

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: P791278

Luminaire Tested: LER6D30D010-EC6DR2015309050-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791278  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR2015309050-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3620.6 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

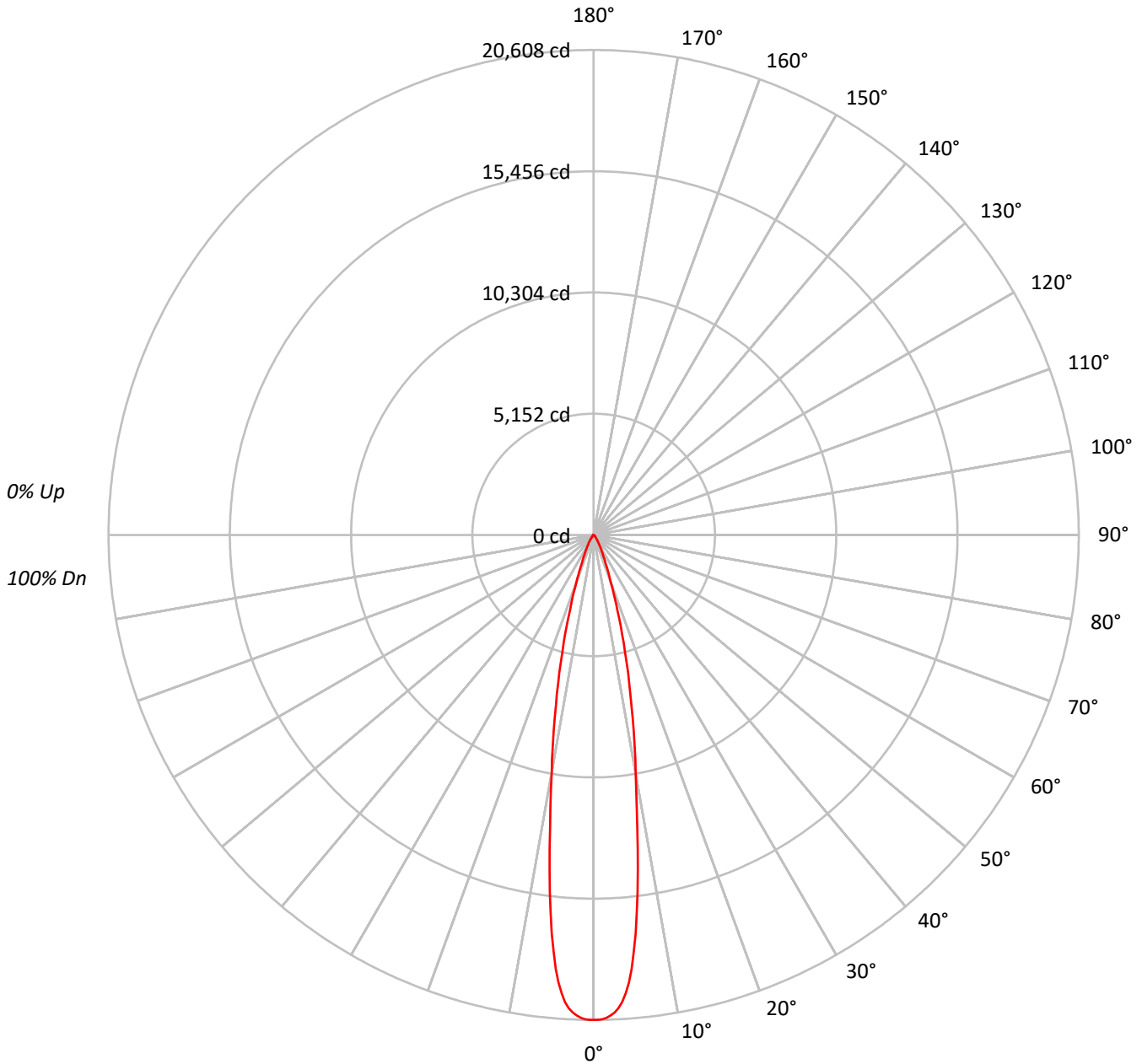
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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				100															
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	98	97															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	96	95															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	98	96	95															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	96	94	93															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	94	92	91															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	92	90	89															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	90	88	87															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	88	86	85															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	86	84	83															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	84	82	81															

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

	0°
0°	2251613
5°	2031370
10°	1140117
15°	579545
20°	245371
25°	113262
30°	59965
35°	32305
40°	17272
45°	10214
50°	5932
55°	3143
60°	2010
65°	1422
70°	575
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10214 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1467.2	40.5
10°-20°	1444.8	39.9
20°-30°	472.0	13.0
30°-40°	160.7	4.4
40°-50°	54.0	1.5
50°-60°	16.3	0.4
60°-70°	5.4	0.1
70°-80°	0.2	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°	3384.0	93.5
0°-40°	3544.6	97.9
0°-60°	3615.0	99.8
0°-90°	3620.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3620.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	20608	
5°	18521	###
15°	5124	1445
25°	940	472
35°	242	161
45°	66	54
55°	16	16
65°	6	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	20607.7
0.5°	20607.7
1°	20582.0
1.5°	20530.6
2°	20437.0
2.5°	20312.2
3°	20136.1
3.5°	19890.2
4°	19525.0
4.5°	19080.9
5°	18521.2
5.5°	17785.4
6°	17031.2
6.5°	16166.8
7°	15320.9
7.5°	14330.0
8°	13445.5
8.5°	12555.5
9°	11733.4
9.5°	10979.1
10°	10276.3
12.5°	7378.8
15°	5123.5
17.5°	3347.1
20°	2110.3
22.5°	1367.1
25°	939.5
27.5°	660.6
30°	475.3
32.5°	341.3
35°	242.2
37.5°	168.8
40°	121.1
42.5°	88.1
45°	66.1
47.5°	51.4
50°	34.9
52.5°	22.0
55°	16.5
57.5°	12.8
60°	9.2
62.5°	7.3
65°	5.5



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**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°

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Scaled Data Report



67.5°		3.7
70°		1.8

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Scaled Data Report



(END OF REPORT)