

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: P790091

Luminaire Tested: LER6D20D010-EC6DR2015309027-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790091  
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-EC6DR2015309027-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1938.6 lumens  
Efficiency: N/A  
Efficacy: 83.9 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

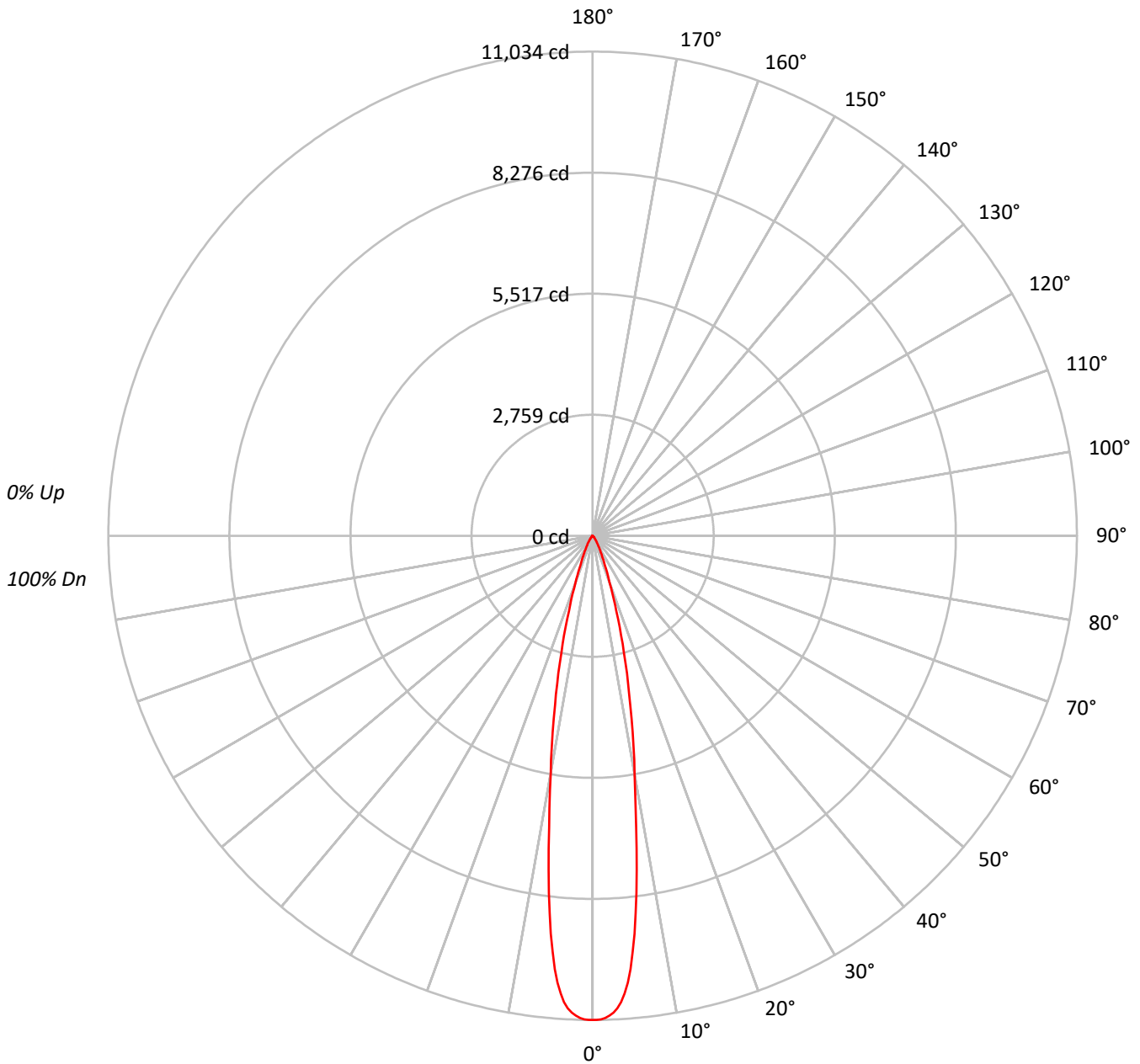


Downlight

TEST NUMBER: P790091

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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	96	95	94																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	91																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89	88																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	86	85	83																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83	81																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	82	81	79																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79	77																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77	75																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75	73																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	74	73	71																

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

	0°
0°	1205594
5°	1087667
10°	610460
15°	310309
20°	131377
25°	60652
30°	32109
35°	17300
40°	9242
45°	5470
50°	3179
55°	1676
60°	1071
65°	750
70°	319
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5470 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	785.6	40.5
10°-20°	773.6	39.9
20°-30°	252.7	13.0
30°-40°	86.0	4.4
40°-50°	28.9	1.5
50°-60°	8.7	0.4
60°-70°	2.9	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°	1811.9	93.5
0°-40°	1897.9	97.9
0°-60°	1935.6	99.8
0°-90°	1938.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1938.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11034	
5°	9917	786
15°	2743	774
25°	503	253
35°	130	86
45°	35	29
55°	9	9
65°	3	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11034.1
0.5°	11034.1
1°	11020.3
1.5°	10992.8
2°	10942.7
2.5°	10875.9
3°	10781.5
3.5°	10649.9
4°	10454.4
4.5°	10216.6
5°	9916.9
5.5°	9522.9
6°	9119.1
6.5°	8656.3
7°	8203.3
7.5°	7672.8
8°	7199.2
8.5°	6722.6
9°	6282.4
9.5°	5878.6
10°	5502.3
12.5°	3950.8
15°	2743.3
17.5°	1792.2
20°	1129.9
22.5°	732.0
25°	503.1
27.5°	353.7
30°	254.5
32.5°	182.8
35°	129.7
37.5°	90.4
40°	64.8
42.5°	47.2
45°	35.4
47.5°	27.5
50°	18.7
52.5°	11.8
55°	8.8
57.5°	6.9
60°	4.9
62.5°	3.9
65°	2.9



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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°		2.0
70°		1.0

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(END OF REPORT)