

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: P790195

Luminaire Tested: LER6D20D010-EC6DR3020359030-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790195  
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-EC6DR3020359030-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3225.8 lumens  
Efficiency: N/A  
Efficacy: 139.6 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

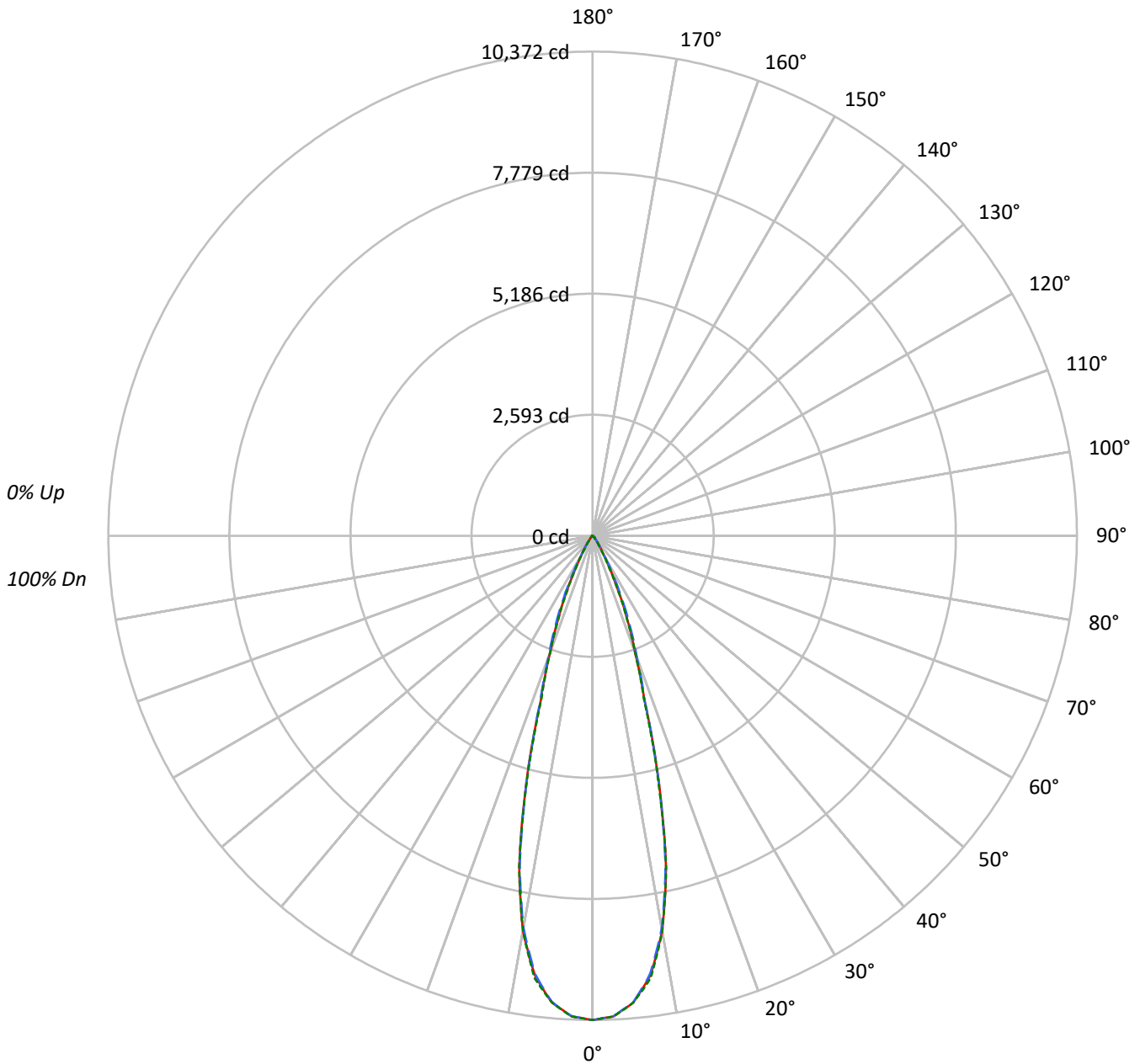


Downlight

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

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

	0°	45°	90°
0°	793946	793946	793946
5°	771155	770256	771193
10°	667938	663228	667775
15°	435792	433454	431275
20°	216705	224834	216412
25°	109160	123095	106922
30°	43706	47622	38076
35°	20268	19417	16278
40°	8753	9722	8243
45°	6170	7664	6224
50°	2120	5585	2239
55°	1228	2309	1294
60°	857	1010	857
65°	561	561	561
70°	336	224	336
75°	0	148	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 7664 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	912.1	28.3
10°-20°	1469.0	45.5
20°-30°	634.8	19.7
30°-40°	144.7	4.5
40°-50°	49.7	1.5
50°-60°	12.1	0.4
60°-70°	3.1	0.1
70°-80°	0.3	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°	3015.8	93.5
0°-40°	3160.5	98.0
0°-60°	3222.3	99.9
0°-90°	3225.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3225.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10372	10372	10372	10372	10372	
5°	10036	10027	10025	10046	10037	913
15°	5499	5433	5470	5452	5442	1473
25°	1292	1341	1458	1307	1266	619
35°	217	222	208	206	174	147
45°	57	71	71	71	58	40
55°	9	10	17	10	10	9
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	10372.5	10372.5	10372.5	10372.5	10372.5
2.5°	10303.8	10296.6	10300.7	10305.8	10307.8
5°	10036.4	10026.7	10024.7	10045.6	10036.9
7.5°	9497.1	9483.4	9462.5	9509.8	9554.1
10°	8593.7	8578.4	8533.1	8555.5	8591.6
12.5°	7259.9	7210.5	7209.5	7280.8	7271.1
15°	5499.4	5433.2	5469.9	5452.1	5442.4
17.5°	3698.2	3672.8	3721.6	3706.9	3643.2
20°	2660.4	2667.0	2760.2	2713.3	2656.8
22.5°	1941.3	1965.2	2075.7	1955.0	1910.7
25°	1292.5	1341.4	1457.5	1307.3	1266.0
27.5°	794.9	817.4	935.0	784.8	762.4
30°	494.5	483.3	538.8	462.4	430.8
32.5°	324.4	310.1	328.0	294.3	268.9
35°	216.9	221.5	207.8	206.2	174.2
37.5°	135.5	155.8	137.5	146.7	112.0
40°	87.6	113.1	97.3	107.5	82.5
42.5°	71.8	87.1	80.0	85.0	73.3
45°	57.0	70.8	70.8	70.8	57.5
47.5°	31.6	47.4	60.6	48.4	33.6
50°	17.8	23.9	46.9	25.0	18.8
52.5°	12.2	13.7	32.1	14.3	12.7
55°	9.2	9.7	17.3	10.2	9.7
57.5°	7.1	7.6	9.2	7.6	7.1
60°	5.6	5.6	6.6	6.1	5.6
62.5°	4.1	4.1	4.6	4.1	4.1
65°	3.1	3.1	3.1	3.1	3.1
67.5°	1.5	2.0	2.0	2.0	2.0
70°	1.5	1.0	1.0	1.0	1.5
72.5°	1.0	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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

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Scaled Data Report







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

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(END OF REPORT)