

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: P750409

Luminaire Tested: LD4D55D010-EU4DR6055659050-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750409
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-EU4DR6055659050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4664.6 lumens
Efficiency: N/A
Efficacy: 80.1 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

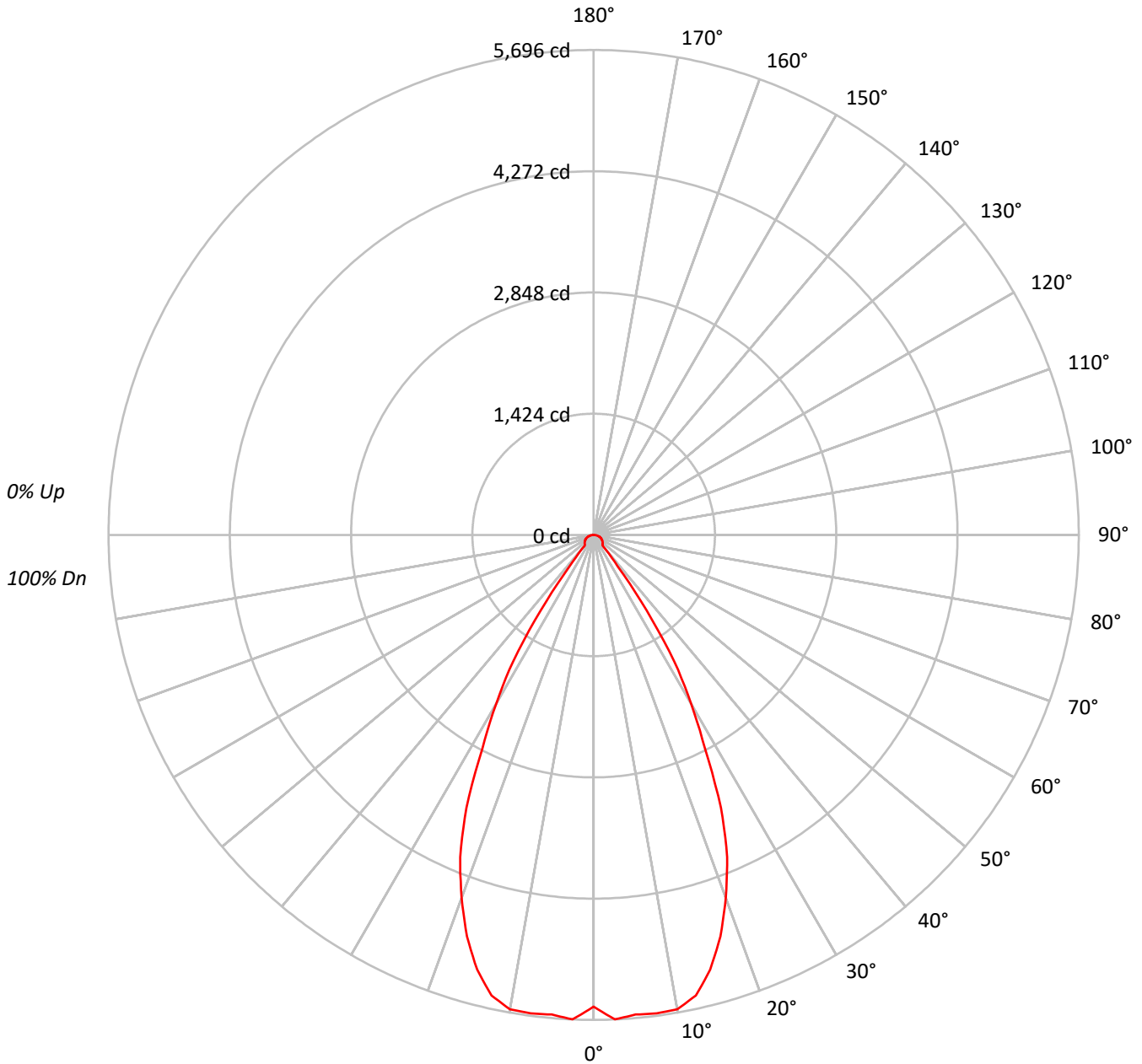
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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				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°	605283
5°	620164
10°	627656
15°	597926
20°	527181
25°	426406
30°	288422
35°	144534
40°	23448
45°	22946
50°	23406
55°	23754
60°	24409
65°	24974
70°	25557
75°	25878
80°	24980
85°	20810

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 25878 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.4	11.6
10°-20°	1462.1	31.3
20°-30°	1573.1	33.7
30°-40°	683.8	14.7
40°-50°	114.9	2.5
50°-60°	111.7	2.4
60°-70°	95.5	2.0
70°-80°	63.9	1.4
80°-90°	19.1	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°	3575.7	76.7
0°-40°	4259.5	91.3
0°-60°	4486.0	96.2
0°-90°	4664.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4664.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5540	
5°	5654	540
15°	5286	1462
25°	3537	1573
35°	1084	684
45°	148	115
55°	125	112
65°	97	96
75°	61	64
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5539.8
2.5°	5695.5
5°	5654.4
7.5°	5667.4
10°	5657.3
12.5°	5540.5
15°	5286.0
17.5°	4944.3
20°	4534.0
22.5°	4095.0
25°	3537.0
27.5°	2829.0
30°	2286.1
32.5°	1762.0
35°	1083.6
37.5°	463.6
40°	164.4
42.5°	151.4
45°	148.5
47.5°	143.5
50°	137.7
52.5°	131.2
55°	124.7
57.5°	118.2
60°	111.7
62.5°	104.5
65°	96.6
67.5°	88.7
70°	80.0
72.5°	70.7
75°	61.3
77.5°	50.5
80°	39.7
82.5°	28.1
85°	16.6
87.5°	5.8
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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