

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: P790234

Luminaire Tested: LER6D20D010-EC6DR3520359027-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790234  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D20D010-EC6DR3520359027-6LBDDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2903.4 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

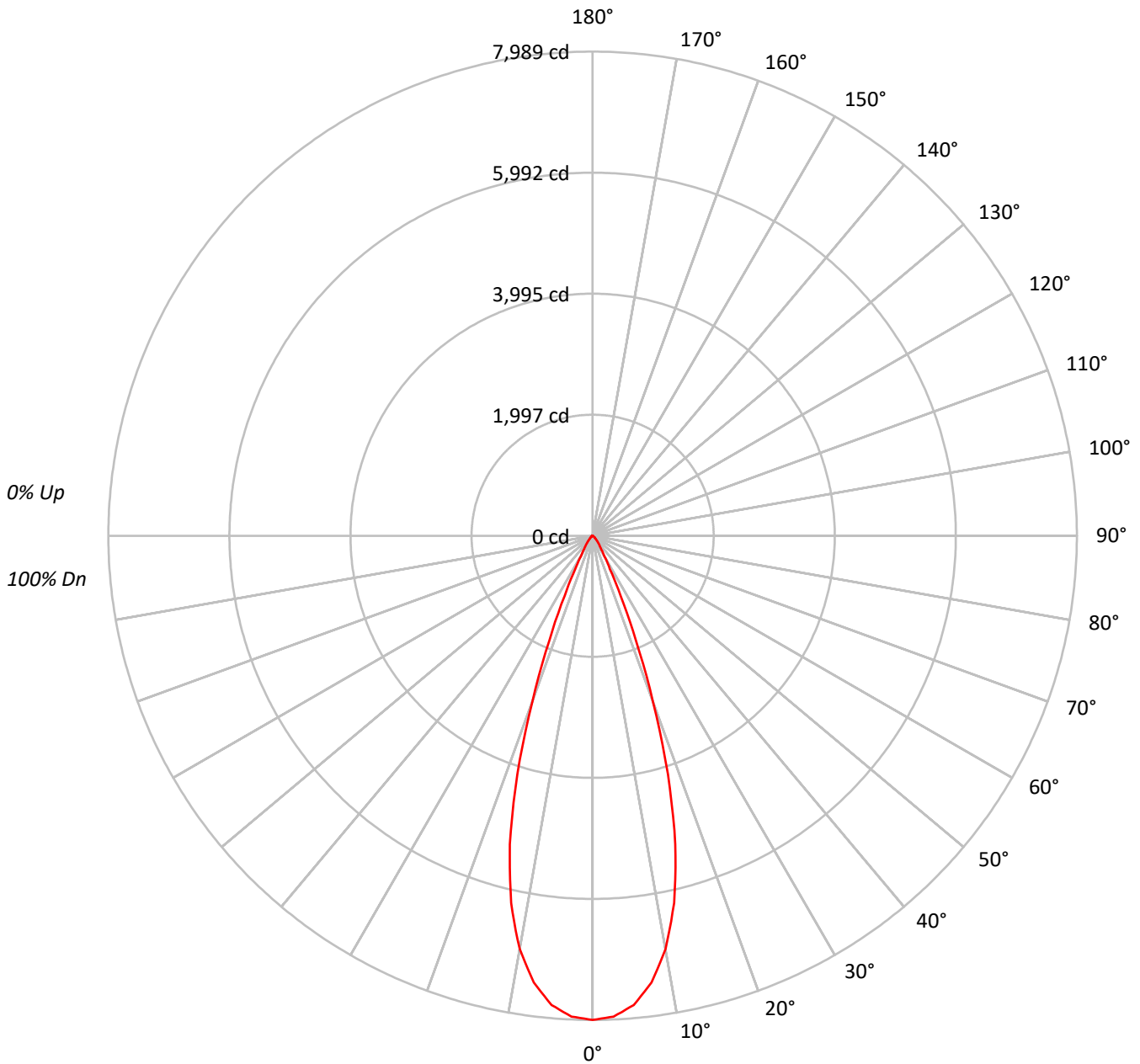
Input Watts (W): 23.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	100	100	100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96	96	96	96
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88	88	88	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84	84	84	84
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81	81	81	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78	78	78	78
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75	75	75	75
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72	72	72	72
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70	70	70	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68	68	68	68

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

	0°
0°	872851
5°	852342
10°	768181
15°	596241
20°	338180
25°	131563
30°	49078
35°	26903
40°	17586
45°	10708
50°	6816
55°	4819
60°	3518
65°	1913
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10708 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	714.7	24.6
10°-20°	1395.5	48.1
20°-30°	569.1	19.6
30°-40°	136.2	4.7
40°-50°	56.8	2.0
50°-60°	23.5	0.8
60°-70°	7.4	0.3
70°-80°	0.2	0.0
80°-90°	0.1	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°	2679.3	92.3
0°-40°	2815.5	97.0
0°-60°	2895.8	99.7
0°-90°	2903.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2903.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7989	
5°	7771	715
15°	5271	1395
25°	1091	569
35°	202	136
45°	69	57
55°	25	24
65°	7	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7988.7
2.5°	7940.8
5°	7771.3
7.5°	7433.2
10°	6923.9
12.5°	6206.8
15°	5271.1
17.5°	4126.6
20°	2908.5
22.5°	1854.6
25°	1091.3
27.5°	616.9
30°	389.0
32.5°	273.2
35°	201.7
37.5°	156.0
40°	123.3
42.5°	95.0
45°	69.3
47.5°	51.8
50°	40.1
52.5°	31.8
55°	25.3
57.5°	20.5
60°	16.1
62.5°	11.8
65°	7.4
67.5°	2.6
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)