

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: P746211

Luminaire Tested: LD4D30D010-EU4DR4520359024-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P746211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR4520359024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2200.4 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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



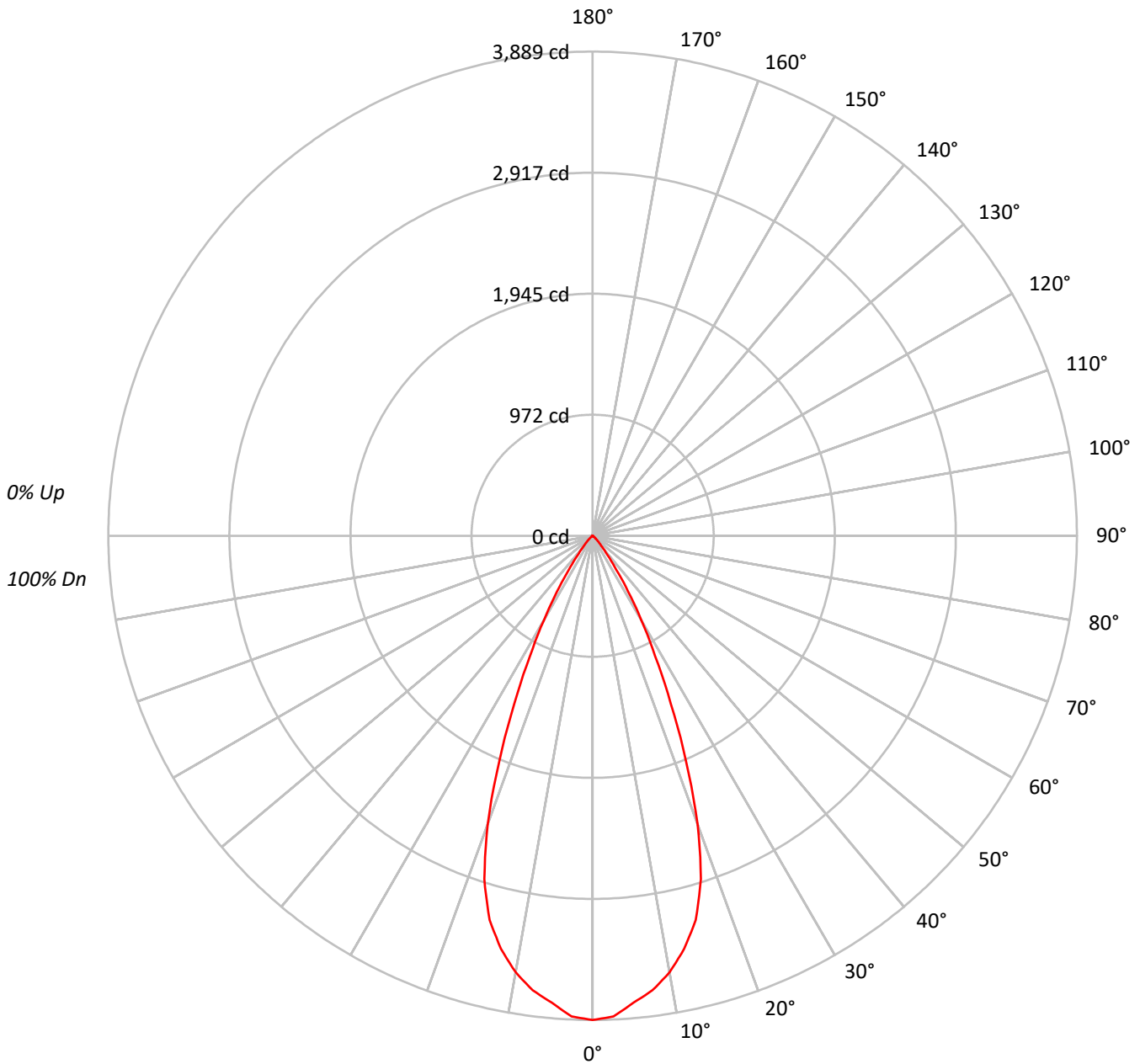
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100	
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95			95	
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			90	
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85	
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81	
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77			77	
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			73	
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69			69	
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			66	
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			63	
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60			60	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	424937
5°	412839
10°	394969
15°	361482
20°	286775
25°	179038
30°	98685
35°	44310
40°	17458
45°	8220
50°	3893
55°	2038
60°	1005
65°	233
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8220 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.7	16.1
10°-20°	870.4	39.6
20°-30°	689.3	31.3
30°-40°	229.6	10.4
40°-50°	45.5	2.1
50°-60°	10.3	0.5
60°-70°	1.5	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°	1913.4	87.0
0°-40°	2142.9	97.4
0°-60°	2198.8	99.9
0°-90°	2200.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2200.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3889	
5°	3764	354
15°	3196	870
25°	1485	689
35°	332	230
45°	53	46
55°	11	10
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3889.2
2.5°	3863.8
5°	3764.1
7.5°	3681.8
10°	3560.0
12.5°	3397.9
15°	3195.7
17.5°	2891.7
20°	2466.4
22.5°	1959.9
25°	1485.1
27.5°	1087.5
30°	782.2
32.5°	532.0
35°	332.2
37.5°	197.0
40°	122.4
42.5°	80.4
45°	53.2
47.5°	34.3
50°	22.9
52.5°	15.3
55°	10.7
57.5°	7.0
60°	4.6
62.5°	2.5
65°	0.9
67.5°	0.3
70°	0.3
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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(END OF REPORT)