

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P791229

Luminaire Tested: LER6D30D010-EC6DR1515309050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791229  
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-EC6DR1515309050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3814.0 lumens  
Efficiency: N/A  
Efficacy: 131.5 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): 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

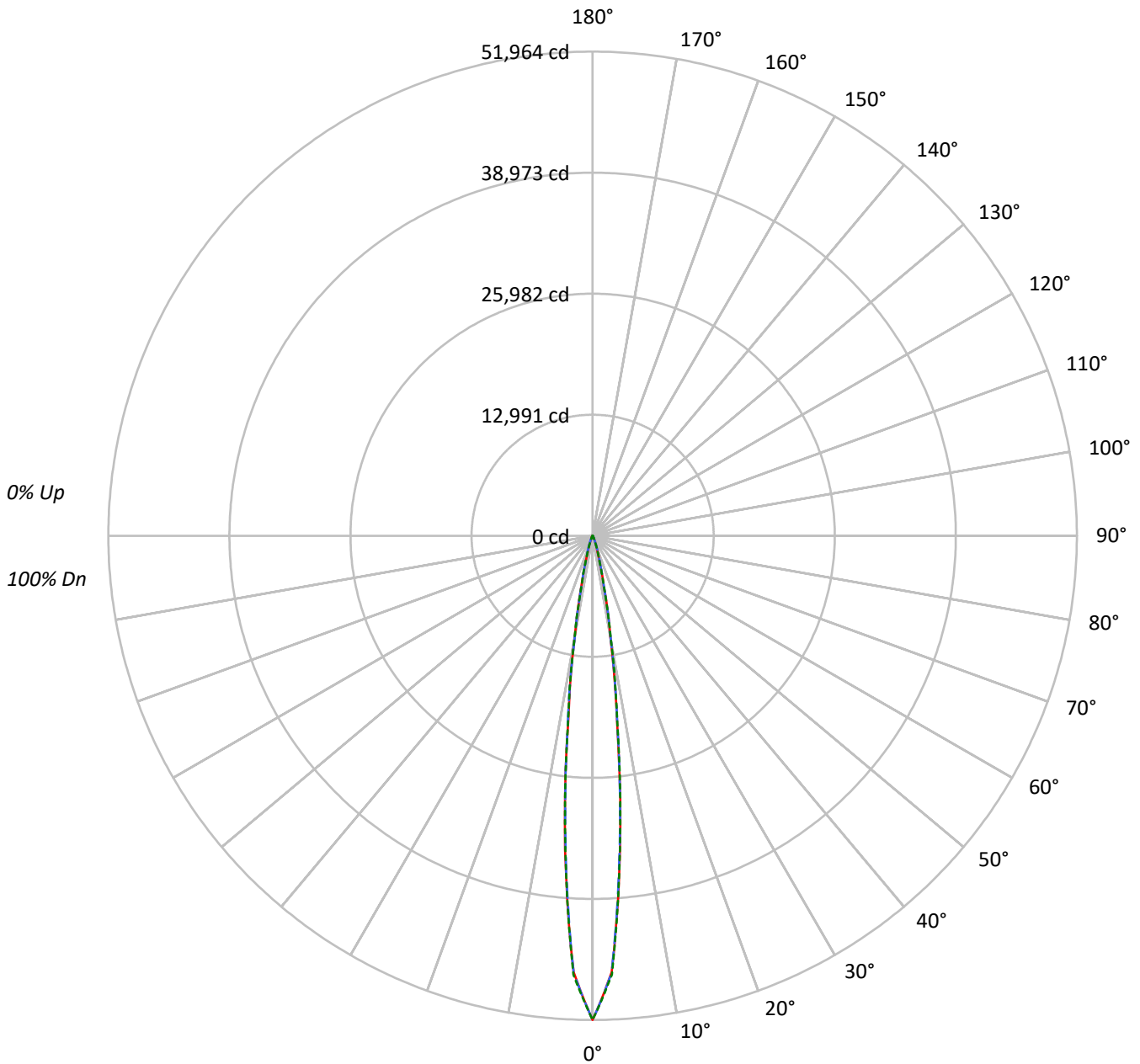


Downlight

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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°	5847032	5847032	5847032
5°	3435992	3391499	3418329
10°	1025478	1032663	1048469
15°	255081	260049	252024
20°	76316	88377	77936
25°	26907	34276	27250
30°	9884	13014	10049
35°	4953	5592	4793
40°	3125	3437	3125
45°	2310	2464	2310
50°	1836	1836	1836
55°	1531	1531	1531
60°	1236	1236	1236
65°	942	942	942
70°	805	805	805
75°	499	499	665
80°	347	347	347
85°	183	183	183

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2464 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2473.6	64.9
10°-20°	1017.5	26.7
20°-30°	202.1	5.3
30°-40°	50.4	1.3
40°-50°	26.5	0.7
50°-60°	19.7	0.5
60°-70°	13.9	0.4
70°-80°	7.9	0.2
80°-90°	2.4	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°	3693.2	96.8
0°-40°	3743.6	98.2
0°-60°	3789.8	99.4
0°-90°	3814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3814.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	51964	51964	51964	51964	51964	
5°	33809	33462	33371	33602	33635	2469
15°	2937	2992	2994	2941	2902	1007
25°	345	392	440	389	350	181
35°	68	73	77	73	66	46
45°	33	33	35	33	33	26
55°	22	22	22	22	22	20
65°	13	13	13	13	13	14
75°	7	7	7	7	9	8
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°	51964.4	51964.4	51964.4	51964.4	51964.4
2.5°	46874.0	46913.6	46928.9	46975.1	47146.7
5°	33809.2	33461.6	33371.4	33602.4	33635.4
7.5°	20027.2	20097.6	20355.0	20412.2	20205.4
10°	10990.3	11080.5	11067.3	11146.5	11236.7
12.5°	5620.6	5550.2	5528.2	5618.4	5493.0
15°	2936.8	2991.8	2994.0	2941.2	2901.6
17.5°	1579.5	1643.3	1748.9	1663.1	1531.1
20°	932.7	989.9	1080.1	1009.7	952.5
22.5°	576.4	622.6	686.3	631.4	585.2
25°	345.4	391.6	440.0	389.4	349.8
27.5°	204.6	244.2	275.0	242.0	202.4
30°	132.0	154.0	173.8	151.8	134.2
32.5°	92.4	101.2	110.0	101.2	92.4
35°	68.2	72.6	77.0	72.6	66.0
37.5°	52.8	57.2	59.4	55.0	50.6
40°	44.0	46.2	48.4	46.2	44.0
42.5°	37.4	39.6	39.6	39.6	37.4
45°	33.0	33.0	35.2	33.0	33.0
47.5°	28.6	28.6	30.8	28.6	28.6
50°	26.4	26.4	26.4	26.4	26.4
52.5°	24.2	24.2	24.2	24.2	24.2
55°	22.0	22.0	22.0	22.0	22.0
57.5°	19.8	19.8	19.8	19.8	19.8
60°	17.6	17.6	17.6	17.6	17.6
62.5°	15.4	15.4	15.4	15.4	15.4
65°	13.2	13.2	13.2	13.2	13.2
67.5°	13.2	13.2	13.2	13.2	13.2
70°	11.0	11.0	11.0	11.0	11.0
72.5°	8.8	8.8	8.8	8.8	8.8
75°	6.6	6.6	6.6	6.6	8.8
77.5°	6.6	6.6	6.6	6.6	6.6
80°	4.4	4.4	4.4	4.4	4.4
82.5°	4.4	4.4	4.4	4.4	4.4
85°	2.2	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)