

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: P747381

Luminaire Tested: LD4D35BD010-EU4DR7020359024-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D35BD010-EU4DR7020359024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

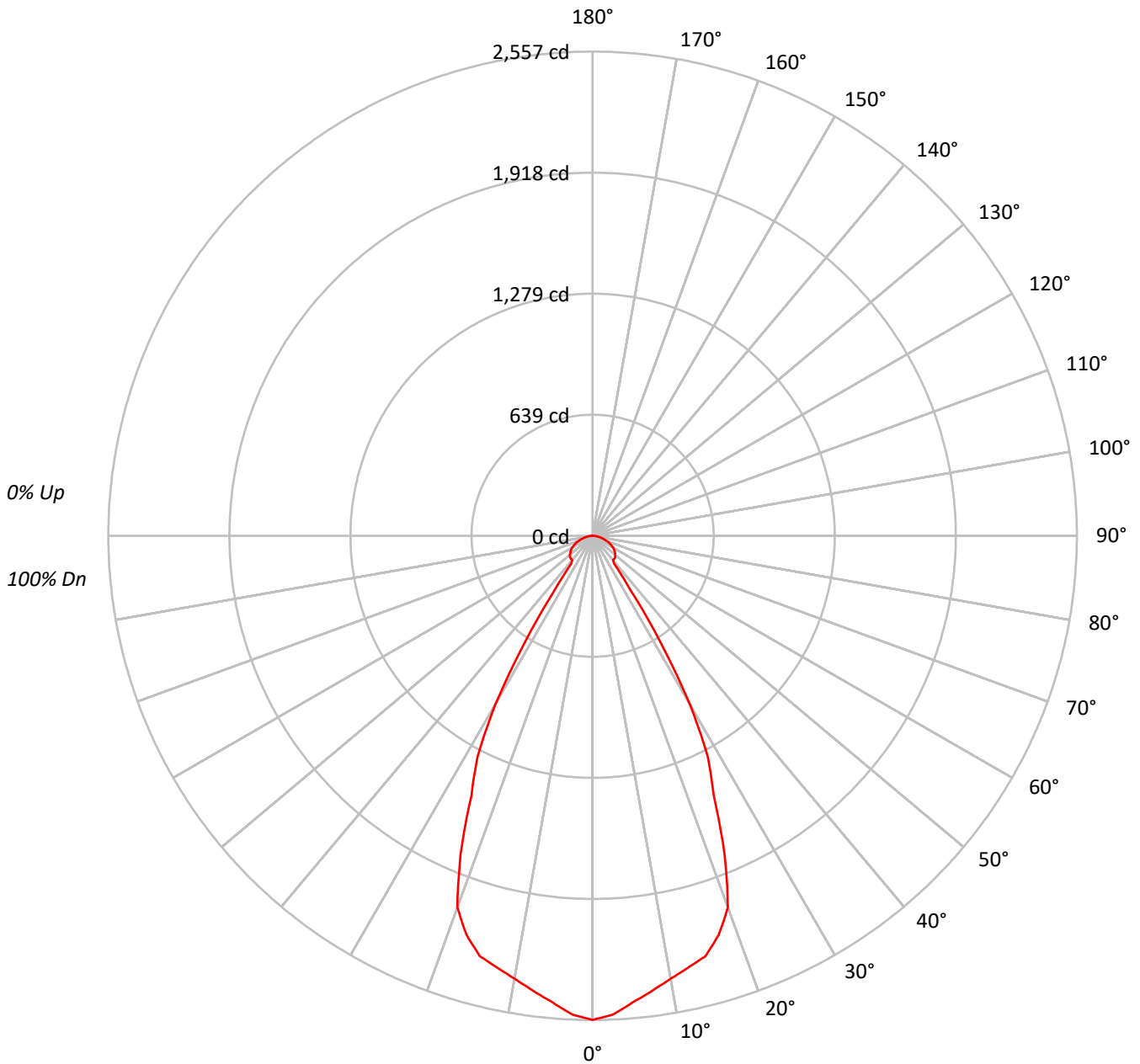
Lumens per Lamp: N/A
Luminaire Lumens: 2274.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
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



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	279336
5°	271026
10°	263475
15°	260018
20°	242801
25°	182401
30°	128952
35°	45670
40°	24019
45°	25588
50°	26483
55°	26992
60°	27162
65°	26577
70°	25077
75°	23218
80°	20638
85°	16799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 27168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.1	10.2
10°-20°	639.3	28.1
20°-30°	704.1	31.0
30°-40°	269.0	11.8
40°-50°	127.0	5.6
50°-60°	126.3	5.6
60°-70°	101.1	4.4
70°-80°	58.1	2.6
80°-90°	15.8	0.7
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°	1576.5	69.3
0°-40°	1845.6	81.2
0°-60°	2098.9	92.3
0°-90°	2274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2274.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2557	
5°	2471	233
15°	2299	639
25°	1513	704
35°	342	269
45°	166	127
55°	142	126
65°	103	101
75°	55	58
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2556.6
2.5°	2529.8
5°	2471.1
7.5°	2422.2
10°	2374.8
12.5°	2334.7
15°	2298.7
17.5°	2211.7
20°	2088.2
22.5°	1821.9
25°	1513.0
27.5°	1317.1
30°	1022.1
32.5°	660.2
35°	342.4
37.5°	185.0
40°	168.4
42.5°	167.2
45°	165.6
47.5°	161.9
50°	155.8
52.5°	149.0
55°	141.7
57.5°	133.6
60°	124.3
62.5°	113.7
65°	102.8
67.5°	90.7
70°	78.5
72.5°	66.4
75°	55.0
77.5°	43.3
80°	32.8
82.5°	23.1
85°	13.4
87.5°	5.3
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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