

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: P790124

Luminaire Tested: LER6D20D010-EC6DR2015309050-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790124  
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: LER6D20D010-EC6DR2015309050-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2293.2 lumens  
Efficiency: N/A  
Efficacy: 99.3 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): 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

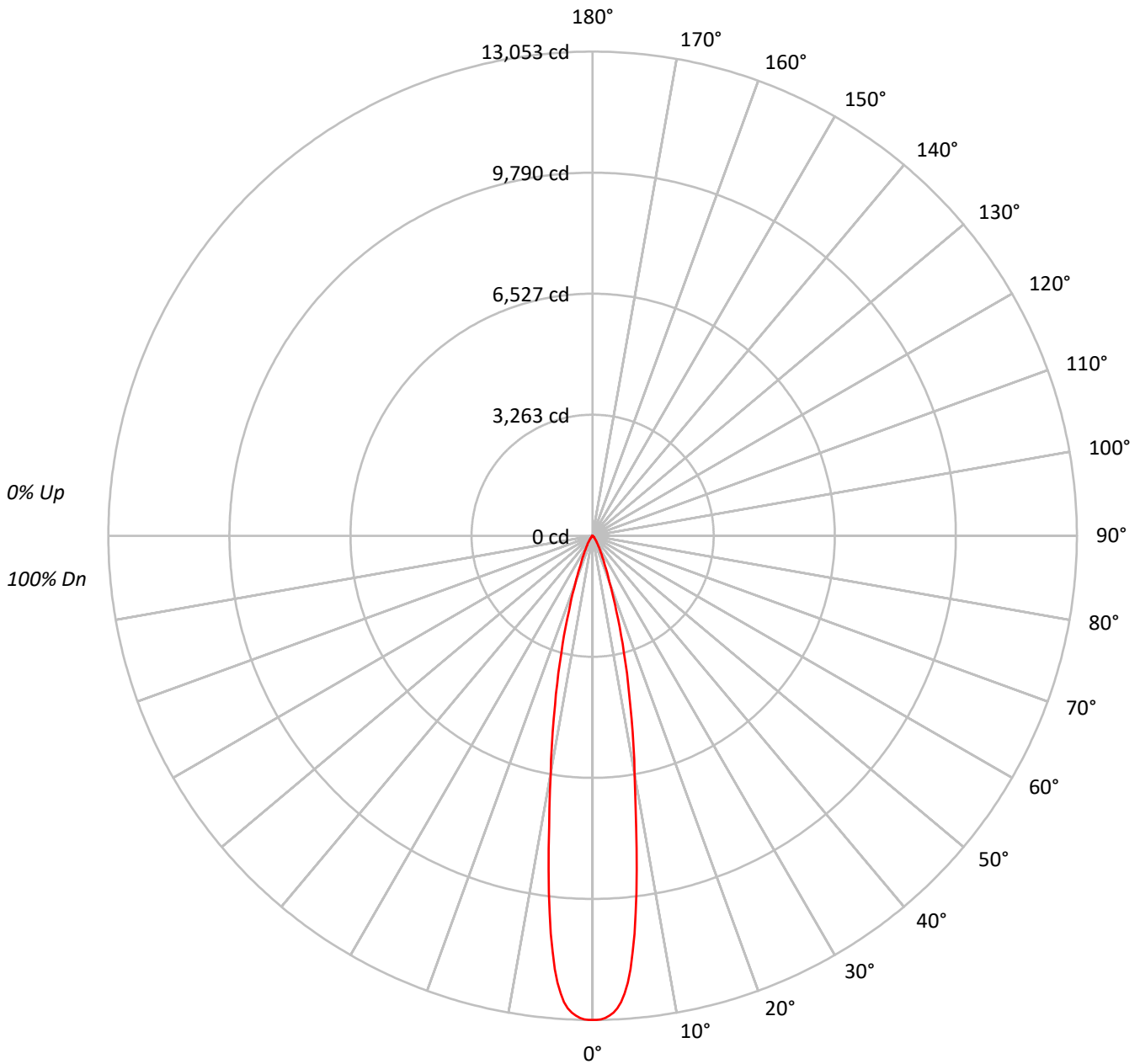


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	91	89	88															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	89	87	86															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	87	85	84															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	85	83	82															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	83	81	80															

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

	0°
0°	1426159
5°	1286667
10°	722149
15°	367081
20°	155422
25°	71743
30°	37975
35°	20461
40°	10940
45°	6459
50°	3757
55°	2000
60°	1267
65°	905
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6459 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	929.3	40.5
10°-20°	915.1	39.9
20°-30°	298.9	13.0
30°-40°	101.8	4.4
40°-50°	34.2	1.5
50°-60°	10.3	0.4
60°-70°	3.4	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°	2143.4	93.5
0°-40°	2245.2	97.9
0°-60°	2289.7	99.8
0°-90°	2293.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2293.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13053	
5°	11731	929
15°	3245	915
25°	595	299
35°	153	102
45°	42	34
55°	10	10
65°	4	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13052.8
0.5°	13052.8
1°	13036.5
1.5°	13004.0
2°	12944.7
2.5°	12865.7
3°	12754.1
3.5°	12598.4
4°	12367.1
4.5°	12085.8
5°	11731.3
5.5°	11265.2
6°	10787.5
6.5°	10240.0
7°	9704.2
7.5°	9076.5
8°	8516.3
8.5°	7952.6
9°	7431.9
9.5°	6954.1
10°	6509.0
12.5°	4673.7
15°	3245.2
17.5°	2120.1
20°	1336.7
22.5°	865.9
25°	595.1
27.5°	418.4
30°	301.0
32.5°	216.2
35°	153.4
37.5°	106.9
40°	76.7
42.5°	55.8
45°	41.8
47.5°	32.5
50°	22.1
52.5°	13.9
55°	10.5
57.5°	8.1
60°	5.8
62.5°	4.6
65°	3.5



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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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67.5°		2.3
70°		1.2

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(END OF REPORT)