

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: P786930

Luminaire Tested: LER6D02D010-EC6DR150210IC9024-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P786930  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D02D010-EC6DR150210IC9024-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 309.3 lumens  
Efficiency: N/A  
Efficacy: 60.7 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
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

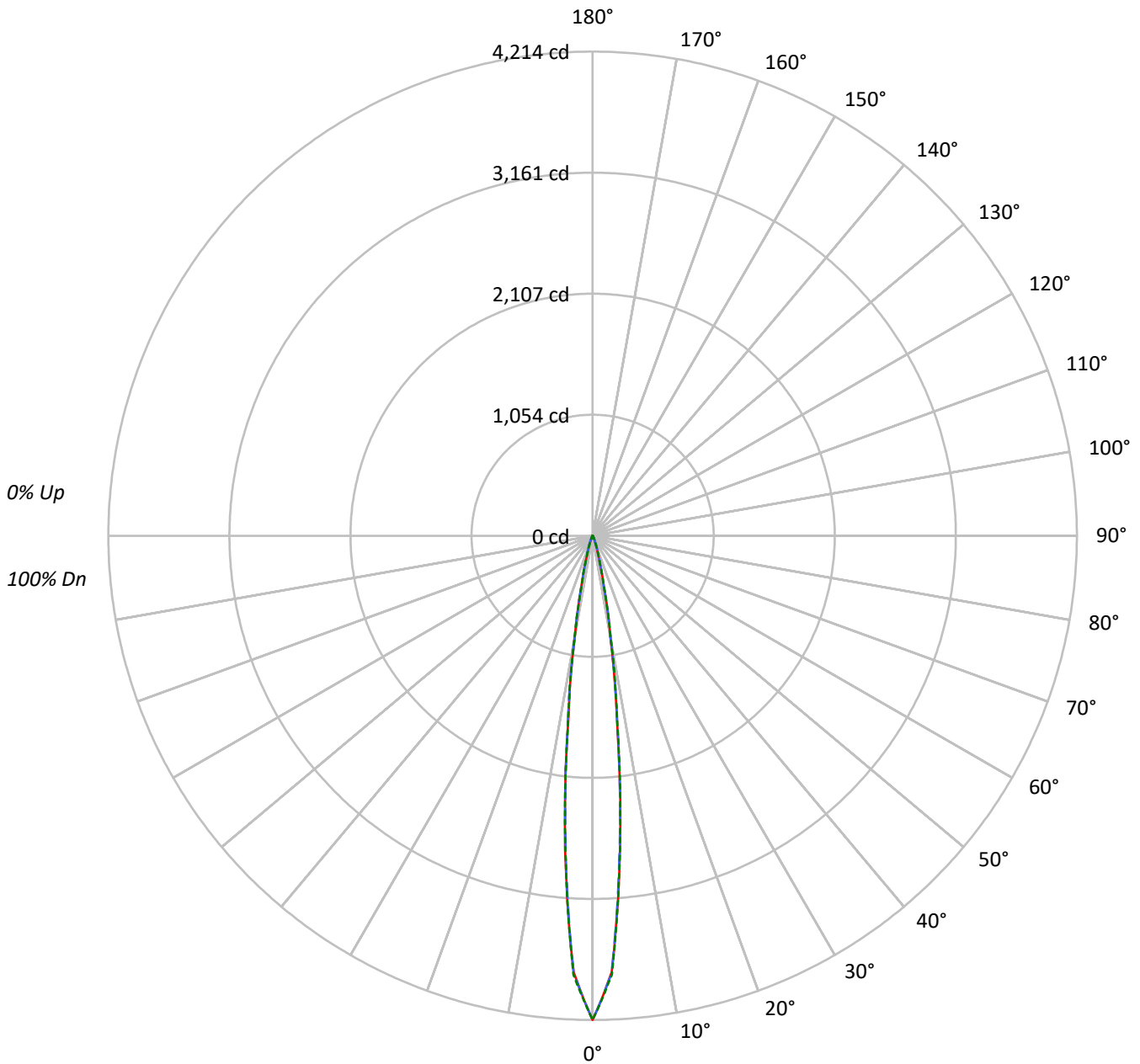


Downlight

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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

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

	0°	45°	90°
0°	474215	474215	474215
5°	278666	275059	277233
10°	83165	83753	85031
15°	20689	21089	20437
20°	6186	7168	6325
25°	2181	2781	2212
30°	801	1056	816
35°	399	450	392
40°	256	277	256
45°	189	203	189
50°	146	146	146
55°	125	125	125
60°	98	98	98
65°	79	79	79
70°	66	66	66
75°	38	38	53
80°	32	32	32
85°	17	17	17

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 203 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.6	64.9
10°-20°	82.5	26.7
20°-30°	16.4	5.3
30°-40°	4.1	1.3
40°-50°	2.1	0.7
50°-60°	1.6	0.5
60°-70°	1.1	0.4
70°-80°	0.6	0.2
80°-90°	0.2	0.1
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°	299.5	96.8
0°-40°	303.6	98.2
0°-60°	307.4	99.4
0°-90°	309.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	309.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4214	4214	4214	4214	4214	
5°	2742	2714	2706	2725	2728	200
15°	238	243	243	238	235	82
25°	28	32	36	32	28	15
35°	6	6	6	6	5	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4214.5	4214.5	4214.5	4214.5	4214.5
2.5°	3801.6	3804.8	3806.1	3809.8	3823.7
5°	2742.0	2713.8	2706.5	2725.2	2727.9
7.5°	1624.3	1630.0	1650.8	1655.5	1638.7
10°	891.3	898.7	897.6	904.0	911.3
12.5°	455.8	450.1	448.4	455.7	445.5
15°	238.2	242.6	242.8	238.5	235.3
17.5°	128.1	133.3	141.8	134.9	124.2
20°	75.6	80.3	87.6	81.9	77.3
22.5°	46.7	50.5	55.7	51.2	47.5
25°	28.0	31.8	35.7	31.6	28.4
27.5°	16.6	19.8	22.3	19.6	16.4
30°	10.7	12.5	14.1	12.3	10.9
32.5°	7.5	8.2	8.9	8.2	7.5
35°	5.5	5.9	6.2	5.9	5.4
37.5°	4.3	4.6	4.8	4.5	4.1
40°	3.6	3.7	3.9	3.7	3.6
42.5°	3.0	3.2	3.2	3.2	3.0
45°	2.7	2.7	2.9	2.7	2.7
47.5°	2.3	2.3	2.5	2.3	2.3
50°	2.1	2.1	2.1	2.1	2.1
52.5°	2.0	2.0	2.0	2.0	2.0
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.5	0.5	0.5	0.5	0.7
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
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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