

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: P753674

Luminaire Tested: LD4D75BD010-EU4DR7070959050-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR7070959050-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

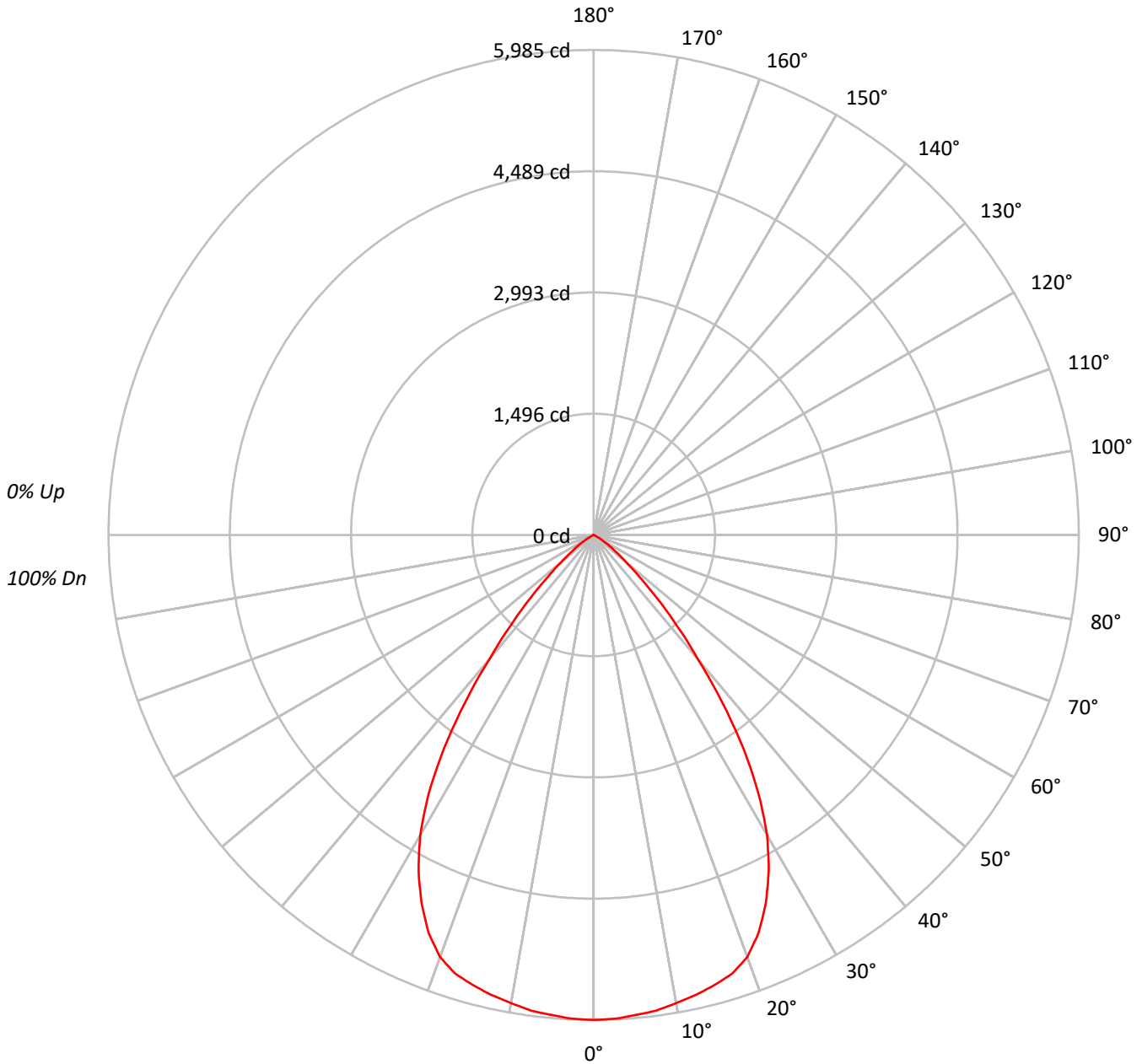
Lumens per Lamp: N/A
Luminaire Lumens: 7582.7 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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	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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93					93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85					85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78					78			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71					71			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65					65			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60					60			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56					56			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48					48			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44					44			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	653915
5°	652278
10°	650866
15°	650683
20°	644326
25°	605263
30°	539588
35°	430213
40°	285673
45°	170789
50°	88542
55°	46537
60°	16455
65°	284
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 170789 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.6	7.5
10°-20°	1622.1	21.4
20°-30°	2288.3	30.2
30°-40°	1975.4	26.1
40°-50°	884.6	11.7
50°-60°	231.6	3.1
60°-70°	15.1	0.2
70°-80°	0.0	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°	4476.0	59.0
0°-40°	6451.4	85.1
0°-60°	7567.6	99.8
0°-90°	7582.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7582.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5985	
5°	5947	566
15°	5752	1622
25°	5021	2288
35°	3225	1975
45°	1105	885
55°	244	232
65°	1	15
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5984.9
2.5°	5978.4
5°	5947.2
7.5°	5921.4
10°	5866.5
12.5°	5817.0
15°	5752.4
17.5°	5678.2
20°	5541.5
22.5°	5316.6
25°	5020.6
27.5°	4677.3
30°	4276.9
32.5°	3787.2
35°	3225.4
37.5°	2605.5
40°	2002.9
42.5°	1521.8
45°	1105.3
47.5°	762.0
50°	520.9
52.5°	359.5
55°	244.3
57.5°	147.4
60°	75.3
62.5°	23.7
65°	1.1
67.5°	0.0
70°	0.0
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)