

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: P791215

Luminaire Tested: LER6D30D010-EC6DR1515309040-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791215  
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-EC6DR1515309040-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3263.2 lumens  
Efficiency: N/A  
Efficacy: 112.5 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

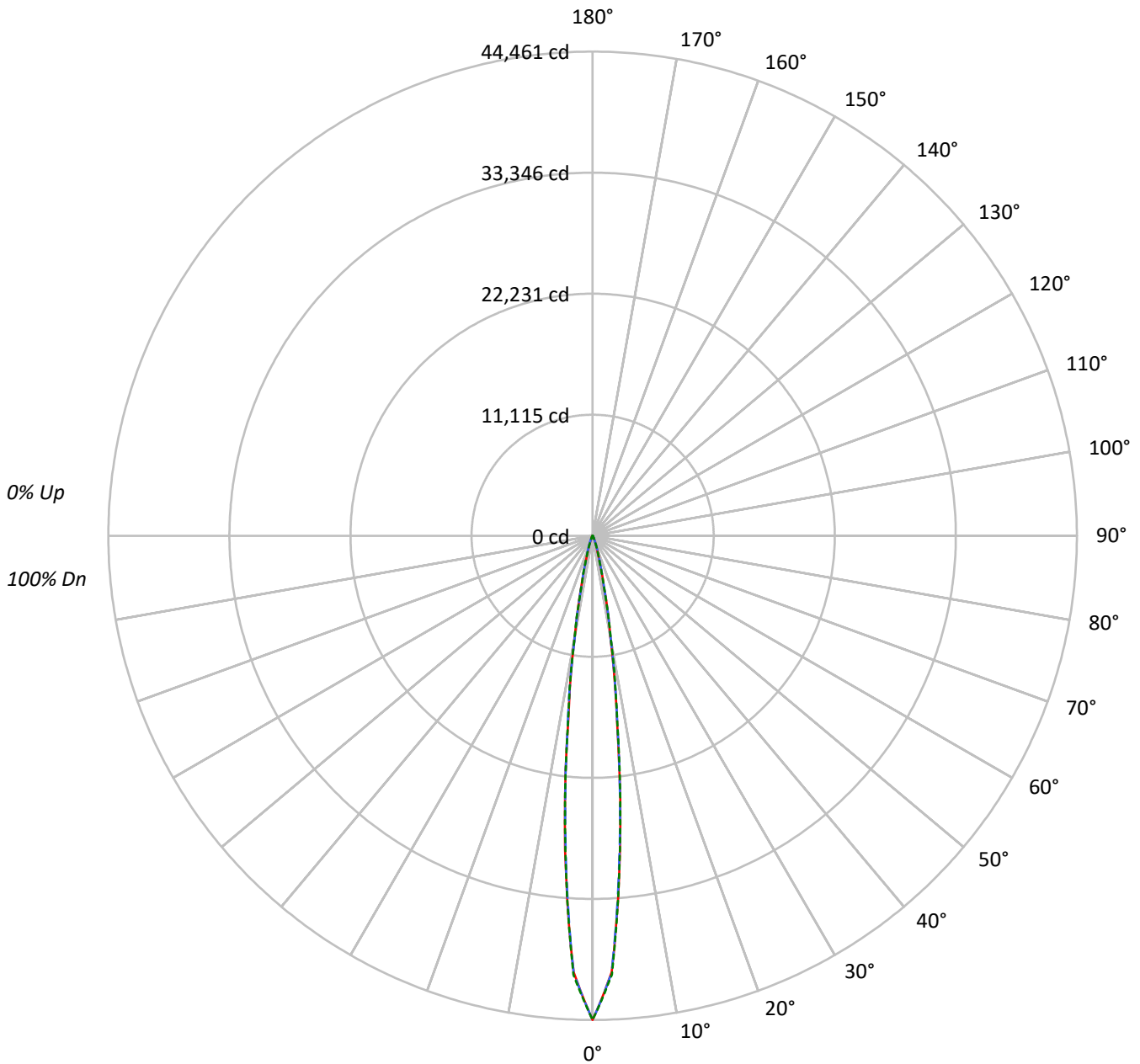


Downlight

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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°	5002738	5002738	5002738
5°	2939850	2901780	2924738
10°	877409	883558	897078
15°	218245	222501	215631
20°	65295	75621	66686
25°	23020	29322	23316
30°	8454	11135	8596
35°	4234	4786	4103
40°	2670	2940	2670
45°	1974	2107	1974
50°	1572	1572	1572
55°	1309	1309	1309
60°	1060	1060	1060
65°	806	806	806
70°	687	687	687
75°	423	423	567
80°	300	300	300
85°	158	158	158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2107 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2116.4	64.9
10°-20°	870.5	26.7
20°-30°	172.9	5.3
30°-40°	43.2	1.3
40°-50°	22.7	0.7
50°-60°	16.8	0.5
60°-70°	11.9	0.4
70°-80°	6.7	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°	3159.9	96.8
0°-40°	3203.0	98.2
0°-60°	3242.5	99.4
0°-90°	3263.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3263.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	44461	44461	44461	44461	44461	
5°	28927	28630	28553	28750	28779	2112
15°	2513	2560	2562	2516	2483	861
25°	296	335	376	333	299	155
35°	58	62	66	62	56	40
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
65°	11	11	11	11	11	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°	44460.9	44460.9	44460.9	44460.9	44460.9
2.5°	40105.5	40139.4	40152.6	40192.1	40338.9
5°	28927.3	28629.9	28552.7	28750.3	28778.6
7.5°	17135.4	17195.6	17415.8	17464.8	17287.8
10°	9403.4	9480.6	9469.3	9537.0	9614.2
12.5°	4809.0	4748.7	4729.9	4807.1	4699.8
15°	2512.7	2559.8	2561.7	2516.5	2482.6
17.5°	1351.4	1406.0	1496.3	1422.9	1310.0
20°	798.0	847.0	924.2	863.9	815.0
22.5°	493.1	532.7	587.2	540.2	500.7
25°	295.5	335.0	376.4	333.1	299.3
27.5°	175.0	208.9	235.3	207.0	173.2
30°	112.9	131.8	148.7	129.9	114.8
32.5°	79.1	86.6	94.1	86.6	79.1
35°	58.3	62.1	65.9	62.1	56.5
37.5°	45.2	48.9	50.8	47.1	43.3
40°	37.6	39.5	41.4	39.5	37.6
42.5°	32.0	33.9	33.9	33.9	32.0
45°	28.2	28.2	30.1	28.2	28.2
47.5°	24.5	24.5	26.4	24.5	24.5
50°	22.6	22.6	22.6	22.6	22.6
52.5°	20.7	20.7	20.7	20.7	20.7
55°	18.8	18.8	18.8	18.8	18.8
57.5°	16.9	16.9	16.9	16.9	16.9
60°	15.1	15.1	15.1	15.1	15.1
62.5°	13.2	13.2	13.2	13.2	13.2
65°	11.3	11.3	11.3	11.3	11.3
67.5°	11.3	11.3	11.3	11.3	11.3
70°	9.4	9.4	9.4	9.4	9.4
72.5°	7.5	7.5	7.5	7.5	7.5
75°	5.6	5.6	5.6	5.6	5.6
77.5°	5.6	5.6	5.6	5.6	5.6
80°	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9
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)