

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: P755194

Luminaire Tested: LD4D85BD010-EU4DR7070959027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P755194
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: LD4D85BD010-EU4DR7070959027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6530.7 lumens
Efficiency: N/A
Efficacy: 74.5 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

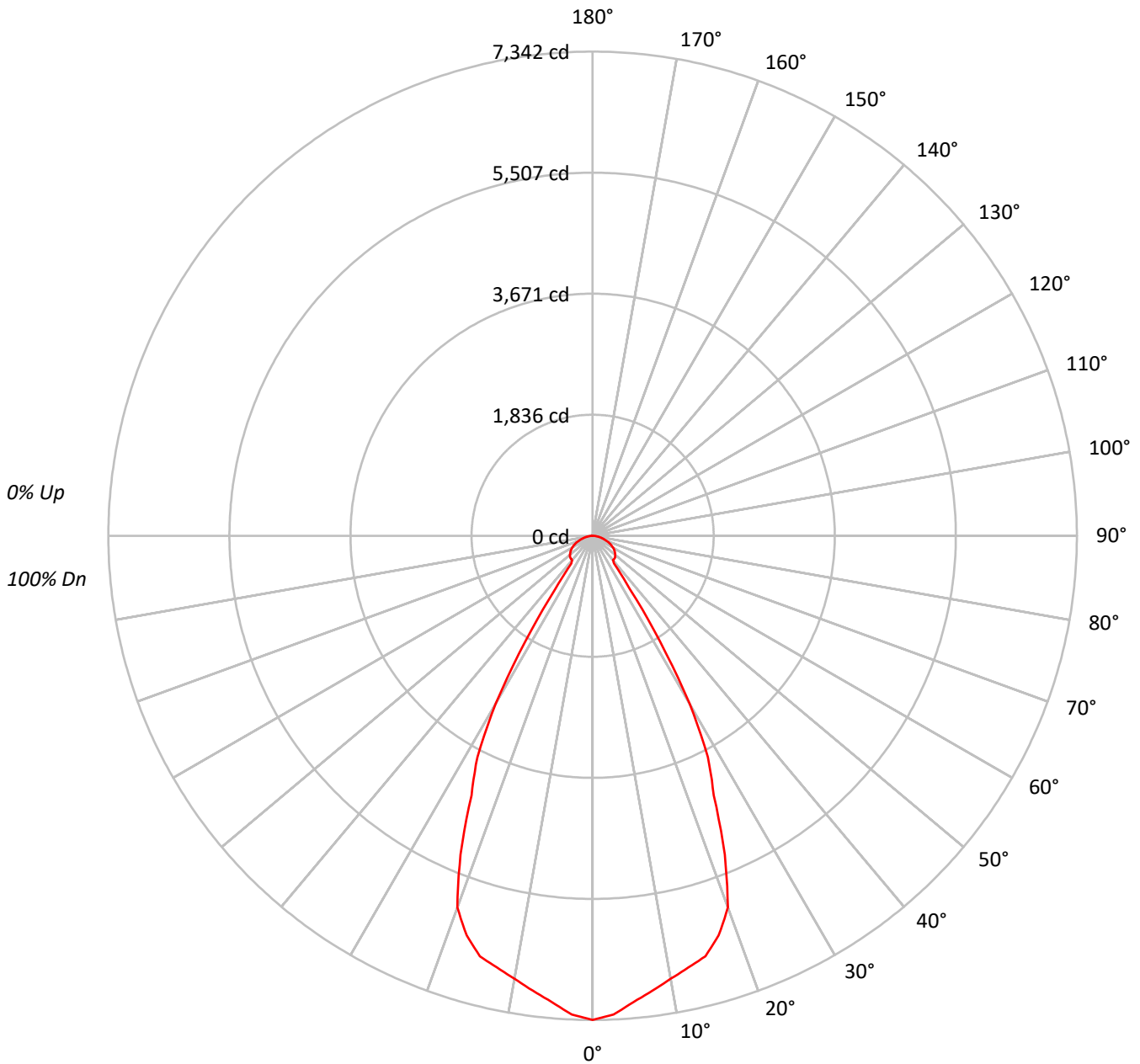
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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			
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°	802225
5°	778386
10°	756687
15°	746763
20°	697323
25°	523864
30°	370328
35°	131182
40°	68976
45°	73473
50°	76083
55°	77511
60°	77990
65°	76345
70°	72038
75°	66742
80°	59271
85°	48139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 78006 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.4	10.3
10°-20°	1836.1	28.1
20°-30°	2022.3	31.0
30°-40°	772.7	11.8
40°-50°	364.8	5.6
50°-60°	362.7	5.6
60°-70°	290.4	4.4
70°-80°	166.9	2.6
80°-90°	45.4	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°	4527.8	69.3
0°-40°	5300.4	81.2
0°-60°	6028.0	92.3
0°-90°	6530.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6530.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7342	
5°	7097	669
15°	6602	1836
25°	4345	2022
35°	984	773
45°	476	365
55°	407	363
65°	295	290
75°	158	167
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7342.3
2.5°	7265.6
5°	7097.0
7.5°	6956.3
10°	6820.3
12.5°	6705.2
15°	6601.8
17.5°	6351.8
20°	5997.3
22.5°	5232.4
25°	4345.4
27.5°	3782.7
30°	2935.3
32.5°	1896.0
35°	983.5
37.5°	531.3
40°	483.6
42.5°	480.1
45°	475.5
47.5°	465.0
50°	447.6
52.5°	427.8
55°	406.9
57.5°	383.6
60°	356.9
62.5°	326.7
65°	295.3
67.5°	260.4
70°	225.5
72.5°	190.6
75°	158.1
77.5°	124.4
80°	94.2
82.5°	66.3
85°	38.4
87.5°	15.1
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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