

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: P753285

Luminaire Tested: LD4D75BD010-EU4DR4570959050-4LBCSSQMMS

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR4570959050-4LBCSSQMMMS
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

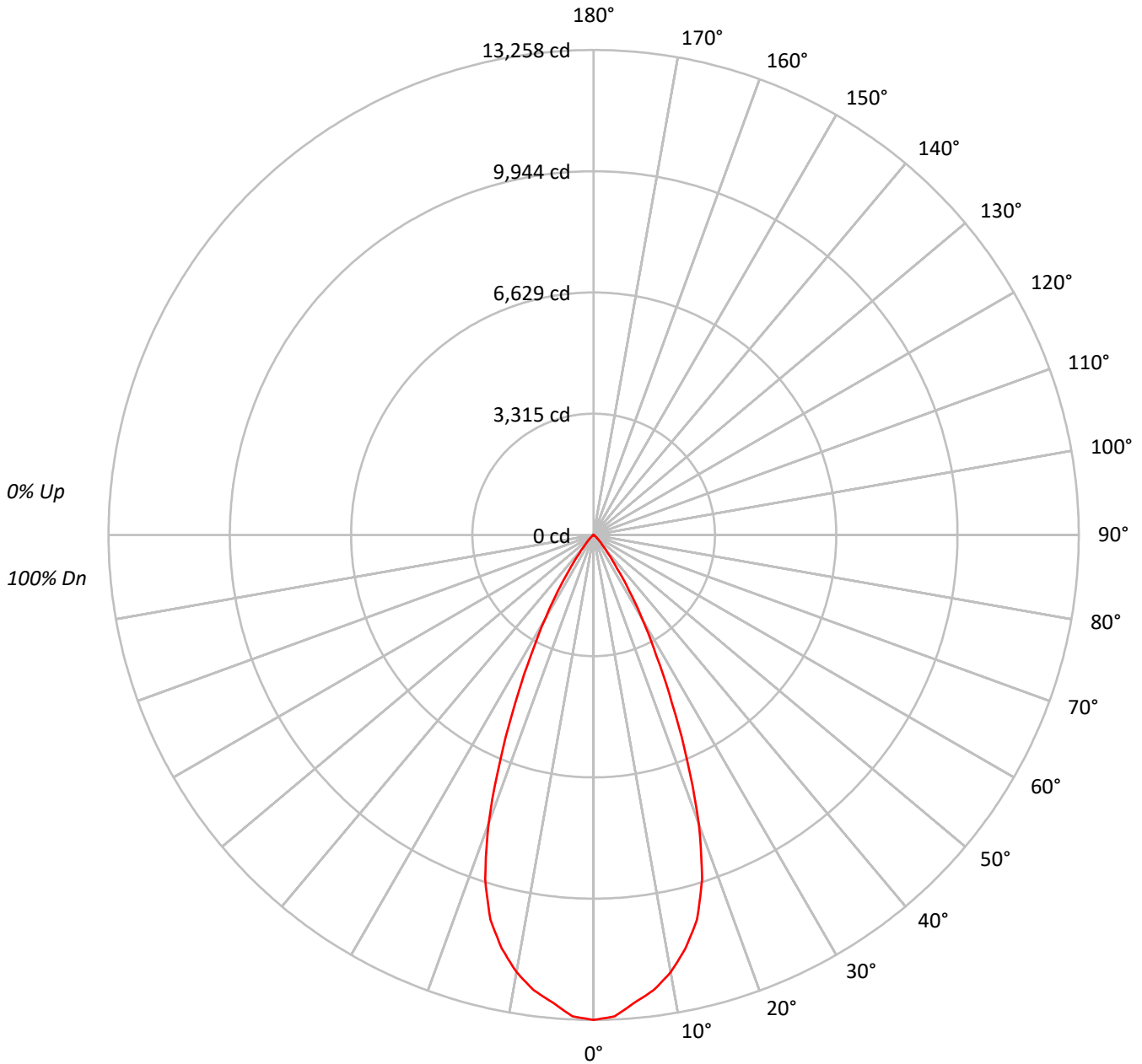
Lumens per Lamp: N/A
Luminaire Lumens: 7501.1 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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					20	
RC	80					70					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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95			95	
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			90	
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85	
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81	
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77			77	
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			73	
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69			69	
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			66	
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			63	
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60			60	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1448634
5°	1407390
10°	1346488
15°	1232321
20°	977657
25°	610362
30°	336415
35°	151056
40°	59491
45°	28045
50°	13292
55°	6953
60°	3409
65°	801
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28045 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1205.7	16.1
10°-20°	2967.3	39.6
20°-30°	2349.8	31.3
30°-40°	782.5	10.4
40°-50°	155.3	2.1
50°-60°	35.3	0.5
60°-70°	5.0	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	6522.9	87.0
0°-40°	7305.4	97.4
0°-60°	7495.9	99.9
0°-90°	7501.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7501.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13258	
5°	12832	###
15°	10894	2967
25°	5063	2350
35°	1132	783
45°	182	155
55°	36	35
65°	3	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13258.5
2.5°	13171.9
5°	12832.0
7.5°	12551.5
10°	12136.4
12.5°	11583.7
15°	10894.4
17.5°	9857.8
20°	8408.3
22.5°	6681.4
25°	5062.9
27.5°	3707.2
30°	2666.5
32.5°	1813.5
35°	1132.5
37.5°	671.6
40°	417.1
42.5°	274.3
45°	181.5
47.5°	116.8
50°	78.2
52.5°	52.1
55°	36.5
57.5°	24.0
60°	15.6
62.5°	8.3
65°	3.1
67.5°	1.0
70°	1.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)