

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: P791227

Luminaire Tested: LER6D30D010-EC6DR1515309050-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791227  
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: LER6D30D010-EC6DR1515309050-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3409.1 lumens  
Efficiency: N/A  
Efficacy: 117.6 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): 29  
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

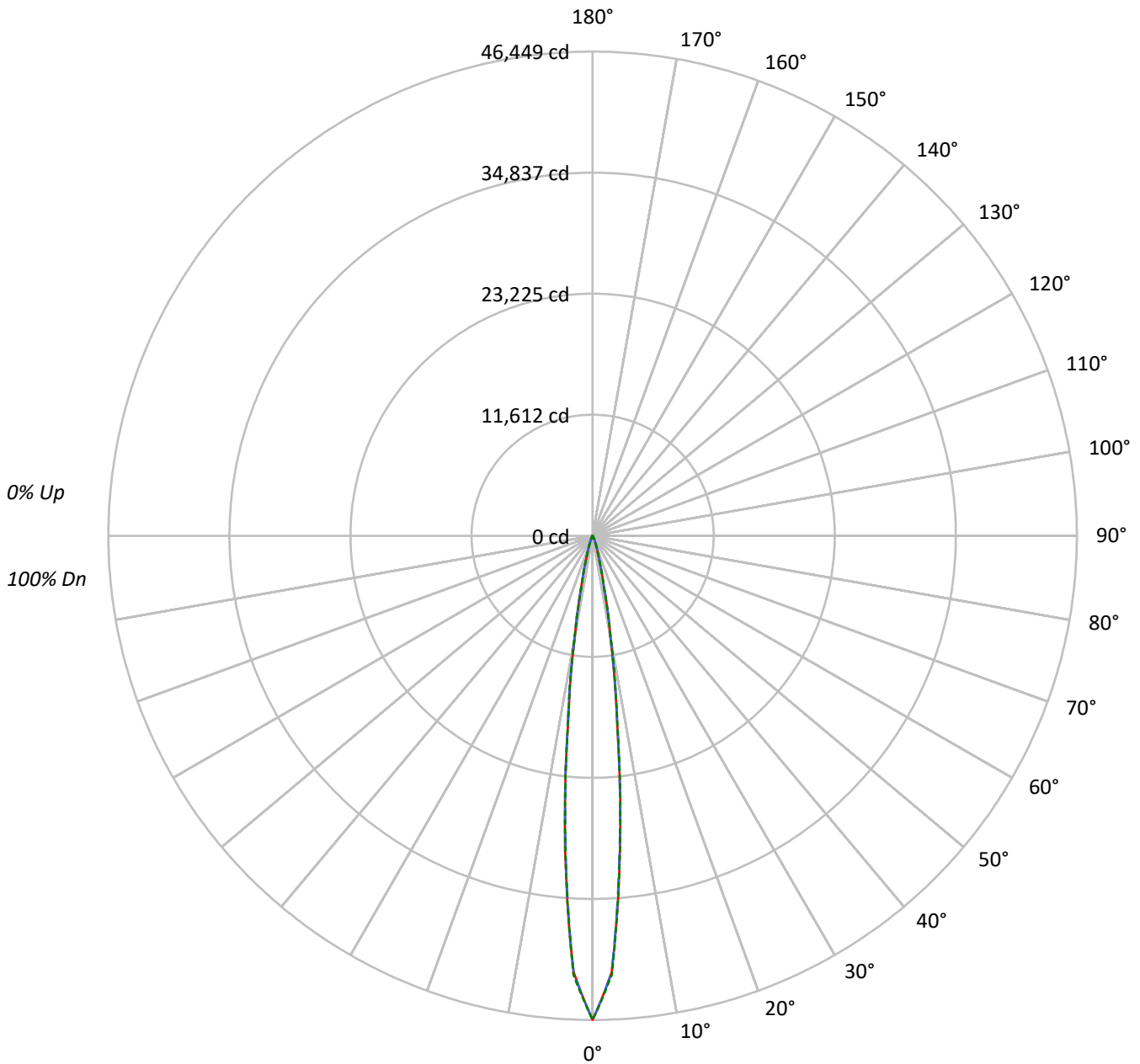


Downlight

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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°	5226405	5226405	5226405
5°	3071286	3031519	3055493
10°	916635	923055	937181
15°	228008	232446	225272
20°	68216	79000	69664
25°	24048	30638	24352
30°	8836	11629	8978
35°	4430	4996	4285
40°	2791	3075	2791
45°	2065	2205	2065
50°	1641	1641	1641
55°	1371	1371	1371
60°	1102	1102	1102
65°	842	842	842
70°	717	717	717
75°	446	446	597
80°	307	307	307
85°	166	166	166

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2205 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2211.1	64.9
10°-20°	909.5	26.7
20°-30°	180.6	5.3
30°-40°	45.1	1.3
40°-50°	23.7	0.7
50°-60°	17.6	0.5
60°-70°	12.4	0.4
70°-80°	7.1	0.2
80°-90°	2.1	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°	3301.2	96.8
0°-40°	3346.2	98.2
0°-60°	3387.5	99.4
0°-90°	3409.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3409.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	46449	46449	46449	46449	46449	
5°	30221	29910	29829	30036	30065	2207
15°	2625	2674	2676	2629	2594	900
25°	309	350	393	348	313	162
35°	61	65	69	65	59	41
45°	30	30	32	30	30	23
55°	20	20	20	20	20	18
65°	12	12	12	12	12	12
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	46448.7	46448.7	46448.7	46448.7	46448.7
2.5°	41898.6	41934.0	41947.8	41989.1	42142.4
5°	30220.6	29909.9	29829.3	30035.7	30065.2
7.5°	17901.5	17964.4	18194.5	18245.6	18060.8
10°	9823.8	9904.4	9892.6	9963.4	10044.0
12.5°	5024.0	4961.1	4941.4	5022.0	4909.9
15°	2625.1	2674.2	2676.2	2629.0	2593.6
17.5°	1411.8	1468.9	1563.2	1486.5	1368.6
20°	833.7	884.8	965.5	902.5	851.4
22.5°	515.2	556.5	613.5	564.3	523.0
25°	308.7	350.0	393.3	348.0	312.6
27.5°	182.9	218.3	245.8	216.3	180.9
30°	118.0	137.6	155.3	135.7	119.9
32.5°	82.6	90.5	98.3	90.5	82.6
35°	61.0	64.9	68.8	64.9	59.0
37.5°	47.2	51.1	53.1	49.2	45.2
40°	39.3	41.3	43.3	41.3	39.3
42.5°	33.4	35.4	35.4	35.4	33.4
45°	29.5	29.5	31.5	29.5	29.5
47.5°	25.6	25.6	27.5	25.6	25.6
50°	23.6	23.6	23.6	23.6	23.6
52.5°	21.6	21.6	21.6	21.6	21.6
55°	19.7	19.7	19.7	19.7	19.7
57.5°	17.7	17.7	17.7	17.7	17.7
60°	15.7	15.7	15.7	15.7	15.7
62.5°	13.8	13.8	13.8	13.8	13.8
65°	11.8	11.8	11.8	11.8	11.8
67.5°	11.8	11.8	11.8	11.8	11.8
70°	9.8	9.8	9.8	9.8	9.8
72.5°	7.9	7.9	7.9	7.9	7.9
75°	5.9	5.9	5.9	5.9	5.9
77.5°	5.9	5.9	5.9	5.9	5.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
85°	2.0	2.0	2.0	2.0	2.0
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)