

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: P753570

Luminaire Tested: LD4D75BD010-EU4DR6570959035-4LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6570959035-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6375.1 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

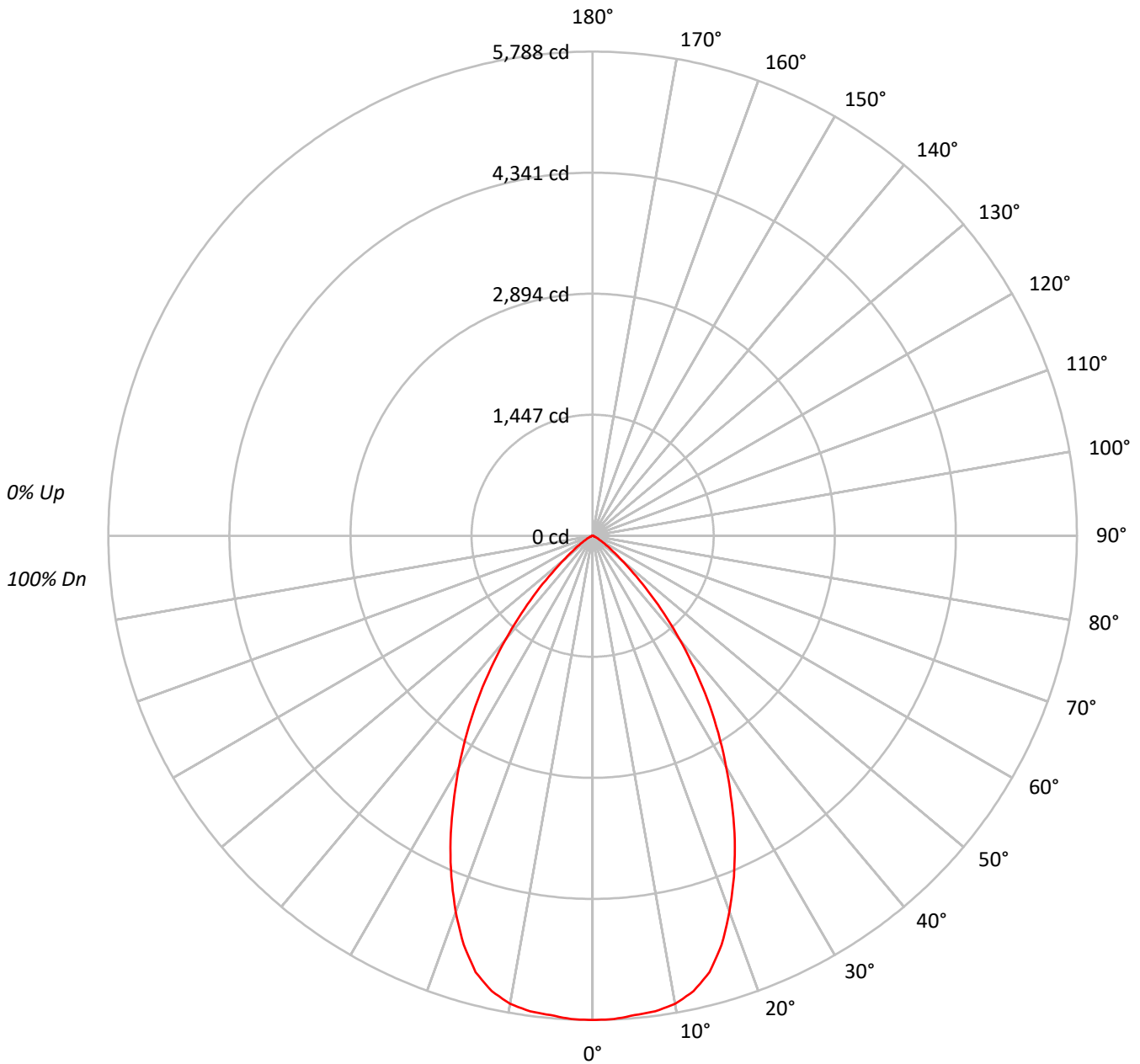
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	338059
5°	337211
10°	336923
15°	326537
20°	297267
25°	259049
30°	215461
35°	170716
40°	123213
45°	77846
50°	40578
55°	21566
60°	11330
65°	6233
70°	2613
75°	2888
80°	2018
85°	1742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 77846 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.4	8.6
10°-20°	1499.0	23.5
20°-30°	1832.3	28.7
30°-40°	1486.6	23.3
40°-50°	740.8	11.6
50°-60°	206.6	3.2
60°-70°	47.0	0.7
70°-80°	12.2	0.2
80°-90°	3.2	0.0
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°	3878.6	60.8
0°-40°	5365.3	84.2
0°-60°	6312.7	99.0
0°-90°	6375.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6375.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5788	
5°	5752	547
15°	5400	1499
25°	4020	1832
35°	2394	1487
45°	942	741
55°	212	207
65°	45	47
75°	13	12
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5788.3
2.5°	5784.1
5°	5751.8
7.5°	5733.0
10°	5681.2
12.5°	5575.7
15°	5400.5
17.5°	5126.6
20°	4782.9
22.5°	4412.1
25°	4019.9
27.5°	3600.6
30°	3194.9
32.5°	2794.2
35°	2394.4
37.5°	1995.5
40°	1616.1
42.5°	1260.6
45°	942.5
47.5°	656.7
50°	446.6
52.5°	307.9
55°	211.8
57.5°	142.9
60°	97.0
62.5°	67.2
65°	45.1
67.5°	23.0
70°	15.3
72.5°	14.5
75°	12.8
77.5°	8.5
80°	6.0
82.5°	4.3
85°	2.6
87.5°	1.7
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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