

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: P791373

Luminaire Tested: LER6D30D010-EC6DR3020359050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791373  
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-EC6DR3020359050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6436.4 lumens  
Efficiency: N/A  
Efficacy: 221.9 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

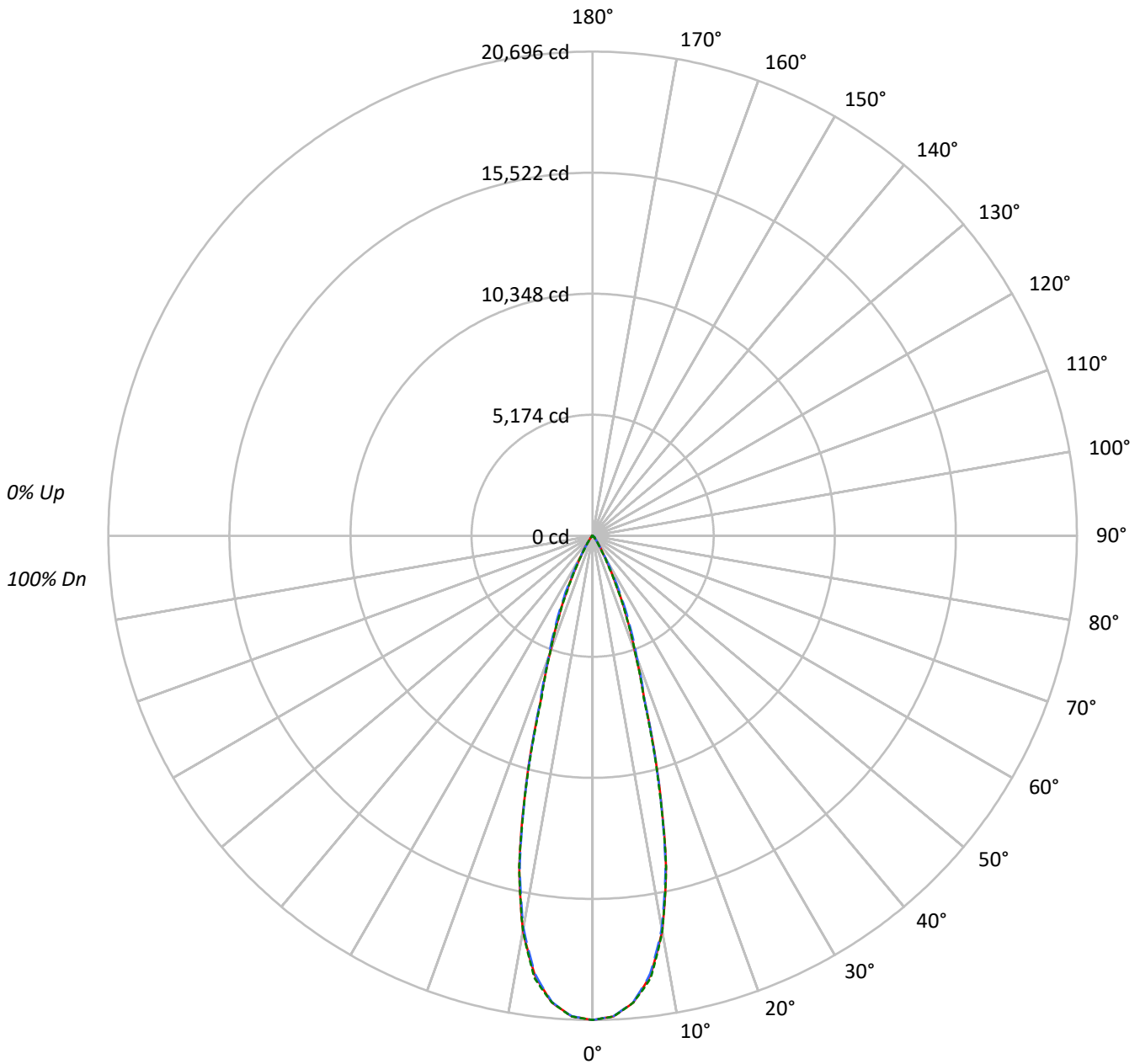


Downlight

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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°	1584157	1584157	1584157
5°	1538683	1536885	1538759
10°	1332729	1323332	1332418
15°	869540	864872	860522
20°	432384	448601	431805
25°	217804	245607	213345
30°	87200	95014	75975
35°	40451	38741	32471
40°	17466	19395	16447
45°	12319	15285	12427
50°	4239	11134	4477
55°	2442	4604	2576
60°	1715	2021	1715
65°	1105	1105	1105
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 15285 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1819.9	28.3
10°-20°	2931.0	45.5
20°-30°	1266.6	19.7
30°-40°	288.7	4.5
40°-50°	99.1	1.5
50°-60°	24.2	0.4
60°-70°	6.3	0.1
70°-80°	0.7	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°	6017.5	93.5
0°-40°	6306.1	98.0
0°-60°	6429.5	99.9
0°-90°	6436.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6436.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20696	20696	20696	20696	20696	
5°	20026	20006	20002	20044	20027	1821
15°	10973	10841	10914	10878	10859	2938
25°	2579	2676	2908	2608	2526	1234
35°	433	442	415	412	348	294
45°	114	141	141	141	115	81
55°	18	19	34	20	19	18
65°	6	6	6	6	6	6
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°	20696.2	20696.2	20696.2	20696.2	20696.2
2.5°	20559.0	20544.8	20552.9	20563.1	20567.2
5°	20025.6	20006.3	20002.2	20043.9	20026.6
7.5°	18949.5	18922.1	18880.4	18974.9	19063.3
10°	17146.9	17116.4	17026.0	17070.7	17142.9
12.5°	14485.7	14387.2	14385.1	14527.4	14508.1
15°	10973.0	10840.9	10914.1	10878.5	10859.2
17.5°	7379.0	7328.2	7425.8	7396.3	7269.3
20°	5308.2	5321.4	5507.3	5413.9	5301.1
22.5°	3873.4	3921.2	4141.7	3900.9	3812.5
25°	2578.9	2676.4	2908.1	2608.4	2526.1
27.5°	1586.2	1630.9	1865.6	1565.8	1521.1
30°	986.6	964.3	1075.0	922.6	859.6
32.5°	647.3	618.8	654.4	587.3	536.5
35°	432.9	442.0	414.6	411.5	347.5
37.5°	270.3	310.9	274.4	292.6	223.5
40°	174.8	225.6	194.1	214.4	164.6
42.5°	143.3	173.8	159.5	169.7	146.3
45°	113.8	141.2	141.2	141.2	114.8
47.5°	63.0	94.5	120.9	96.5	67.1
50°	35.6	47.8	93.5	49.8	37.6
52.5°	24.4	27.4	64.0	28.5	25.4
55°	18.3	19.3	34.5	20.3	19.3
57.5°	14.2	15.2	18.3	15.2	14.2
60°	11.2	11.2	13.2	12.2	11.2
62.5°	8.1	8.1	9.1	8.1	8.1
65°	6.1	6.1	6.1	6.1	6.1
67.5°	3.0	4.1	4.1	4.1	4.1
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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)