

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: P747394

Luminaire Tested: LD4D35BD010-EU4DR7020359027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747394
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: LD4D35BD010-EU4DR7020359027-4LBSQW1MW
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: 2575.9 lumens
Efficiency: N/A
Efficacy: 83.6 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

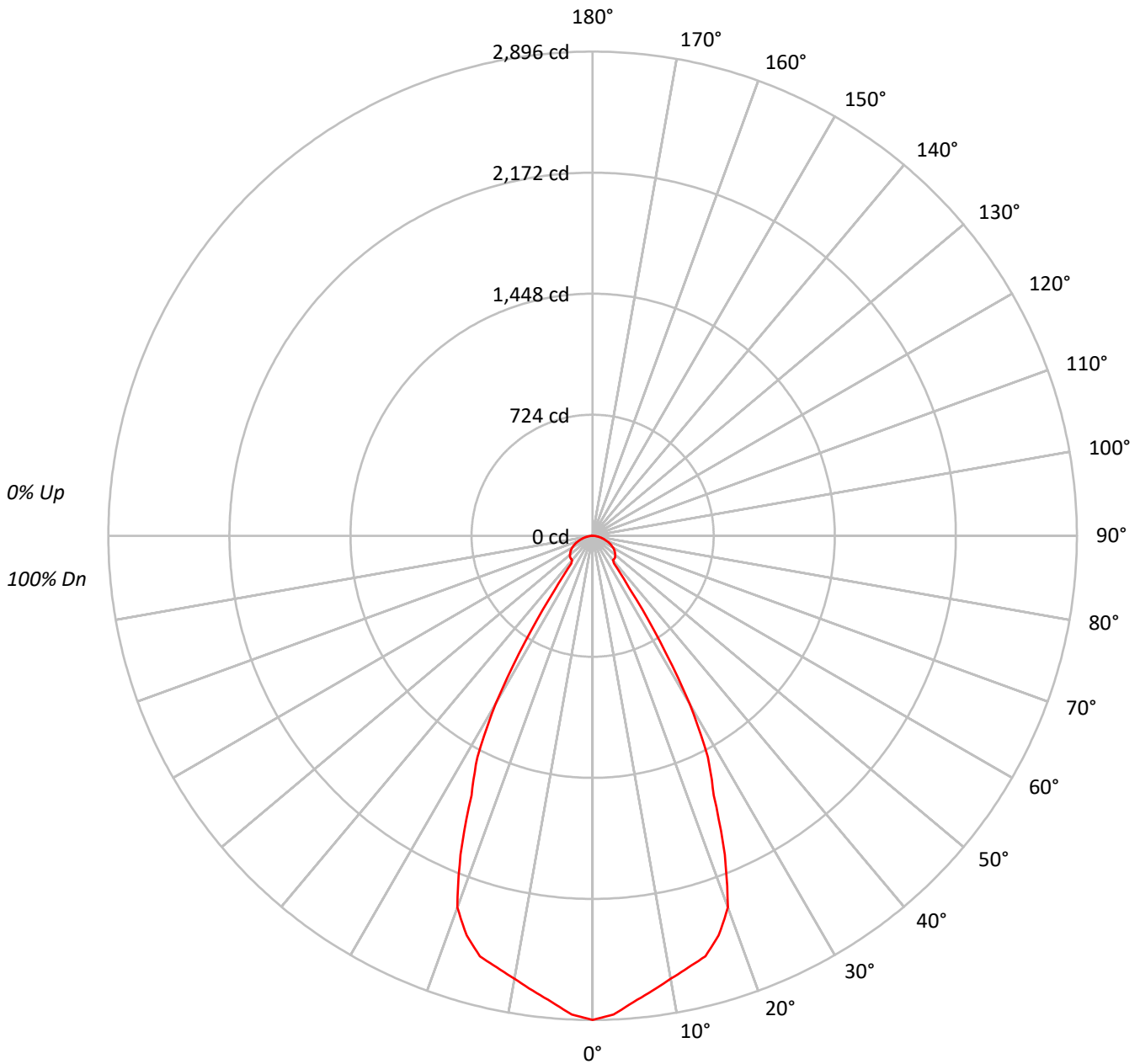
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	316419
5°	307022
10°	298457
15°	294540
20°	275043
25°	206633
30°	146072
35°	51739
40°	27200
45°	28972
50°	30001
55°	30574
60°	30768
65°	30119
70°	28432
75°	26342
80°	23344
85°	18930

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 30768 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.0	10.3
10°-20°	724.2	28.1
20°-30°	797.6	31.0
30°-40°	304.7	11.8
40°-50°	143.9	5.6
50°-60°	143.1	5.6
60°-70°	114.5	4.4
70°-80°	65.9	2.6
80°-90°	17.9	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°	1785.9	69.3
0°-40°	2090.6	81.2
0°-60°	2377.6	92.3
0°-90°	2575.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2575.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2896	
5°	2799	264
15°	2604	724
25°	1714	798
35°	388	305
45°	188	144
55°	160	143
65°	116	115
75°	62	66
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2896.0
2.5°	2865.8
5°	2799.3
7.5°	2743.8
10°	2690.1
12.5°	2644.7
15°	2603.9
17.5°	2505.4
20°	2365.5
22.5°	2063.8
25°	1714.0
27.5°	1492.0
30°	1157.8
32.5°	747.8
35°	387.9
37.5°	209.5
40°	190.7
42.5°	189.4
45°	187.5
47.5°	183.4
50°	176.5
52.5°	168.7
55°	160.5
57.5°	151.3
60°	140.8
62.5°	128.8
65°	116.5
67.5°	102.7
70°	89.0
72.5°	75.2
75°	62.4
77.5°	49.1
80°	37.1
82.5°	26.1
85°	15.1
87.5°	6.0
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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