

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: P739964

Luminaire Tested: LD4D05D010-EU4DR200210IC9035-4LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P739964
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: LD4D05D010-EU4DR200210IC9035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 614.2 lumens
Efficiency: N/A
Efficacy: 81.9 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

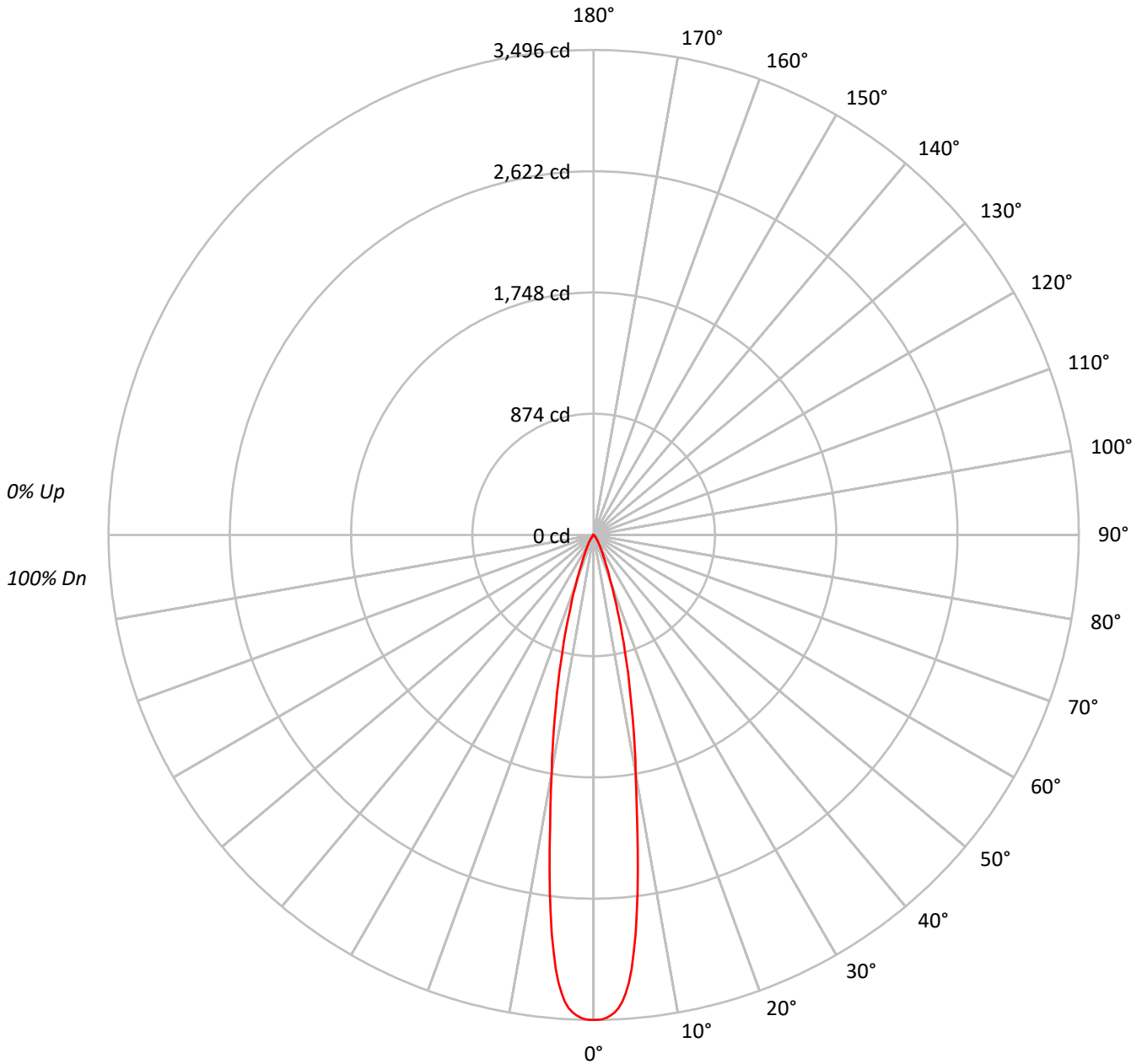


Downlight



TEST NUMBER: P739964
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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	97	97																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	382019
5°	344653
10°	193435
15°	98331
20°	41626
25°	19217
30°	10169
35°	5482
40°	2924
45°	1731
50°	1003
55°	533
60°	350
65°	233
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.9	40.5
10°-20°	245.1	39.9
20°-30°	80.1	13.0
30°-40°	27.2	4.4
40°-50°	9.1	1.5
50°-60°	2.8	0.4
60°-70°	0.9	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°	574.1	93.5
0°-40°	601.4	97.9
0°-60°	613.3	99.8
0°-90°	614.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3496	
5°	3142	249
15°	869	245
25°	159	80
35°	41	27
45°	11	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3496.4
0.5°	3496.4
1°	3492.0
1.5°	3483.3
2°	3467.4
2.5°	3446.2
3°	3416.3
3.5°	3374.6
4°	3312.7
4.5°	3237.3
5°	3142.4
5.5°	3017.5
6°	2889.5
6.5°	2742.9
7°	2599.4
7.5°	2431.3
8°	2281.2
8.5°	2130.2
9°	1990.7
9.5°	1862.7
10°	1743.5
12.5°	1251.9
15°	869.3
17.5°	567.9
20°	358.0
22.5°	231.9
25°	159.4
27.5°	112.1
30°	80.6
32.5°	57.9
35°	41.1
37.5°	28.6
40°	20.5
42.5°	14.9
45°	11.2
47.5°	8.7
50°	5.9
52.5°	3.7
55°	2.8
57.5°	2.2
60°	1.6
62.5°	1.2
65°	0.9



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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

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— 0°-180°

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67.5°		0.6
70°		0.3

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(END OF REPORT)