

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: P787112

Luminaire Tested: LER6D02D010-EC6DR300210IC9050-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787112  
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: LER6D02D010-EC6DR300210IC9050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 662.3 lumens  
Efficiency: N/A  
Efficacy: 129.9 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): 5.1  
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

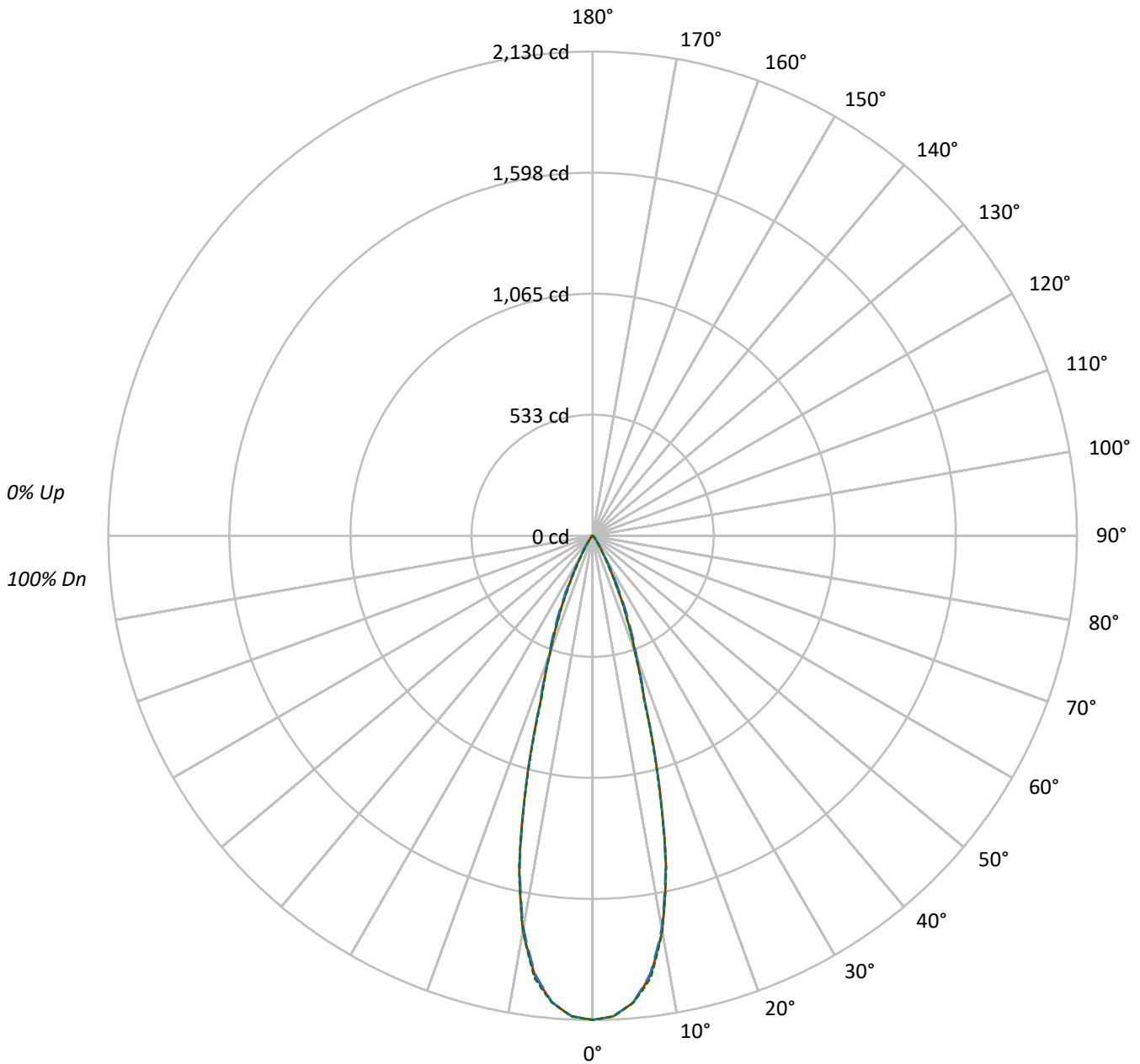


Downlight

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

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

	0°	45°	90°
0°	163007	163007	163007
5°	158328	158143	158335
10°	137137	136165	137098
15°	89474	88991	88547
20°	44491	46161	44434
25°	22415	25269	21950
30°	8971	9775	7822
35°	4158	3990	3345
40°	1799	1998	1689
45°	1267	1570	1277
50°	441	1143	464
55°	254	480	267
60°	184	214	184
65°	109	109	109
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1570 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.3	28.3
10°-20°	301.6	45.5
20°-30°	130.3	19.7
30°-40°	29.7	4.5
40°-50°	10.2	1.5
50°-60°	2.5	0.4
60°-70°	0.6	0.1
70°-80°	0.1	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°	619.2	93.5
0°-40°	648.9	98.0
0°-60°	661.6	99.9
0°-90°	662.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2130	2130	2130	2130	2130	
5°	2061	2059	2058	2062	2061	187
15°	1129	1116	1123	1119	1117	302
25°	265	275	299	268	260	127
35°	44	46	43	42	36	30
45°	12	14	14	14	12	8
55°	2	2	4	2	2	2
65°	1	1	1	1	1	1
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°	2129.6	2129.6	2129.6	2129.6	2129.6
2.5°	2115.4	2114.0	2114.8	2115.9	2116.3
5°	2060.6	2058.6	2058.2	2062.4	2060.7
7.5°	1949.8	1947.0	1942.7	1952.4	1961.5
10°	1764.4	1761.2	1751.9	1756.5	1763.9
12.5°	1490.5	1480.4	1480.2	1494.8	1492.8
15°	1129.1	1115.5	1123.0	1119.4	1117.4
17.5°	759.3	754.0	764.1	761.1	748.0
20°	546.2	547.6	566.7	557.1	545.5
22.5°	398.6	403.5	426.2	401.4	392.3
25°	265.4	275.4	299.2	268.4	259.9
27.5°	163.2	167.8	192.0	161.1	156.5
30°	101.5	99.2	110.6	94.9	88.5
32.5°	66.6	63.7	67.3	60.4	55.2
35°	44.5	45.5	42.7	42.3	35.8
37.5°	27.8	32.0	28.2	30.1	23.0
40°	18.0	23.2	20.0	22.1	16.9
42.5°	14.7	17.9	16.4	17.5	15.1
45°	11.7	14.5	14.5	14.5	11.8
47.5°	6.5	9.7	12.4	9.9	6.9
50°	3.7	4.9	9.6	5.1	3.9
52.5°	2.5	2.8	6.6	2.9	2.6
55°	1.9	2.0	3.6	2.1	2.0
57.5°	1.5	1.6	1.9	1.6	1.5
60°	1.2	1.2	1.4	1.3	1.2
62.5°	0.8	0.8	0.9	0.8	0.8
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.3	0.4	0.4	0.4	0.4
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)