

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: P788946

Luminaire Tested: LER6D10D010-EC6DR300210IC9024-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788946  
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: LER6D10D010-EC6DR300210IC9024-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1378.6 lumens  
Efficiency: N/A  
Efficacy: 117.8 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): 11.7  
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

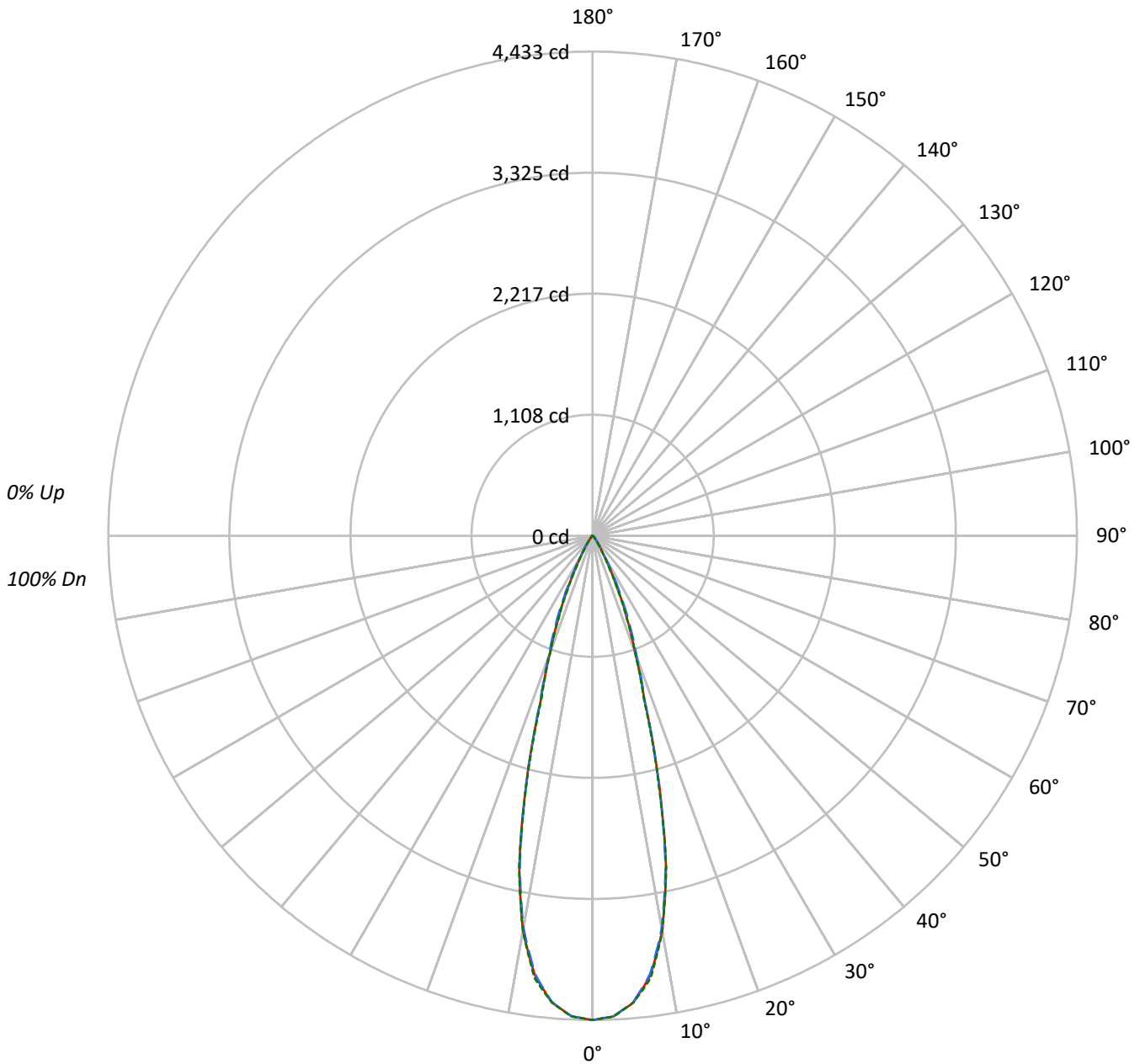


Downlight

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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°	339317	339317	339317
5°	329572	329188	329587
10°	285458	283445	285395
15°	186246	185248	184321
20°	92615	96085	92485
25°	46654	52608	45699
30°	18676	20355	16272
35°	8662	8298	6952
40°	3737	4157	3527
45°	2641	3280	2663
50°	905	2382	965
55°	520	988	547
60°	367	429	367
65°	235	235	235
70°	157	90	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 3280 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.8	28.3
10°-20°	627.8	45.5
20°-30°	271.3	19.7
30°-40°	61.8	4.5
40°-50°	21.2	1.5
50°-60°	5.2	0.4
60°-70°	1.3	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°	1288.9	93.5
0°-40°	1350.7	98.0
0°-60°	1377.1	99.9
0°-90°	1378.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1378.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4433	4433	4433	4433	4433	
5°	4289	4285	4284	4293	4290	390
15°	2350	2322	2338	2330	2326	629
25°	552	573	623	559	541	264
35°	93	95	89	88	74	63
45°	24	30	30	30	25	17
55°	4	4	7	4	4	4
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4433.0	4433.0	4433.0	4433.0	4433.0
2.5°	4403.6	4400.5	4402.3	4404.5	4405.3
5°	4289.3	4285.2	4284.3	4293.2	4289.5
7.5°	4058.8	4053.0	4044.0	4064.3	4083.2
10°	3672.7	3666.2	3646.8	3656.4	3671.9
12.5°	3102.7	3081.6	3081.2	3111.7	3107.5
15°	2350.3	2322.0	2337.7	2330.1	2326.0
17.5°	1580.5	1569.6	1590.5	1584.2	1557.0
20°	1137.0	1139.8	1179.6	1159.6	1135.4
22.5°	829.7	839.9	887.1	835.5	816.6
25°	552.4	573.3	622.9	558.7	541.1
27.5°	339.7	349.3	399.6	335.4	325.8
30°	211.3	206.5	230.3	197.6	184.1
32.5°	138.6	132.5	140.2	125.8	114.9
35°	92.7	94.7	88.8	88.1	74.4
37.5°	57.9	66.6	58.8	62.7	47.9
40°	37.4	48.3	41.6	45.9	35.3
42.5°	30.7	37.2	34.2	36.3	31.3
45°	24.4	30.3	30.3	30.3	24.6
47.5°	13.5	20.2	25.9	20.7	14.4
50°	7.6	10.2	20.0	10.7	8.1
52.5°	5.2	5.9	13.7	6.1	5.4
55°	3.9	4.1	7.4	4.4	4.1
57.5°	3.0	3.3	3.9	3.3	3.0
60°	2.4	2.4	2.8	2.6	2.4
62.5°	1.7	1.7	2.0	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.4	0.4	0.4	0.7
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)