

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: P750371

Luminaire Tested: LD4D55D010-EU4DR6055659030-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750371
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: LD4D55D010-EU4DR6055659030-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4932.2 lumens
Efficiency: N/A
Efficacy: 84.7 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

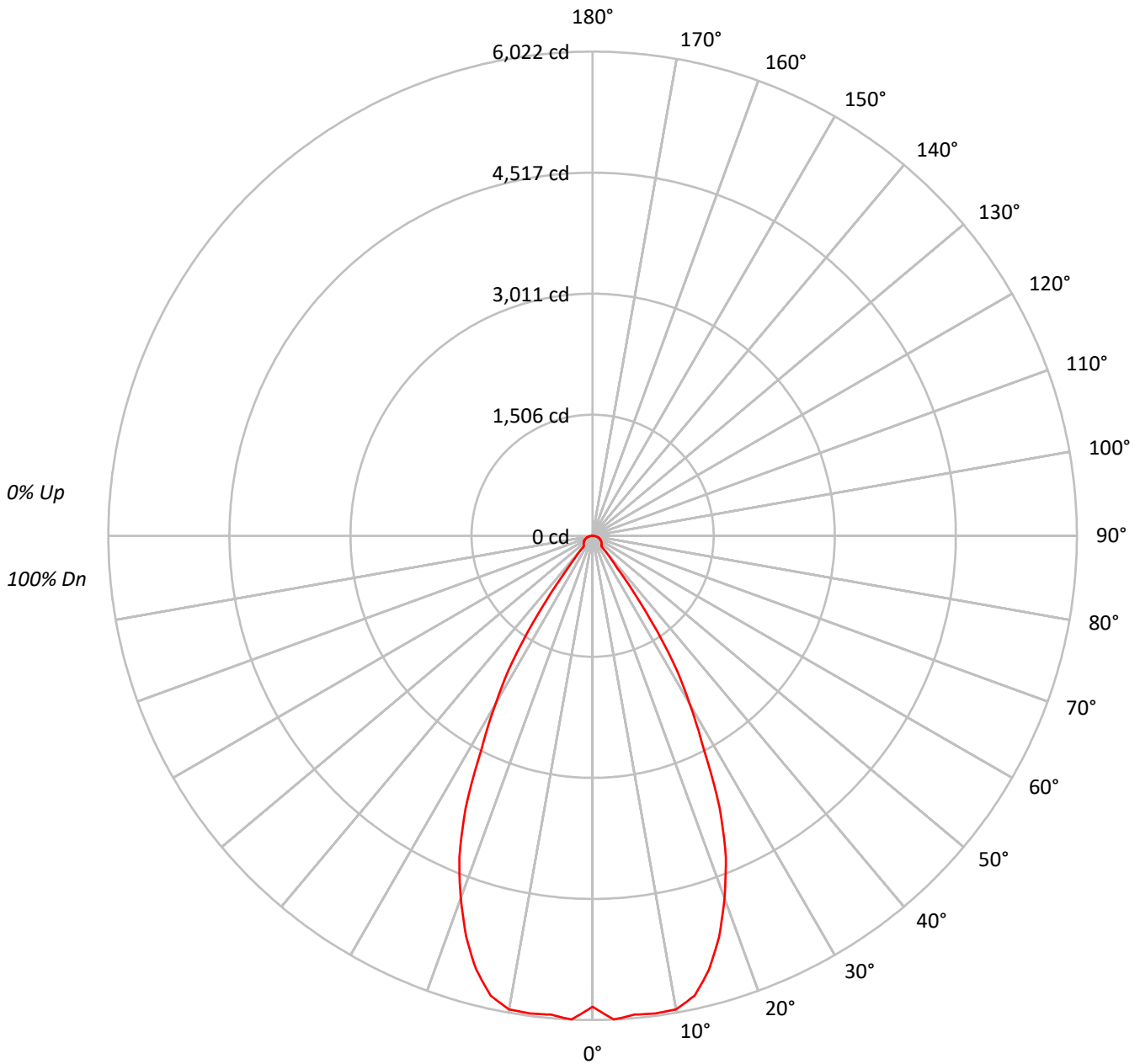
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	640017
5°	655754
10°	663670
15°	632234
20°	557435
25°	450867
30°	304975
35°	152830
40°	24789
45°	24259
50°	24749
55°	25126
60°	25829
65°	26422
70°	27026
75°	27355
80°	26364
85°	21938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 27355 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.4	11.6
10°-20°	1546.0	31.3
20°-30°	1663.4	33.7
30°-40°	723.1	14.7
40°-50°	121.4	2.5
50°-60°	118.1	2.4
60°-70°	101.0	2.0
70°-80°	67.6	1.4
80°-90°	20.2	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°	3780.9	76.7
0°-40°	4503.9	91.3
0°-60°	4743.4	96.2
0°-90°	4932.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4932.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5858	
5°	5979	571
15°	5589	1546
25°	3740	1663
35°	1146	723
45°	157	121
55°	132	118
65°	102	101
75°	65	68
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5857.7
2.5°	6022.3
5°	5978.9
7.5°	5992.6
10°	5981.9
12.5°	5858.4
15°	5589.3
17.5°	5228.0
20°	4794.2
22.5°	4330.0
25°	3739.9
27.5°	2991.3
30°	2417.3
32.5°	1863.1
35°	1145.8
37.5°	490.2
40°	173.8
42.5°	160.1
45°	157.0
47.5°	151.7
50°	145.6
52.5°	138.7
55°	131.9
57.5°	125.0
60°	118.2
62.5°	110.5
65°	102.2
67.5°	93.8
70°	84.6
72.5°	74.7
75°	64.8
77.5°	53.4
80°	41.9
82.5°	29.7
85°	17.5
87.5°	6.1
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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