

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P751943

Luminaire Tested: LD4D65D010-EU4DR6055659035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751943
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-EU4DR6055659035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5381.1 lumens
Efficiency: N/A
Efficacy: 73.9 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

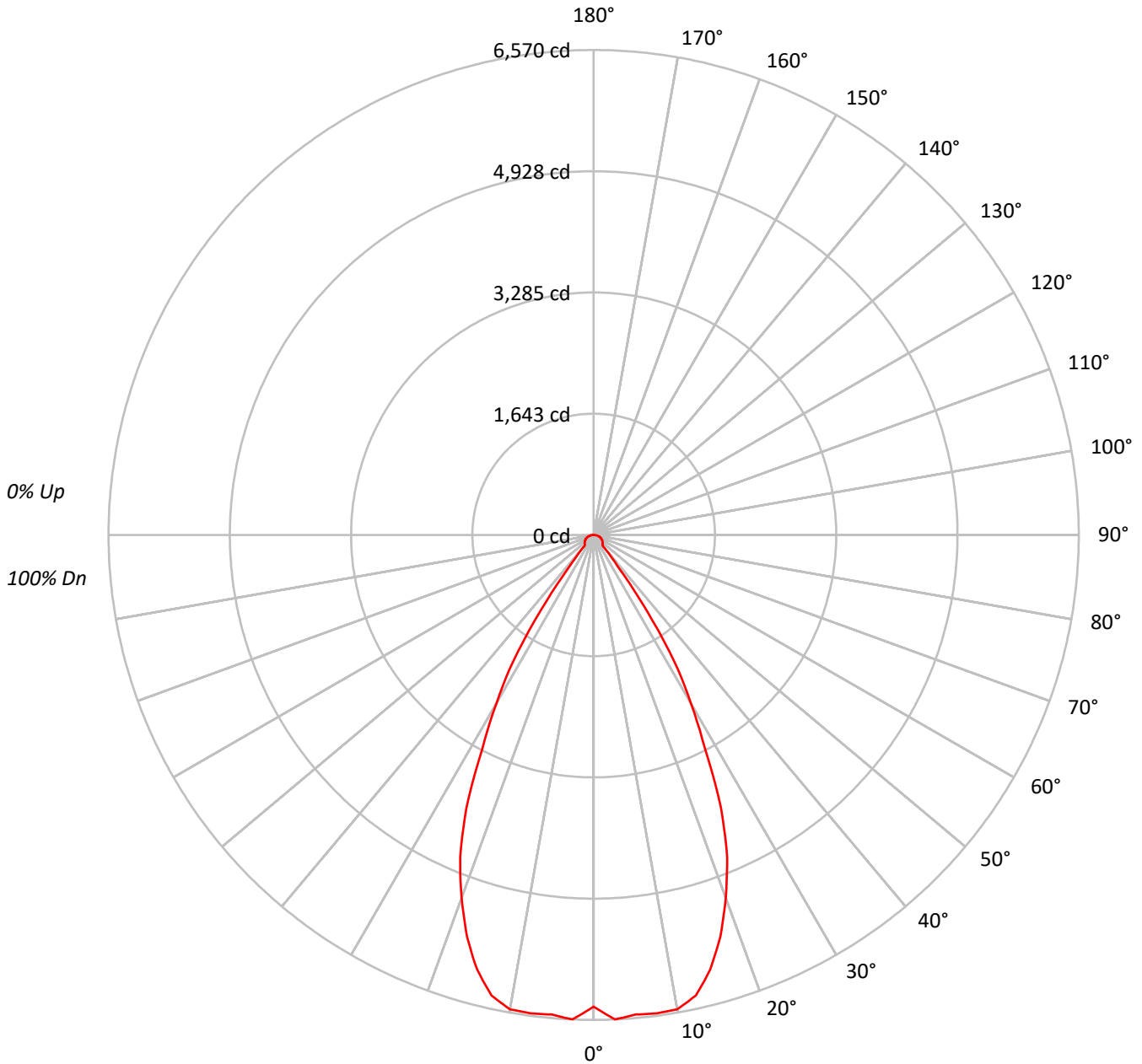
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	698264
5°	715430
10°	724080
15°	689776
20°	608177
25°	491904
30°	332731
35°	166728
40°	27043
45°	26469
50°	27010
55°	27412
60°	28167
65°	28801
70°	29486
75°	29846
80°	28755
85°	23944

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 29846 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.4	11.6
10°-20°	1686.7	31.3
20°-30°	1814.8	33.7
30°-40°	788.9	14.7
40°-50°	132.5	2.5
50°-60°	128.8	2.4
60°-70°	110.2	2.0
70°-80°	73.7	1.4
80°-90°	22.0	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°	4125.0	76.7
0°-40°	4913.8	91.3
0°-60°	5175.2	96.2
0°-90°	5381.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5381.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6391	
5°	6523	623
15°	6098	1687
25°	4080	1815
35°	1250	789
45°	171	132
55°	144	129
65°	111	110
75°	71	74
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6390.8
2.5°	6570.4
5°	6523.0
7.5°	6538.0
10°	6526.4
12.5°	6391.6
15°	6098.0
17.5°	5703.8
20°	5230.6
22.5°	4724.1
25°	4080.3
27.5°	3263.6
30°	2637.3
32.5°	2032.7
35°	1250.0
37.5°	534.8
40°	189.6
42.5°	174.7
45°	171.3
47.5°	165.5
50°	158.9
52.5°	151.4
55°	143.9
57.5°	136.4
60°	128.9
62.5°	120.6
65°	111.4
67.5°	102.3
70°	92.3
72.5°	81.5
75°	70.7
77.5°	58.2
80°	45.7
82.5°	32.4
85°	19.1
87.5°	6.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)