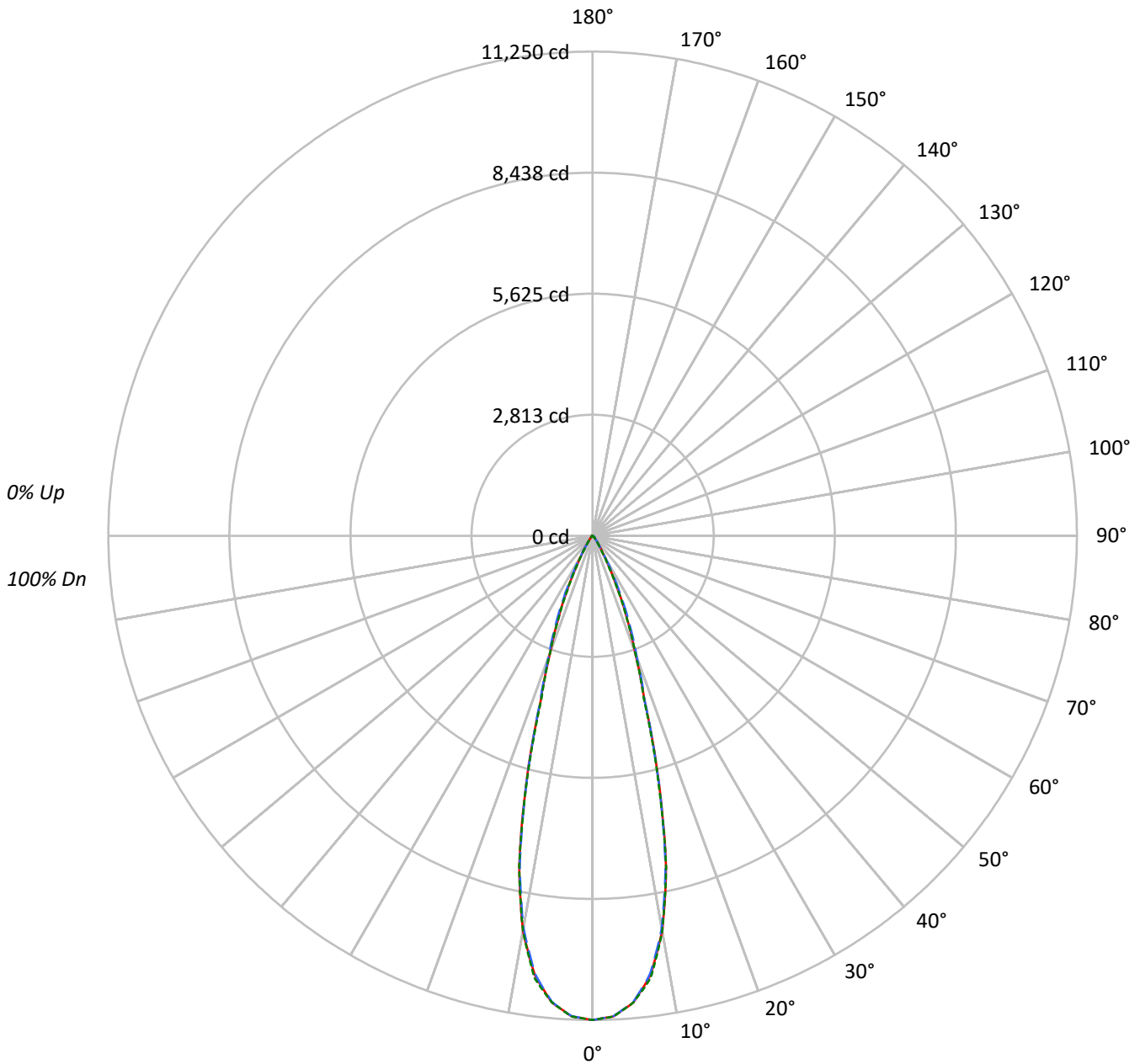


Downlight

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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

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

	0°	45°	90°
0°	861113	861113	861113
5°	836388	835412	836434
10°	724444	719330	724265
15°	472664	470120	467759
20°	235033	243854	234715
25°	118391	133509	115967
30°	47401	51652	41302
35°	21987	21062	17651
40°	9492	10542	8943
45°	6701	8314	6755
50°	2298	6049	2429
55°	1321	2509	1401
60°	934	1102	934
65°	598	598	598
70°	380	246	380
75°	0	177	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 8314 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	989.3	28.3
10°-20°	1593.2	45.5
20°-30°	688.5	19.7
30°-40°	156.9	4.5
40°-50°	53.9	1.5
50°-60°	13.2	0.4
60°-70°	3.4	0.1
70°-80°	0.4	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°	3271.0	93.5
0°-40°	3427.9	98.0
0°-60°	3494.9	99.9
0°-90°	3498.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3498.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11250	11250	11250	11250	11250	
5°	10885	10875	10873	10895	10886	990
15°	5965	5893	5933	5913	5903	1597
25°	1402	1455	1581	1418	1373	671
35°	235	240	225	224	189	160
45°	62	77	77	77	62	44
55°	10	10	19	11	10	10
65°	3	3	3	3	3	3
75°	0	0	1	0	0	1
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°	11250.0	11250.0	11250.0	11250.0	11250.0
2.5°	11175.4	11167.7	11172.1	11177.6	11179.8
5°	10885.4	10874.9	10872.7	10895.4	10886.0
7.5°	10300.5	10285.6	10262.9	10314.3	10362.4
10°	9320.7	9304.1	9254.9	9279.2	9318.4
12.5°	7874.1	7820.5	7819.4	7896.7	7886.2
15°	5964.7	5892.9	5932.6	5913.3	5902.8
17.5°	4011.1	3983.4	4036.5	4020.4	3951.4
20°	2885.4	2892.6	2993.7	2942.8	2881.5
22.5°	2105.5	2131.5	2251.3	2120.4	2072.4
25°	1401.8	1454.9	1580.8	1417.8	1373.1
27.5°	862.2	886.5	1014.1	851.1	826.8
30°	536.3	524.2	584.4	501.5	467.3
32.5°	351.8	336.4	355.7	319.2	291.6
35°	235.3	240.3	225.4	223.7	188.9
37.5°	146.9	169.0	149.1	159.1	121.5
40°	95.0	122.6	105.5	116.5	89.5
42.5°	77.9	94.4	86.7	92.2	79.5
45°	61.9	76.8	76.8	76.8	62.4
47.5°	34.2	51.4	65.7	52.5	36.5
50°	19.3	26.0	50.8	27.1	20.4
52.5°	13.3	14.9	34.8	15.5	13.8
55°	9.9	10.5	18.8	11.0	10.5
57.5°	7.7	8.3	9.9	8.3	7.7
60°	6.1	6.1	7.2	6.6	6.1
62.5°	4.4	4.4	5.0	4.4	4.4
65°	3.3	3.3	3.3	3.3	3.3
67.5°	1.7	2.2	2.2	2.2	2.2
70°	1.7	1.1	1.1	1.1	1.7
72.5°	1.1	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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)