

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: P762027

Luminaire Tested: LD6D20D010-EU6DR2015309030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762027
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-EU6DR2015309030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1899.3 lumens
Efficiency: N/A
Efficacy: 82.2 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

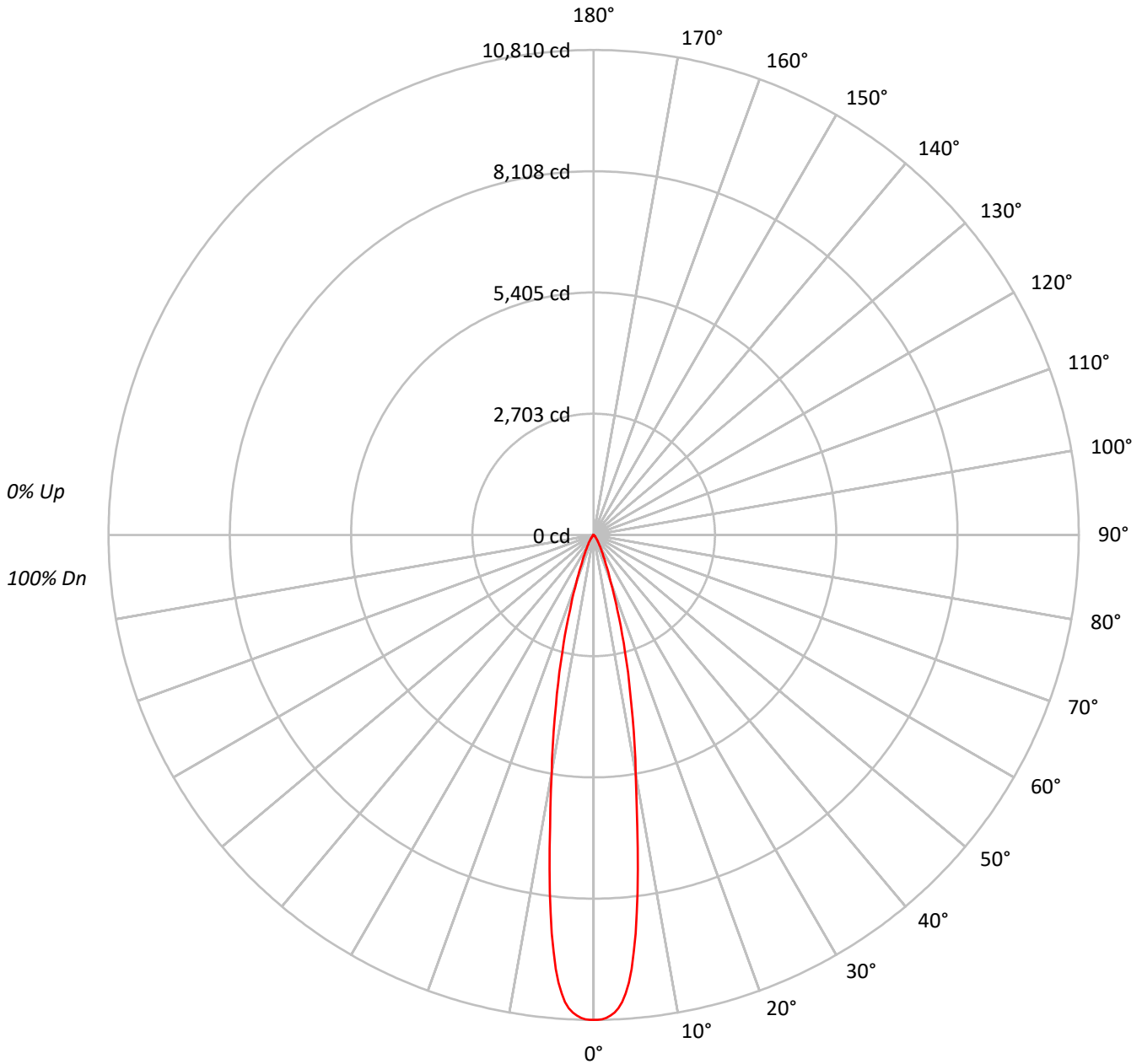


Downlight



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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°	1181120
5°	1065589
10°	598067
15°	304008
20°	128714
25°	59422
30°	31453
35°	16953
40°	9057
45°	5362
50°	3111
55°	1657
60°	1049
65°	750
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5362 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.7	40.5
10°-20°	757.9	39.9
20°-30°	247.6	13.0
30°-40°	84.3	4.4
40°-50°	28.4	1.5
50°-60°	8.5	0.4
60°-70°	2.9	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°	1775.1	93.5
0°-40°	1859.4	97.9
0°-60°	1896.3	99.8
0°-90°	1899.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10810	
5°	9716	770
15°	2688	758
25°	493	248
35°	127	84
45°	35	28
55°	9	9
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10810.1
0.5°	10810.1
1°	10796.6
1.5°	10769.6
2°	10720.6
2.5°	10655.1
3°	10562.7
3.5°	10433.7
4°	10242.1
4.5°	10009.2
5°	9715.6
5.5°	9329.6
6°	8934.0
6.5°	8480.6
7°	8036.8
7.5°	7517.0
8°	7053.0
8.5°	6586.2
9°	6154.9
9.5°	5759.3
10°	5390.6
12.5°	3870.6
15°	2687.6
17.5°	1755.8
20°	1107.0
22.5°	717.1
25°	492.9
27.5°	346.5
30°	249.3
32.5°	179.0
35°	127.1
37.5°	88.6
40°	63.5
42.5°	46.2
45°	34.7
47.5°	27.0
50°	18.3
52.5°	11.6
55°	8.7
57.5°	6.7
60°	4.8
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

Signify Classified - Internal
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Scaled Data Report





— 0°-180°

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67.5°		1.9
70°		1.0

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(END OF REPORT)