

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: P791340

Luminaire Tested: LER6D30D010-EC6DR3020359027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791340  
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: LER6D30D010-EC6DR3020359027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5537.5 lumens  
Efficiency: N/A  
Efficacy: 190.9 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): 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

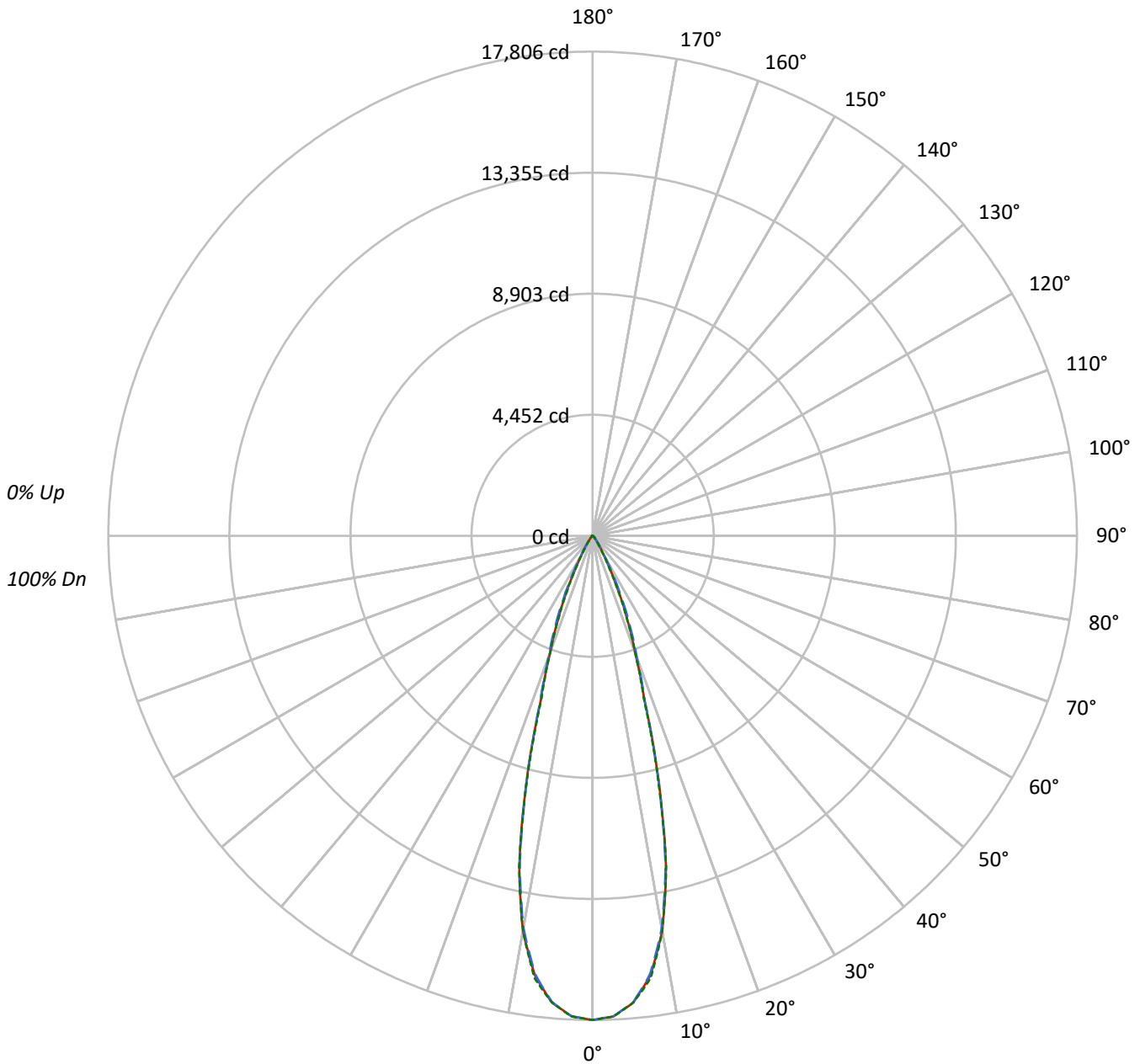


Downlight

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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	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°	1362924	1362924	1362924
5°	1323796	1322252	1323865
10°	1146611	1138520	1146339
15°	748107	744089	740349
20°	372000	385954	371495
25°	187383	211310	183549
30°	75030	81747	65369
35°	34798	33331	27939
40°	15028	16687	14149
45°	10598	13152	10695
50°	3644	9574	3846
55°	2095	3963	2215
60°	1470	1745	1470
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 13152 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1565.8	28.3
10°-20°	2521.7	45.5
20°-30°	1089.7	19.7
30°-40°	248.4	4.5
40°-50°	85.3	1.5
50°-60°	20.8	0.4
60°-70°	5.4	0.1
70°-80°	0.6	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°	5177.1	93.5
0°-40°	5425.5	98.0
0°-60°	5531.6	99.9
0°-90°	5537.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5537.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17806	17806	17806	17806	17806	
5°	17229	17212	17209	17245	17230	1567
15°	9441	9327	9390	9359	9343	2528
25°	2219	2303	2502	2244	2173	1062
35°	372	380	357	354	299	253
45°	98	122	122	122	99	70
55°	16	17	30	18	17	15
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
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°	17805.9	17805.9	17805.9	17805.9	17805.9
2.5°	17687.9	17675.6	17682.6	17691.3	17694.8
5°	17228.9	17212.3	17208.8	17244.6	17229.8
7.5°	16303.1	16279.5	16243.7	16325.0	16401.0
10°	14752.3	14726.0	14648.2	14686.7	14748.8
12.5°	12462.7	12377.9	12376.2	12498.6	12481.9
15°	9440.6	9326.9	9389.9	9359.3	9342.7
17.5°	6348.5	6304.8	6388.7	6363.4	6254.1
20°	4566.9	4578.2	4738.2	4657.8	4560.7
22.5°	3332.5	3373.6	3563.3	3356.1	3280.0
25°	2218.7	2302.7	2502.0	2244.1	2173.3
27.5°	1364.6	1403.1	1605.0	1347.2	1308.7
30°	848.9	829.6	924.9	793.8	739.6
32.5°	556.9	532.4	563.0	505.3	461.6
35°	372.4	380.3	356.7	354.1	299.0
37.5°	232.5	267.5	236.0	251.8	192.3
40°	150.4	194.1	167.0	184.5	141.6
42.5°	123.3	149.5	137.3	146.0	125.9
45°	97.9	121.5	121.5	121.5	98.8
47.5°	54.2	81.3	104.0	83.0	57.7
50°	30.6	41.1	80.4	42.8	32.3
52.5°	21.0	23.6	55.1	24.5	21.9
55°	15.7	16.6	29.7	17.5	16.6
57.5°	12.2	13.1	15.7	13.1	12.2
60°	9.6	9.6	11.4	10.5	9.6
62.5°	7.0	7.0	7.9	7.0	7.0
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.5	3.5	3.5	3.5
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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)