

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: P753686

Luminaire Tested: LD4D75BD010-EU4DR7070959050-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR7070959050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6342.3 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

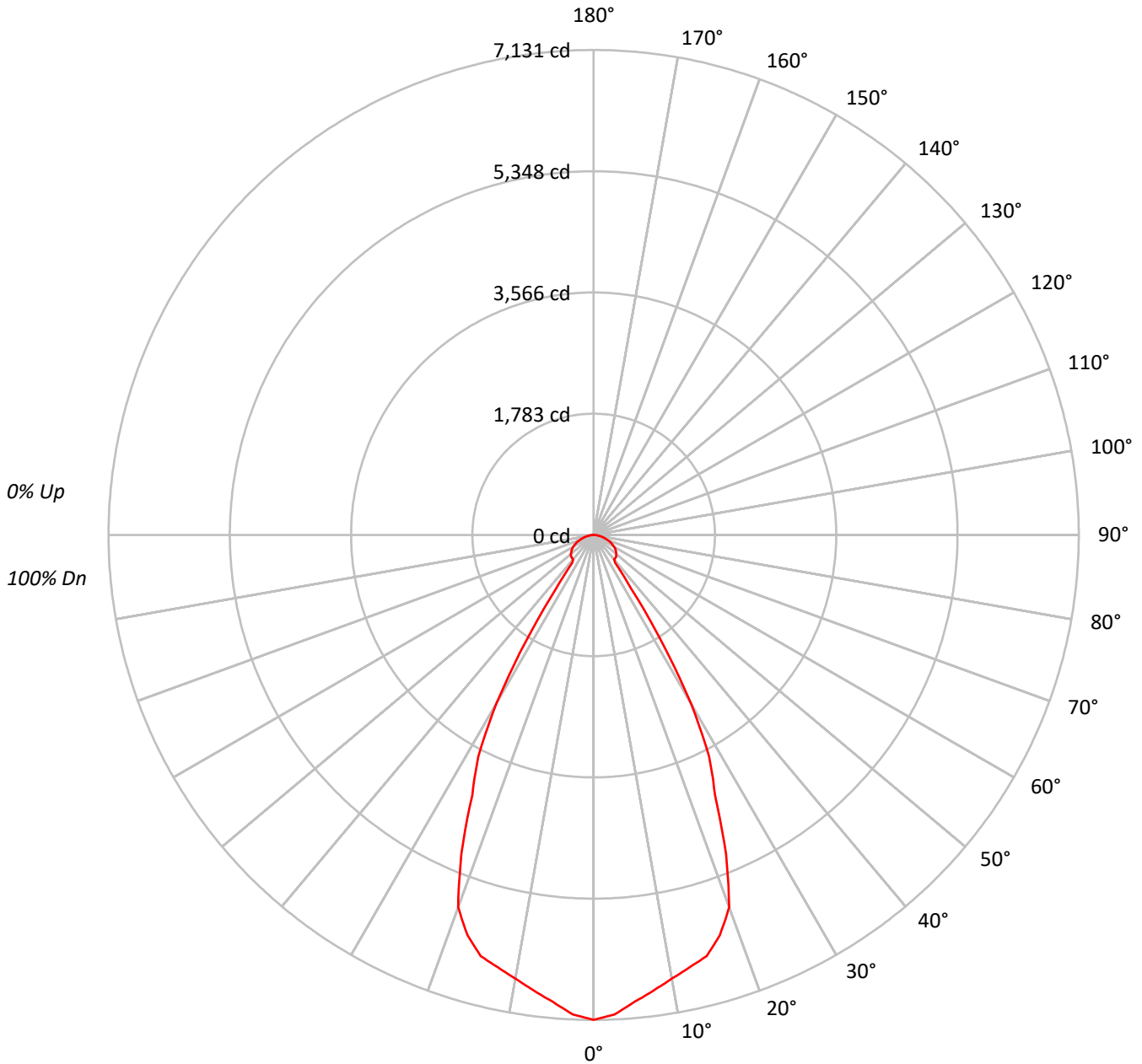
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	779095
5°	755934
10°	734875
15°	725226
20°	677208
25°	508758
30°	359642
35°	127394
40°	66993
45°	71341
50°	73890
55°	75263
60°	75740
65°	74147
70°	69961
75°	64800
80°	57510
85°	46760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 75769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	650.1	10.3
10°-20°	1783.2	28.1
20°-30°	1963.9	31.0
30°-40°	750.4	11.8
40°-50°	354.3	5.6
50°-60°	352.3	5.6
60°-70°	282.0	4.4
70°-80°	162.1	2.6
80°-90°	44.1	0.7
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°	4397.2	69.3
0°-40°	5147.6	81.2
0°-60°	5854.1	92.3
0°-90°	6342.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6342.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7131	
5°	6892	650
15°	6411	1783
25°	4220	1964
35°	955	750
45°	462	354
55°	395	352
65°	287	282
75°	154	162
85°	37	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7130.6
2.5°	7056.0
5°	6892.3
7.5°	6755.7
10°	6623.7
12.5°	6511.9
15°	6411.4
17.5°	6168.7
20°	5824.3
22.5°	5081.5
25°	4220.1
27.5°	3673.7
30°	2850.6
32.5°	1841.3
35°	955.1
37.5°	515.9
40°	469.7
42.5°	466.3
45°	461.7
47.5°	451.6
50°	434.7
52.5°	415.5
55°	395.1
57.5°	372.6
60°	346.6
62.5°	317.2
65°	286.8
67.5°	252.9
70°	219.0
72.5°	185.2
75°	153.5
77.5°	120.8
80°	91.4
82.5°	64.4
85°	37.3
87.5°	14.7
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)