

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: P761054

Luminaire Tested: LD6D15D010-EU6DR2015309035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761054
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: LD6D15D010-EU6DR2015309035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1460.1 lumens
Efficiency: N/A
Efficacy: 92.4 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): 15.8
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

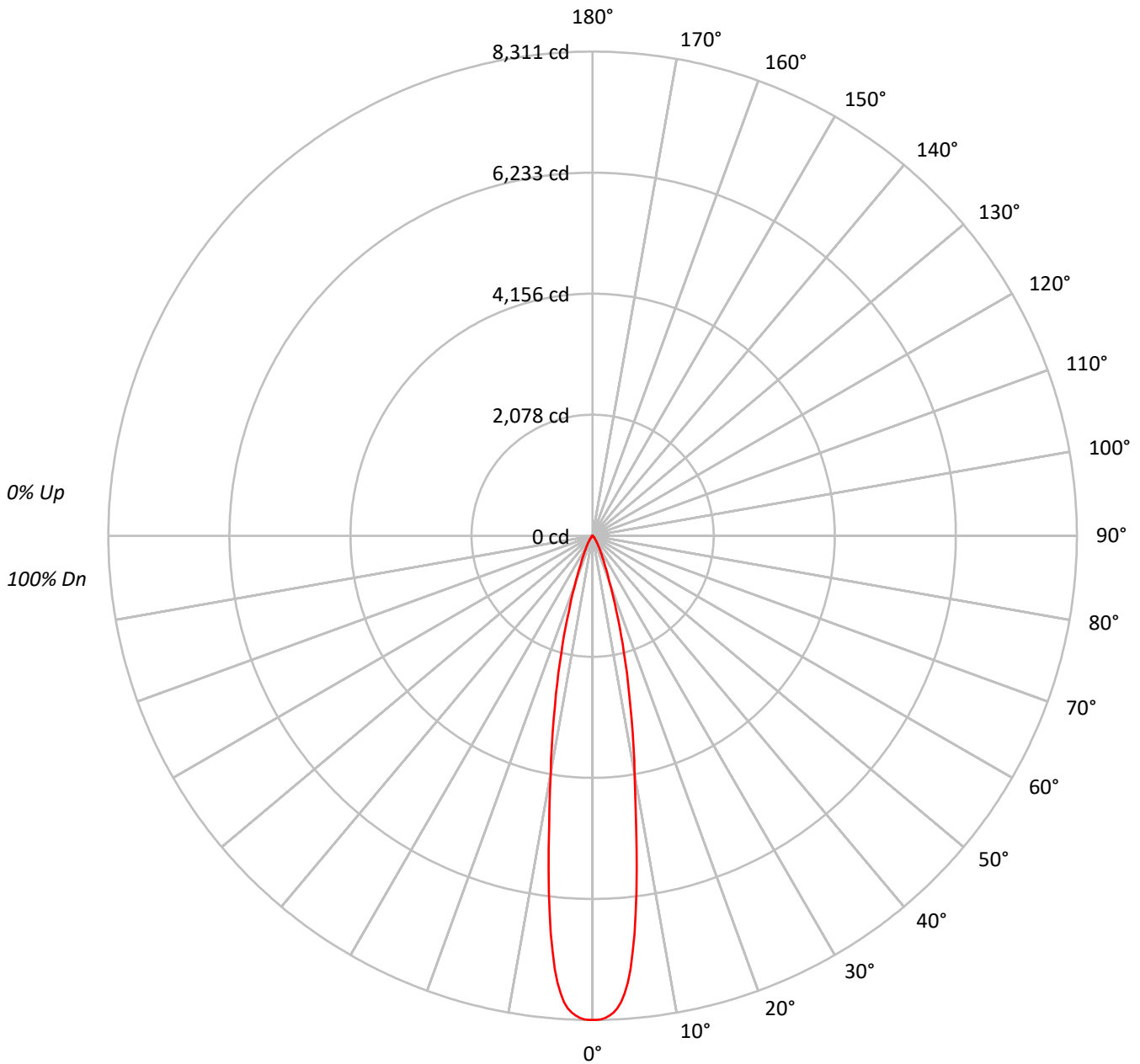


Downlight



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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°	908033
5°	819219
10°	459795
15°	233718
20°	98960
25°	45679
30°	24186
35°	13031
40°	6960
45°	4110
50°	2397
55°	1276
60°	809
65°	569
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.7	40.5
10°-20°	582.6	39.9
20°-30°	190.3	13.0
30°-40°	64.8	4.4
40°-50°	21.8	1.5
50°-60°	6.6	0.5
60°-70°	2.2	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°	1364.7	93.5
0°-40°	1429.5	97.9
0°-60°	1457.9	99.8
0°-90°	1460.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1460.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8311	
5°	7469	592
15°	2066	583
25°	379	190
35°	98	65
45°	27	22
55°	7	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8310.7
0.5°	8310.7
1°	8300.4
1.5°	8279.7
2°	8241.9
2.5°	8191.6
3°	8120.5
3.5°	8021.4
4°	7874.1
4.5°	7695.0
5°	7469.3
5.5°	7172.5
6°	6868.4
6.5°	6519.8
7°	6178.7
7.5°	5779.0
8°	5422.3
8.5°	5063.4
9°	4731.9
9.5°	4427.7
10°	4144.3
12.5°	2975.7
15°	2066.2
17.5°	1349.8
20°	851.1
22.5°	551.3
25°	378.9
27.5°	266.4
30°	191.7
32.5°	137.6
35°	97.7
37.5°	68.1
40°	48.8
42.5°	35.5
45°	26.6
47.5°	20.7
50°	14.1
52.5°	8.9
55°	6.7
57.5°	5.2
60°	3.7
62.5°	3.0
65°	2.2



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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°		1.5
70°		0.7

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(END OF REPORT)