

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: P751150

Luminaire Tested: LD4D60D010-EU4DR6055659030-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751150
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: LD4D60D010-EU4DR6055659030-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4814.7 lumens
Efficiency: N/A
Efficacy: 74.8 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

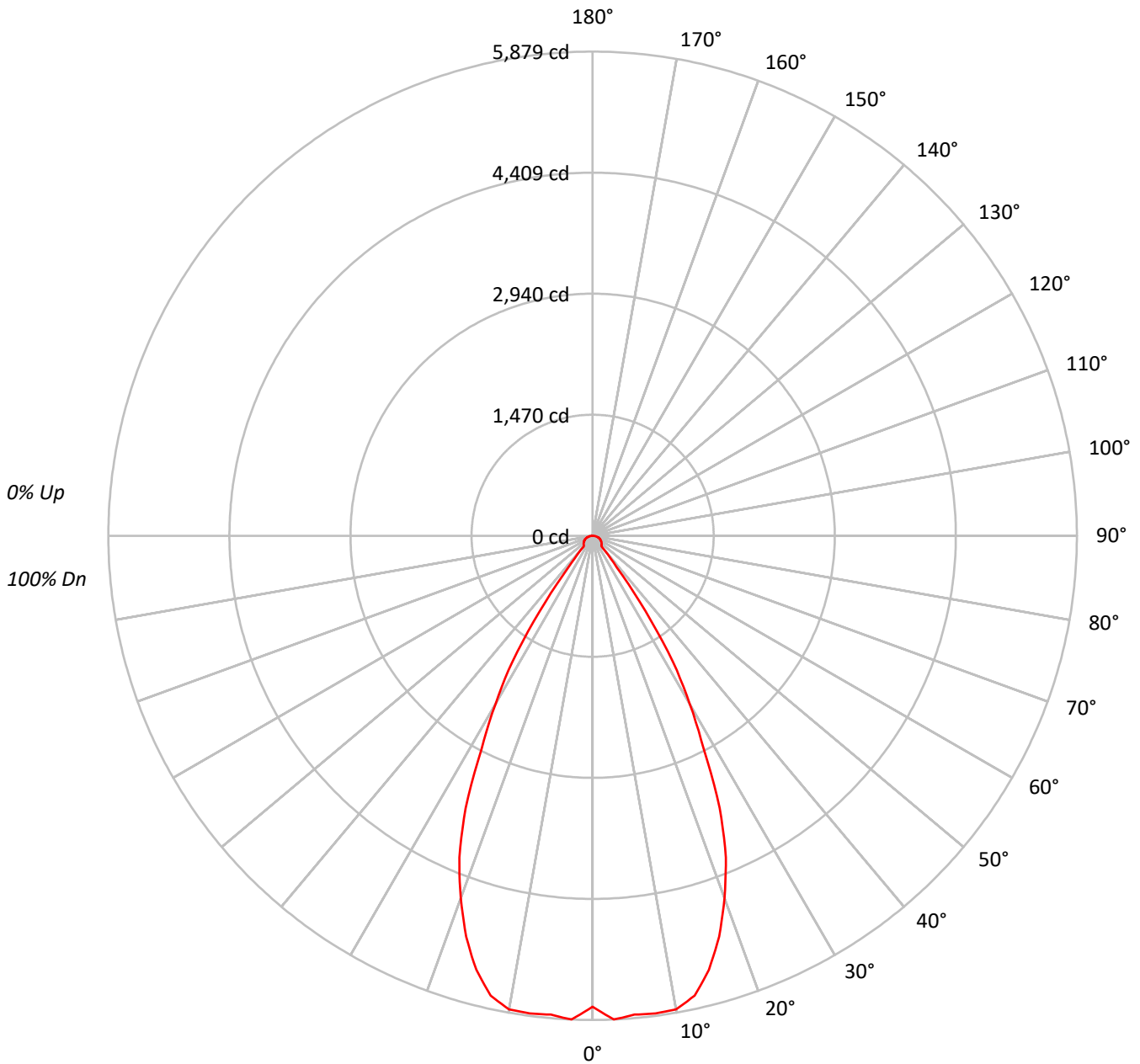
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	624775
5°	640136
10°	647871
15°	617178
20°	544169
25°	440138
30°	297708
35°	149189
40°	24204
45°	23688
50°	24154
55°	24516
60°	25196
65°	25776
70°	26387
75°	26722
80°	25735
85°	21437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 26722 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.8	11.6
10°-20°	1509.2	31.3
20°-30°	1623.8	33.7
30°-40°	705.8	14.7
40°-50°	118.6	2.5
50°-60°	115.2	2.4
60°-70°	98.6	2.0
70°-80°	66.0	1.4
80°-90°	19.7	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°	3690.8	76.7
0°-40°	4396.7	91.3
0°-60°	4630.5	96.2
0°-90°	4814.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4814.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5718	
5°	5836	558
15°	5456	1509
25°	3651	1624
35°	1118	706
45°	153	119
55°	129	115
65°	100	99
75°	63	66
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5718.2
2.5°	5878.9
5°	5836.5
7.5°	5849.9
10°	5839.5
12.5°	5718.9
15°	5456.2
17.5°	5103.5
20°	4680.1
22.5°	4226.9
25°	3650.9
27.5°	2920.1
30°	2359.7
32.5°	1818.7
35°	1118.5
37.5°	478.5
40°	169.7
42.5°	156.3
45°	153.3
47.5°	148.1
50°	142.1
52.5°	135.4
55°	128.7
57.5°	122.0
60°	115.3
62.5°	107.9
65°	99.7
67.5°	91.5
70°	82.6
72.5°	72.9
75°	63.3
77.5°	52.1
80°	40.9
82.5°	29.0
85°	17.1
87.5°	6.0
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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