

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: P793284

Luminaire Tested: LER6D50D010-EC6DR3040509040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793284  
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: LER6D50D010-EC6DR3040509040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6261.9 lumens  
Efficiency: N/A  
Efficacy: 133.2 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): 47  
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

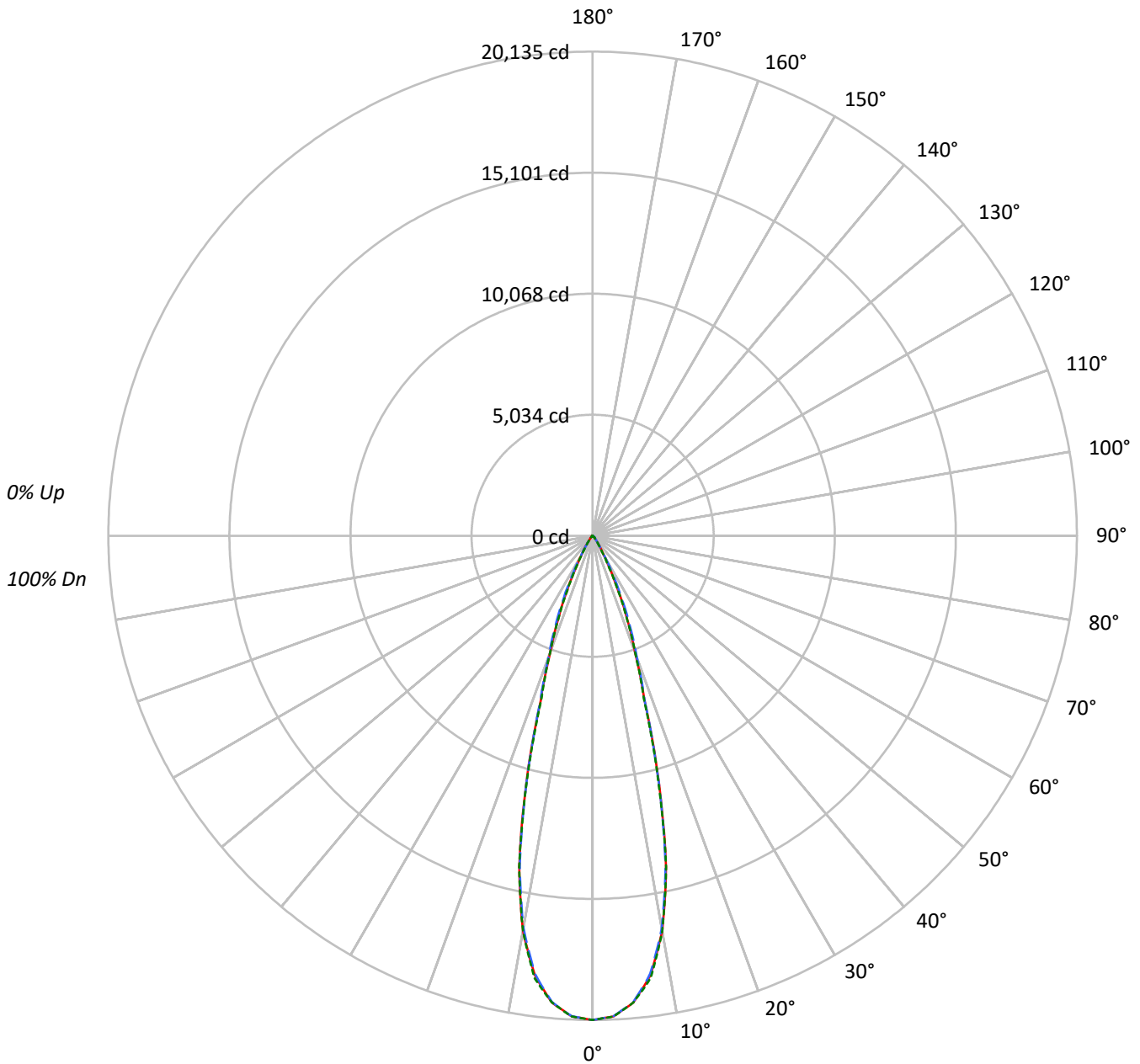


Downlight

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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°	1541194	1541194	1541194
5°	1496945	1495201	1497022
10°	1296587	1287439	1296276
15°	845957	841416	837184
20°	420654	436440	420092
25°	211901	238944	207551
30°	84840	92442	73916
35°	39349	37685	31593
40°	16986	18865	15997
45°	11983	14873	12091
50°	4120	10824	4358
55°	2375	4484	2509
60°	1669	1975	1669
65°	1069	1069	1069
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: 14873 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1770.6	28.3
10°-20°	2851.5	45.5
20°-30°	1232.2	19.7
30°-40°	280.8	4.5
40°-50°	96.4	1.5
50°-60°	23.6	0.4
60°-70°	6.1	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°	5854.3	93.5
0°-40°	6135.1	98.0
0°-60°	6255.1	99.9
0°-90°	6261.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6261.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20135	20135	20135	20135	20135	
5°	19482	19464	19460	19500	19483	1772
15°	10675	10547	10618	10584	10565	2858
25°	2509	2604	2829	2538	2458	1201
35°	421	430	403	400	338	286
45°	111	137	137	137	112	79
55°	18	19	34	20	19	17
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°	20134.9	20134.9	20134.9	20134.9	20134.9
2.5°	20001.4	19987.6	19995.5	20005.4	20009.3
5°	19482.4	19463.7	19459.7	19500.2	19483.4
7.5°	18435.6	18408.9	18368.3	18460.3	18546.3
10°	16681.9	16652.2	16564.2	16607.7	16677.9
12.5°	14092.8	13997.0	13995.0	14133.4	14114.6
15°	10675.4	10546.9	10618.1	10583.5	10564.7
17.5°	7178.9	7129.5	7224.4	7195.7	7072.1
20°	5164.2	5177.1	5358.0	5267.0	5157.3
22.5°	3768.4	3814.8	4029.4	3795.1	3709.1
25°	2509.0	2603.9	2829.2	2537.6	2457.5
27.5°	1543.1	1586.6	1815.0	1523.4	1479.9
30°	959.9	938.1	1045.9	897.6	836.3
32.5°	629.7	602.0	636.6	571.4	522.0
35°	421.1	430.0	403.3	400.4	338.1
37.5°	263.0	302.5	266.9	284.7	217.5
40°	170.0	219.5	188.8	208.6	160.1
42.5°	139.4	169.0	155.2	165.1	142.4
45°	110.7	137.4	137.4	137.4	111.7
47.5°	61.3	91.9	117.6	93.9	65.2
50°	34.6	46.5	90.9	48.4	36.6
52.5°	23.7	26.7	62.3	27.7	24.7
55°	17.8	18.8	33.6	19.8	18.8
57.5°	13.8	14.8	17.8	14.8	13.8
60°	10.9	10.9	12.9	11.9	10.9
62.5°	7.9	7.9	8.9	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	3.0	4.0	4.0	4.0	4.0
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



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Scaled Data Report







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

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(END OF REPORT)