

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P749565

Luminaire Tested: LD4D50D010-EU4DR6040509024-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P749565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D50D010-EU4DR6040509024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

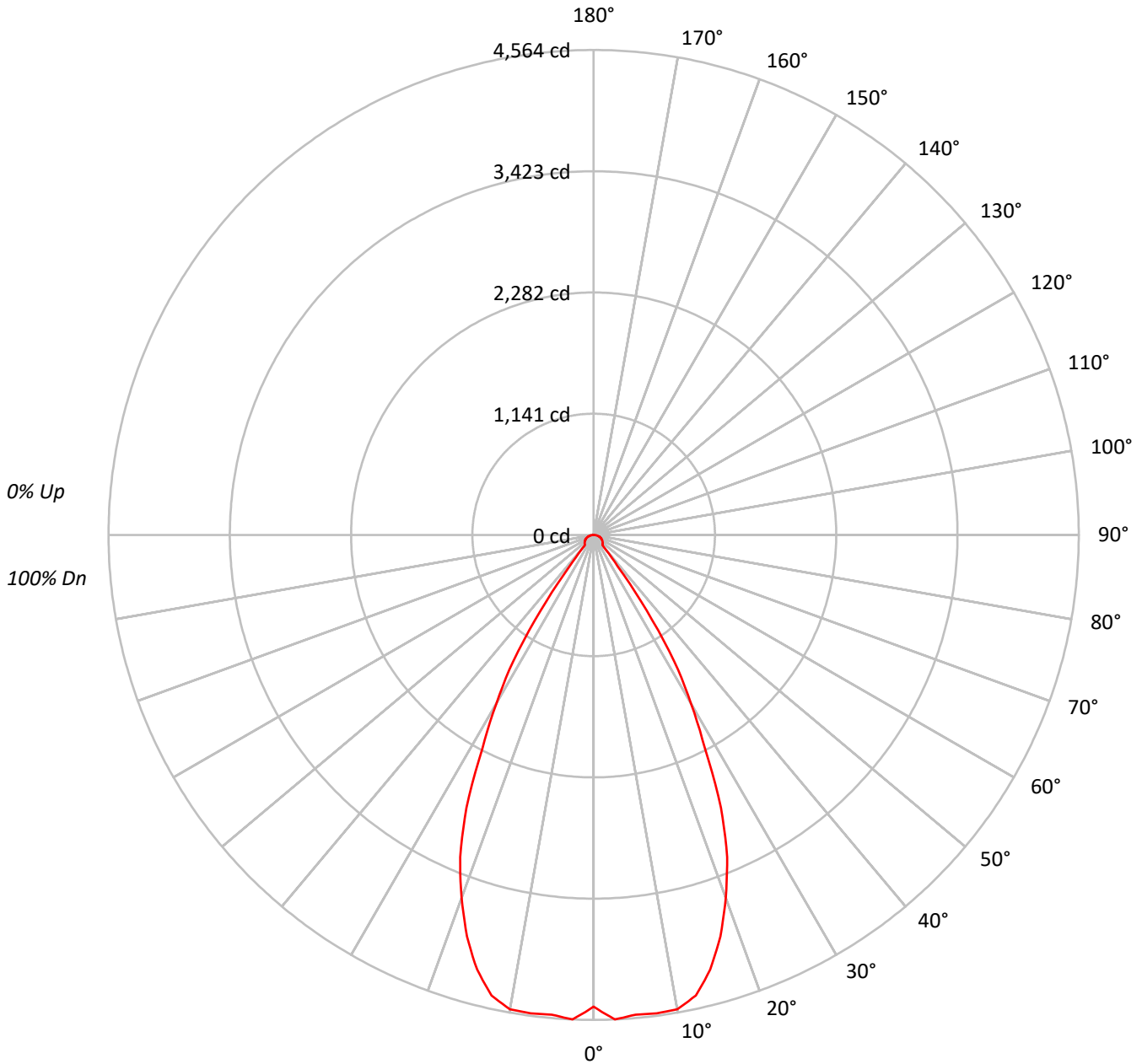
Lumens per Lamp: N/A
Luminaire Lumens: 3738.2 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	485074
5°	496995
10°	502997
15°	479178
20°	422489
25°	341716
30°	231144
35°	115830
40°	18784
45°	18388
50°	18766
55°	19049
60°	19580
65°	20010
70°	20477
75°	20728
80°	20009
85°	16673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 20728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.1	11.6
10°-20°	1171.7	31.3
20°-30°	1260.7	33.7
30°-40°	548.0	14.7
40°-50°	92.0	2.5
50°-60°	89.5	2.4
60°-70°	76.6	2.0
70°-80°	51.2	1.4
80°-90°	15.3	0.4
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°	2865.6	76.7
0°-40°	3413.6	91.3
0°-60°	3595.1	96.2
0°-90°	3738.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3738.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4440	
5°	4531	433
15°	4236	1172
25°	2834	1261
35°	868	548
45°	119	92
55°	100	90
65°	77	77
75°	49	51
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4439.6
2.5°	4564.4
5°	4531.4
7.5°	4541.8
10°	4533.7
12.5°	4440.1
15°	4236.2
17.5°	3962.3
20°	3633.6
22.5°	3281.7
25°	2834.5
27.5°	2267.2
30°	1832.1
32.5°	1412.1
35°	868.4
37.5°	371.5
40°	131.7
42.5°	121.3
45°	119.0
47.5°	115.0
50°	110.4
52.5°	105.2
55°	100.0
57.5°	94.8
60°	89.6
62.5°	83.8
65°	77.4
67.5°	71.1
70°	64.1
72.5°	56.6
75°	49.1
77.5°	40.4
80°	31.8
82.5°	22.5
85°	13.3
87.5°	4.6
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)