

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: P790069

Luminaire Tested: LER6D20D010-EC6DR1515309040-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790069  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D20D010-EC6DR1515309040-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2322.3 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
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

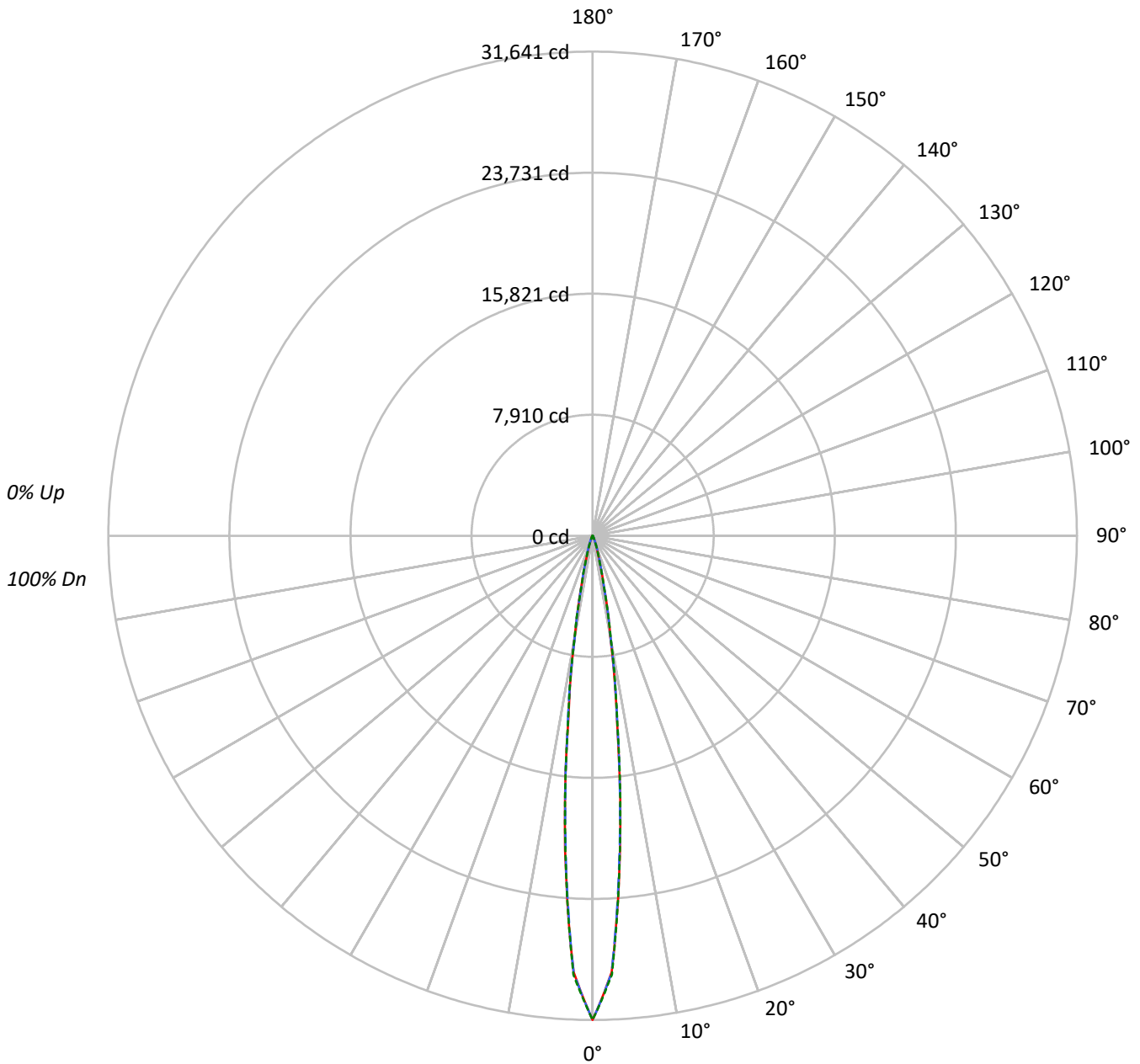


Downlight

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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

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

	0°	45°	90°
0°	3560289	3560289	3560289
5°	2092194	2065099	2081441
10°	624424	628800	638420
15°	155317	158340	153459
20°	46467	53815	47457
25°	16383	20870	16593
30°	6020	7922	6118
35°	3014	3406	2919
40°	1903	2095	1903
45°	1407	1498	1407
50°	1120	1120	1120
55°	933	933	933
60°	751	751	751
65°	571	571	571
70°	490	490	490
75°	302	302	408
80°	213	213	213
85°	108	108	108

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1498 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1506.2	64.9
10°-20°	619.5	26.7
20°-30°	123.1	5.3
30°-40°	30.7	1.3
40°-50°	16.1	0.7
50°-60°	12.0	0.5
60°-70°	8.4	0.4
70°-80°	4.8	0.2
80°-90°	1.5	0.1
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°	2248.8	96.8
0°-40°	2279.5	98.2
0°-60°	2307.6	99.4
0°-90°	2322.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2322.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	31641	31641	31641	31641	31641	
5°	20587	20375	20320	20461	20481	1503
15°	1788	1822	1823	1791	1767	613
25°	210	238	268	237	213	110
35°	42	44	47	44	40	28
45°	20	20	21	20	20	16
55°	13	13	13	13	13	12
65°	8	8	8	8	8	8
75°	4	4	4	4	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	31641.4	31641.4	31641.4	31641.4	31641.4
2.5°	28541.8	28565.9	28575.3	28603.4	28707.9
5°	20586.6	20375.0	20320.0	20460.7	20480.8
7.5°	12194.7	12237.6	12394.3	12429.1	12303.2
10°	6692.1	6747.0	6739.0	6787.2	6842.1
12.5°	3422.4	3379.5	3366.1	3421.1	3344.7
15°	1788.2	1821.7	1823.0	1790.9	1766.8
17.5°	961.8	1000.6	1064.9	1012.7	932.3
20°	567.9	602.8	657.7	614.8	580.0
22.5°	350.9	379.1	417.9	384.4	356.3
25°	210.3	238.4	267.9	237.1	213.0
27.5°	124.6	148.7	167.4	147.3	123.2
30°	80.4	93.8	105.8	92.4	81.7
32.5°	56.3	61.6	67.0	61.6	56.3
35°	41.5	44.2	46.9	44.2	40.2
37.5°	32.1	34.8	36.2	33.5	30.8
40°	26.8	28.1	29.5	28.1	26.8
42.5°	22.8	24.1	24.1	24.1	22.8
45°	20.1	20.1	21.4	20.1	20.1
47.5°	17.4	17.4	18.8	17.4	17.4
50°	16.1	16.1	16.1	16.1	16.1
52.5°	14.7	14.7	14.7	14.7	14.7
55°	13.4	13.4	13.4	13.4	13.4
57.5°	12.1	12.1	12.1	12.1	12.1
60°	10.7	10.7	10.7	10.7	10.7
62.5°	9.4	9.4	9.4	9.4	9.4
65°	8.0	8.0	8.0	8.0	8.0
67.5°	8.0	8.0	8.0	8.0	8.0
70°	6.7	6.7	6.7	6.7	6.7
72.5°	5.4	5.4	5.4	5.4	5.4
75°	4.0	4.0	4.0	4.0	5.4
77.5°	4.0	4.0	4.0	4.0	4.0
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7
85°	1.3	1.3	1.3	1.3	1.3
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)