

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: P758001

Luminaire Tested: LD6D05D010-EU6DR200210IC9027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758001
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: LD6D05D010-EU6DR200210IC9027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 542.1 lumens
Efficiency: N/A
Efficacy: 72.3 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): 7.5
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



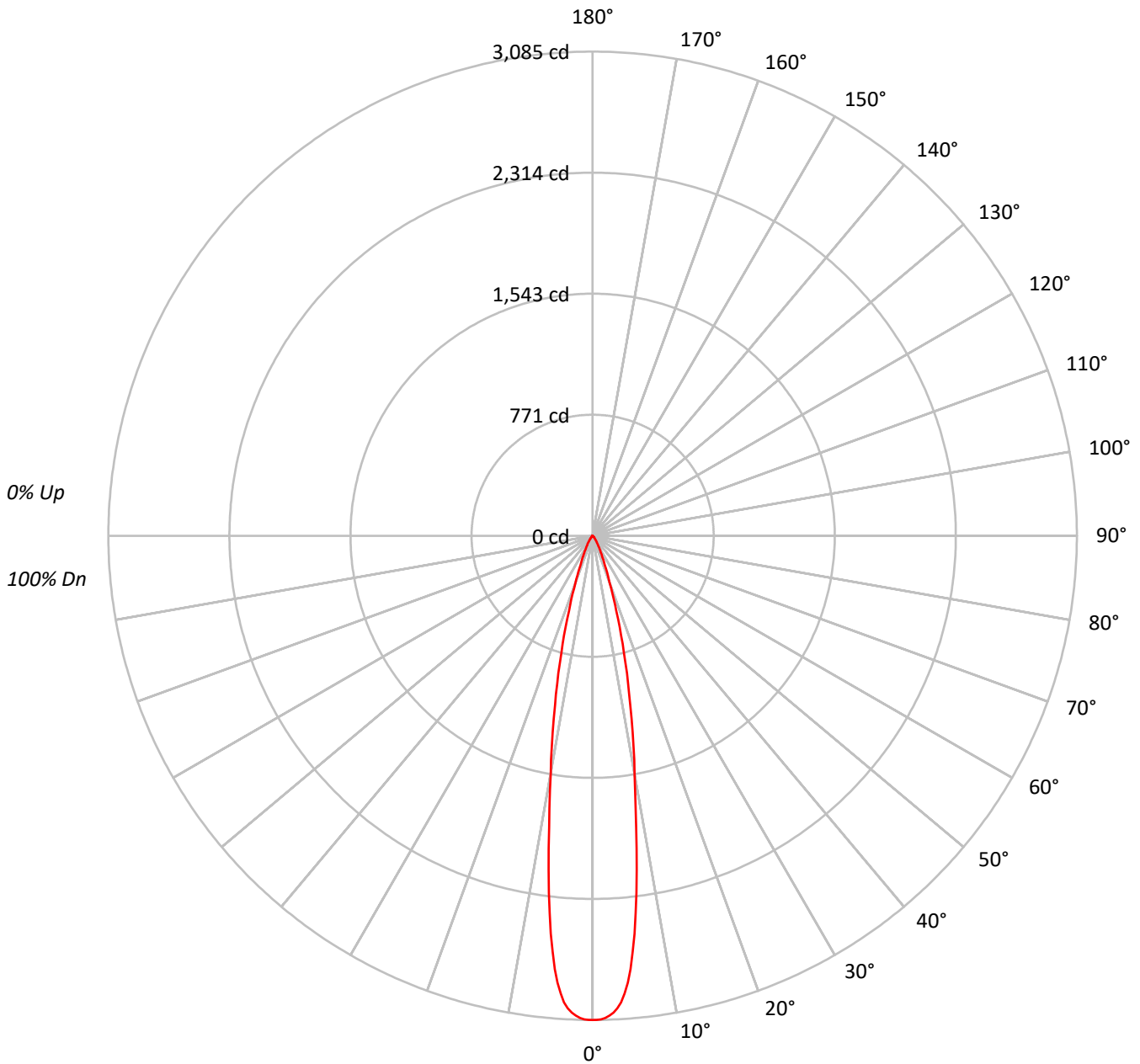
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	337102
5°	304126
10°	170691
15°	86771
20°	36731
25°	16962
30°	8983
35°	4842
40°	2582
45°	1530
50°	884
55°	476
60°	306
65°	207
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1530 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.7	40.5
10°-20°	216.3	39.9
20°-30°	70.7	13.0
30°-40°	24.1	4.4
40°-50°	8.1	1.5
50°-60°	2.4	0.4
60°-70°	0.8	0.1
70°-80°	0.0	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°	506.6	93.5
0°-40°	530.7	97.9
0°-60°	541.2	99.8
0°-90°	542.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	542.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3085	
5°	2773	220
15°	767	216
25°	141	71
35°	36	24
45°	10	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3085.3
0.5°	3085.3
1°	3081.5
1.5°	3073.8
2°	3059.8
2.5°	3041.1
3°	3014.7
3.5°	2977.9
4°	2923.2
4.5°	2856.7
5°	2772.9
5.5°	2662.8
6°	2549.8
6.5°	2420.4
7°	2293.8
7.5°	2145.4
8°	2013.0
8.5°	1879.8
9°	1756.7
9.5°	1643.8
10°	1538.5
12.5°	1104.7
15°	767.1
17.5°	501.1
20°	315.9
22.5°	204.7
25°	140.7
27.5°	98.9
30°	71.2
32.5°	51.1
35°	36.3
37.5°	25.3
40°	18.1
42.5°	13.2
45°	9.9
47.5°	7.7
50°	5.2
52.5°	3.3
55°	2.5
57.5°	1.9
60°	1.4
62.5°	1.1
65°	0.8



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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°		0.5
70°		0.3

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(END OF REPORT)