

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: P762064

Luminaire Tested: LD6D20D010-EU6DR2015309040-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762064  
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: LD6D20D010-EU6DR2015309040-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1762.2 lumens  
Efficiency: N/A  
Efficacy: 76.3 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 (Ain): 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



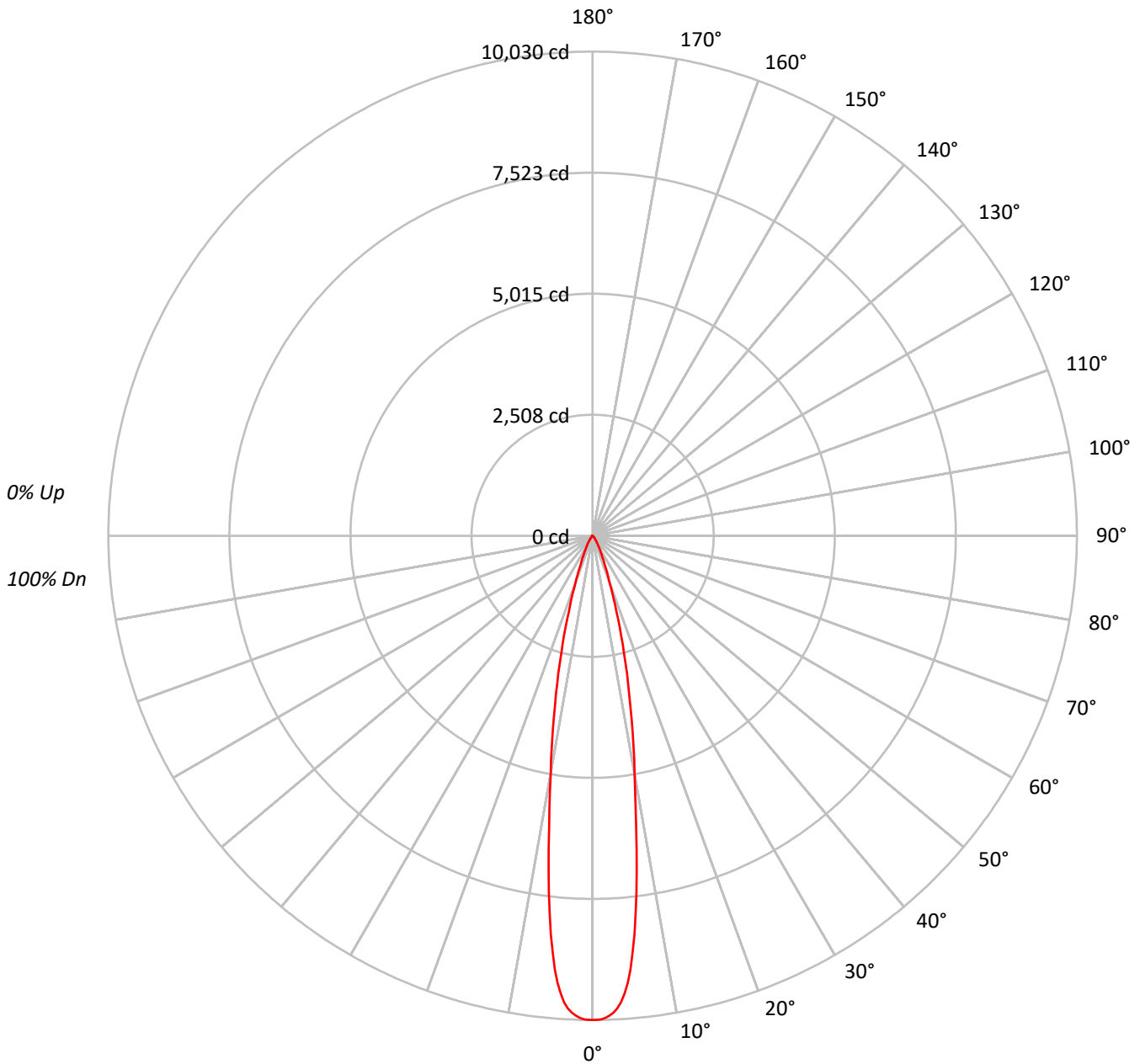
Downlight



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

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

	0°
0°	1095853
5°	988671
10°	554898
15°	282064
20°	119424
25°	55130
30°	29182
35°	15726
40°	8401
45°	4975
50°	2890
55°	1524
60°	983
65°	698
70°	288
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4975 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	714.1	40.5
10°-20°	703.2	39.9
20°-30°	229.7	13.0
30°-40°	78.2	4.4
40°-50°	26.3	1.5
50°-60°	7.9	0.4
60°-70°	2.7	0.2
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°	1647.0	93.5
0°-40°	1725.2	97.9
0°-60°	1759.4	99.8
0°-90°	1762.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1762.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10030	
5°	9014	714
15°	2494	703
25°	457	230
35°	118	78
45°	32	26
55°	8	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10029.7
0.5°	10029.7
1°	10017.2
1.5°	9992.2
2°	9946.7
2.5°	9886.0
3°	9800.2
3.5°	9680.5
4°	9502.8
4.5°	9286.7
5°	9014.3
5.5°	8656.1
6°	8289.1
6.5°	7868.4
7°	7456.7
7.5°	6974.4
8°	6543.9
8.5°	6110.7
9°	5710.6
9.5°	5343.5
10°	5001.5
12.5°	3591.2
15°	2493.6
17.5°	1629.1
20°	1027.1
22.5°	665.4
25°	457.3
27.5°	321.5
30°	231.3
32.5°	166.1
35°	117.9
37.5°	82.2
40°	58.9
42.5°	42.9
45°	32.2
47.5°	25.0
50°	17.0
52.5°	10.7
55°	8.0
57.5°	6.3
60°	4.5
62.5°	3.6
65°	2.7



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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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Scaled Data Report





— 0°-180°

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67.5°		1.8
70°		0.9

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(END OF REPORT)