

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: P751904

Luminaire Tested: LD4D65D010-EU4DR6055659024-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751904
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: LD4D65D010-EU4DR6055659024-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4563.0 lumens
Efficiency: N/A
Efficacy: 62.7 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

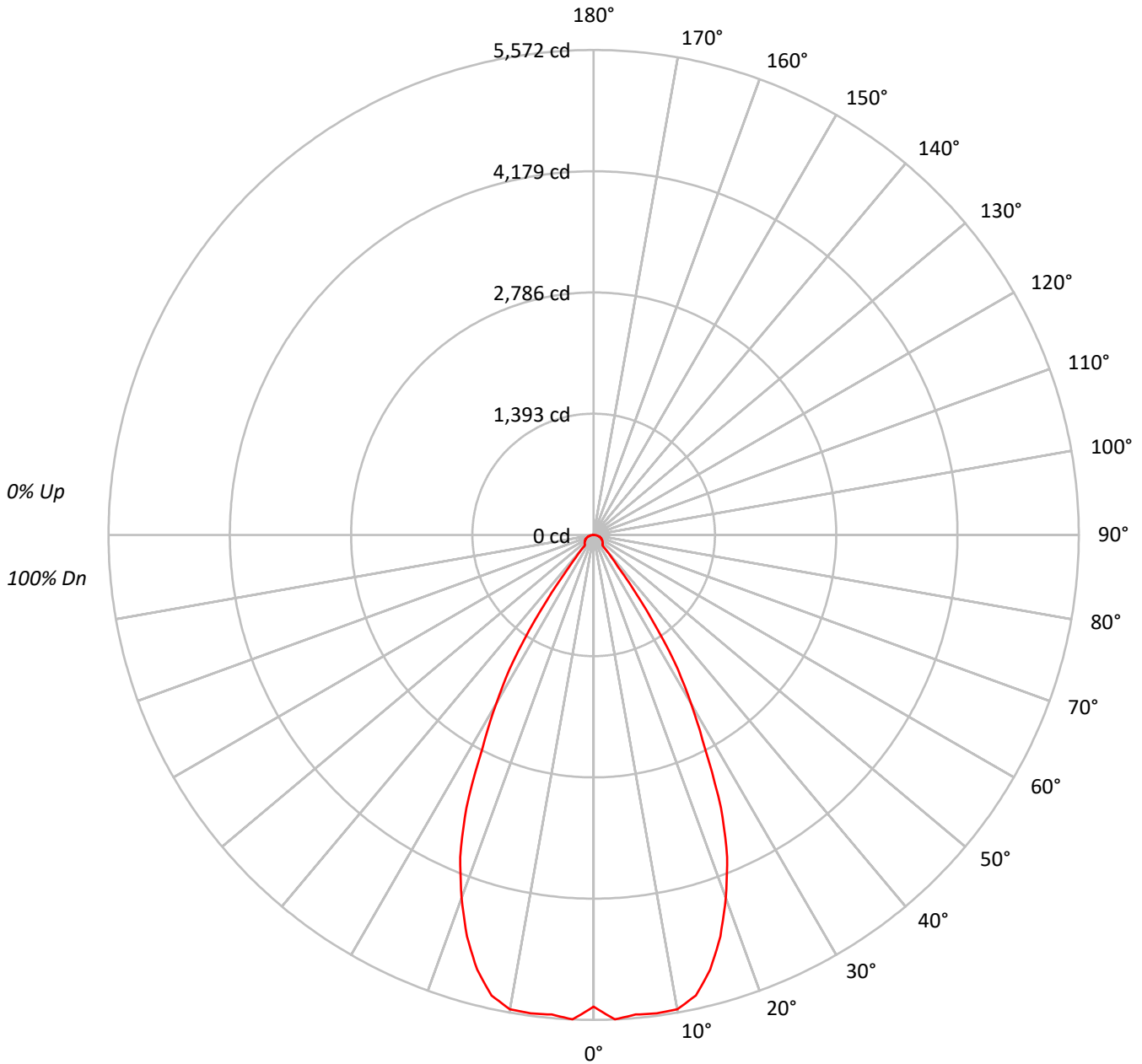
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	592095
5°	606663
10°	613988
15°	584907
20°	515705
25°	417111
30°	282139
35°	141386
40°	22935
45°	22451
50°	22896
55°	23240
60°	23884
65°	24431
70°	25013
75°	25287
80°	24413
85°	20309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 25287 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.7	11.6
10°-20°	1430.3	31.3
20°-30°	1538.9	33.7
30°-40°	668.9	14.7
40°-50°	112.3	2.5
50°-60°	109.3	2.4
60°-70°	93.4	2.0
70°-80°	62.5	1.4
80°-90°	18.7	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°	3497.8	76.7
0°-40°	4166.7	91.3
0°-60°	4388.3	96.2
0°-90°	4563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4563.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5419	
5°	5531	529
15°	5171	1430
25°	3460	1539
35°	1060	669
45°	145	112
55°	122	109
65°	94	93
75°	60	63
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5419.1
2.5°	5571.5
5°	5531.3
7.5°	5544.0
10°	5534.1
12.5°	5419.8
15°	5170.9
17.5°	4836.6
20°	4435.3
22.5°	4005.8
25°	3459.9
27.5°	2767.4
30°	2236.3
32.5°	1723.6
35°	1060.0
37.5°	453.5
40°	160.8
42.5°	148.1
45°	145.3
47.5°	140.3
50°	134.7
52.5°	128.4
55°	122.0
57.5°	115.7
60°	109.3
62.5°	102.3
65°	94.5
67.5°	86.7
70°	78.3
72.5°	69.1
75°	59.9
77.5°	49.4
80°	38.8
82.5°	27.5
85°	16.2
87.5°	5.6
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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