

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: P750397

Luminaire Tested: LD4D55D010-EU4DR6055659040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750397
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-EU4DR6055659040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5217.2 lumens
Efficiency: N/A
Efficacy: 89.6 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

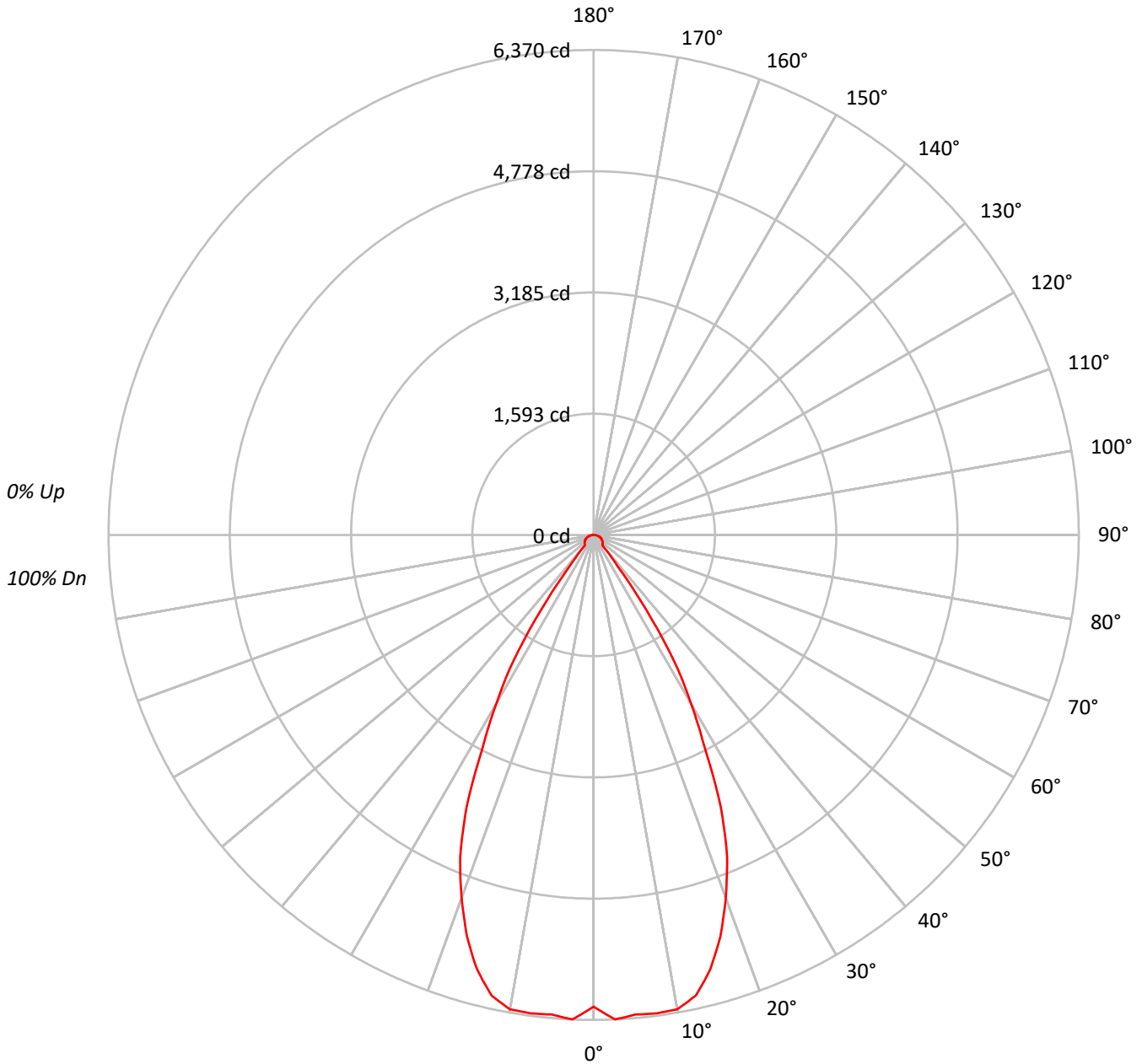
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	676991
5°	693637
10°	702013
15°	668770
20°	589643
25°	476919
30°	322600
35°	161660
40°	26230
45°	25665
50°	26177
55°	26573
60°	27315
65°	27947
70°	28591
75°	28917
80°	27937
85°	23192

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 28917 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.4	11.6
10°-20°	1635.4	31.3
20°-30°	1759.5	33.7
30°-40°	764.8	14.7
40°-50°	128.5	2.5
50°-60°	124.9	2.4
60°-70°	106.8	2.0
70°-80°	71.5	1.4
80°-90°	21.4	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°	3999.3	76.7
0°-40°	4764.2	91.3
0°-60°	5017.5	96.2
0°-90°	5217.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5217.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6196	
5°	6324	604
15°	5912	1635
25°	3956	1760
35°	1212	765
45°	166	128
55°	140	125
65°	108	107
75°	68	71
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6196.1
2.5°	6370.3
5°	6324.3
7.5°	6338.8
10°	6327.5
12.5°	6196.9
15°	5912.3
17.5°	5530.0
20°	5071.2
22.5°	4580.2
25°	3956.0
27.5°	3164.2
30°	2557.0
32.5°	1970.8
35°	1212.0
37.5°	518.5
40°	183.9
42.5°	169.3
45°	166.1
47.5°	160.5
50°	154.0
52.5°	146.8
55°	139.5
57.5°	132.2
60°	125.0
62.5°	116.9
65°	108.1
67.5°	99.2
70°	89.5
72.5°	79.0
75°	68.5
77.5°	56.4
80°	44.4
82.5°	31.4
85°	18.5
87.5°	6.5
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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