

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: P761076

Luminaire Tested: LD6D15D010-EU6DR2015309040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761076
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-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: 1283.4 lumens
Efficiency: N/A
Efficacy: 81.2 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): 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



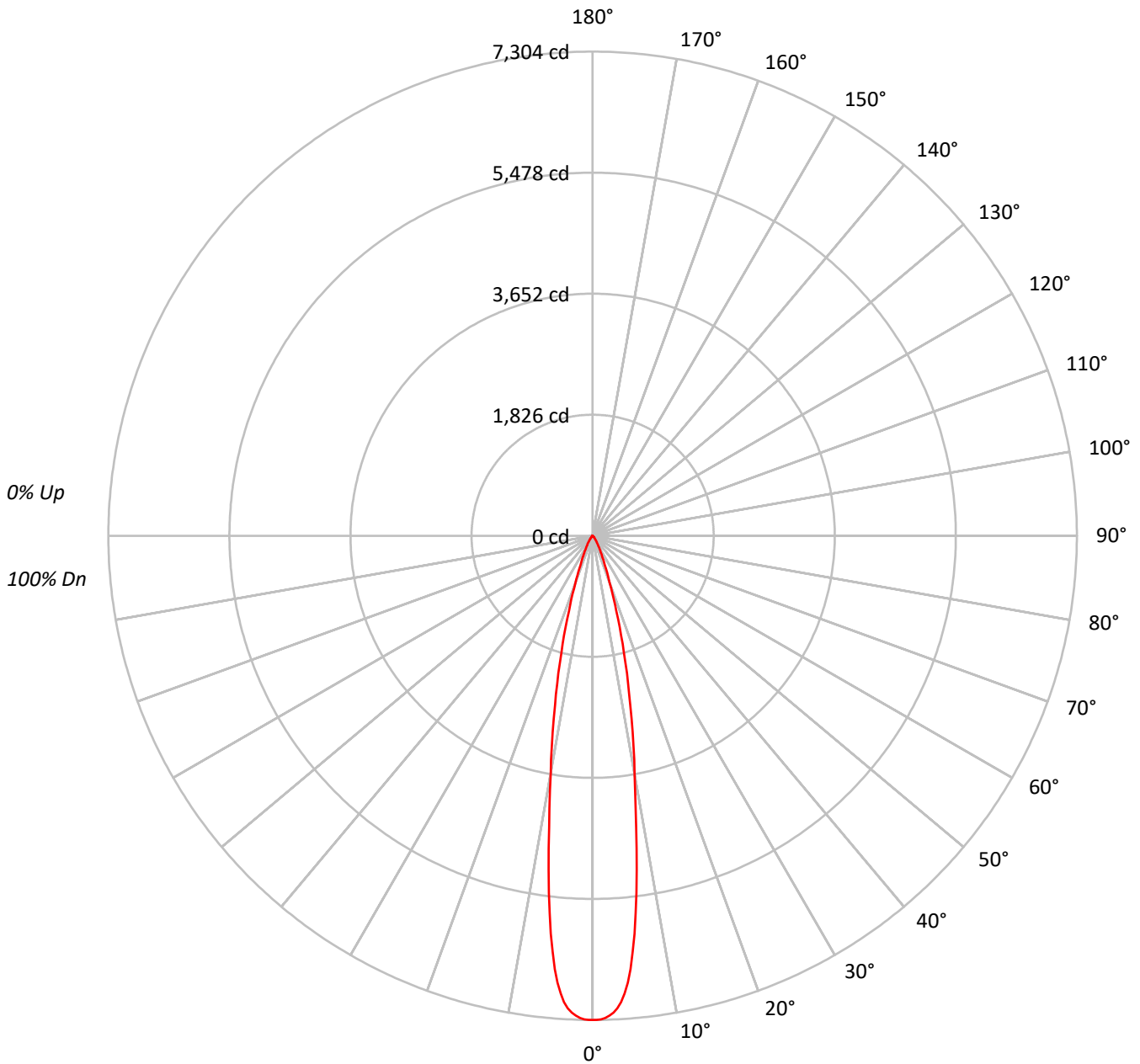
Downlight



TEST NUMBER: P761076

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97		
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94		
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91		
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88		
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85		
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83		
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81		
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79		
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77		
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	798062
5°	719993
10°	404100
15°	205417
20°	86972
25°	40145
30°	21259
35°	11458
40°	6119
45°	3616
50°	2108
55°	1124
60°	721
65°	517
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3616 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.0	40.5
10°-20°	512.1	39.9
20°-30°	167.3	13.0
30°-40°	57.0	4.4
40°-50°	19.1	1.5
50°-60°	5.8	0.5
60°-70°	1.9	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°	1199.4	93.5
0°-40°	1256.4	97.9
0°-60°	1281.3	99.8
0°-90°	1283.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7304	
5°	6565	520
15°	1816	512
25°	333	167
35°	86	57
45°	23	19
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7304.2
0.5°	7304.2
1°	7295.1
1.5°	7276.8
2°	7243.7
2.5°	7199.4
3°	7137.0
3.5°	7049.8
4°	6920.4
4.5°	6763.0
5°	6564.6
5.5°	6303.8
6°	6036.5
6.5°	5730.2
7°	5430.3
7.5°	5079.1
8°	4765.6
8.5°	4450.1
9°	4158.8
9.5°	3891.4
10°	3642.3
12.5°	2615.3
15°	1816.0
17.5°	1186.4
20°	748.0
22.5°	484.6
25°	333.0
27.5°	234.1
30°	168.5
32.5°	121.0
35°	85.9
37.5°	59.8
40°	42.9
42.5°	31.2
45°	23.4
47.5°	18.2
50°	12.4
52.5°	7.8
55°	5.9
57.5°	4.6
60°	3.3
62.5°	2.6
65°	2.0



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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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Scaled Data Report





67.5°		1.3
70°		0.7

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Scaled Data Report



(END OF REPORT)