

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: P748226

Luminaire Tested: LD4D40BD010-EU4DR7040509050-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P748226
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: LD4D40BD010-EU4DR7040509050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

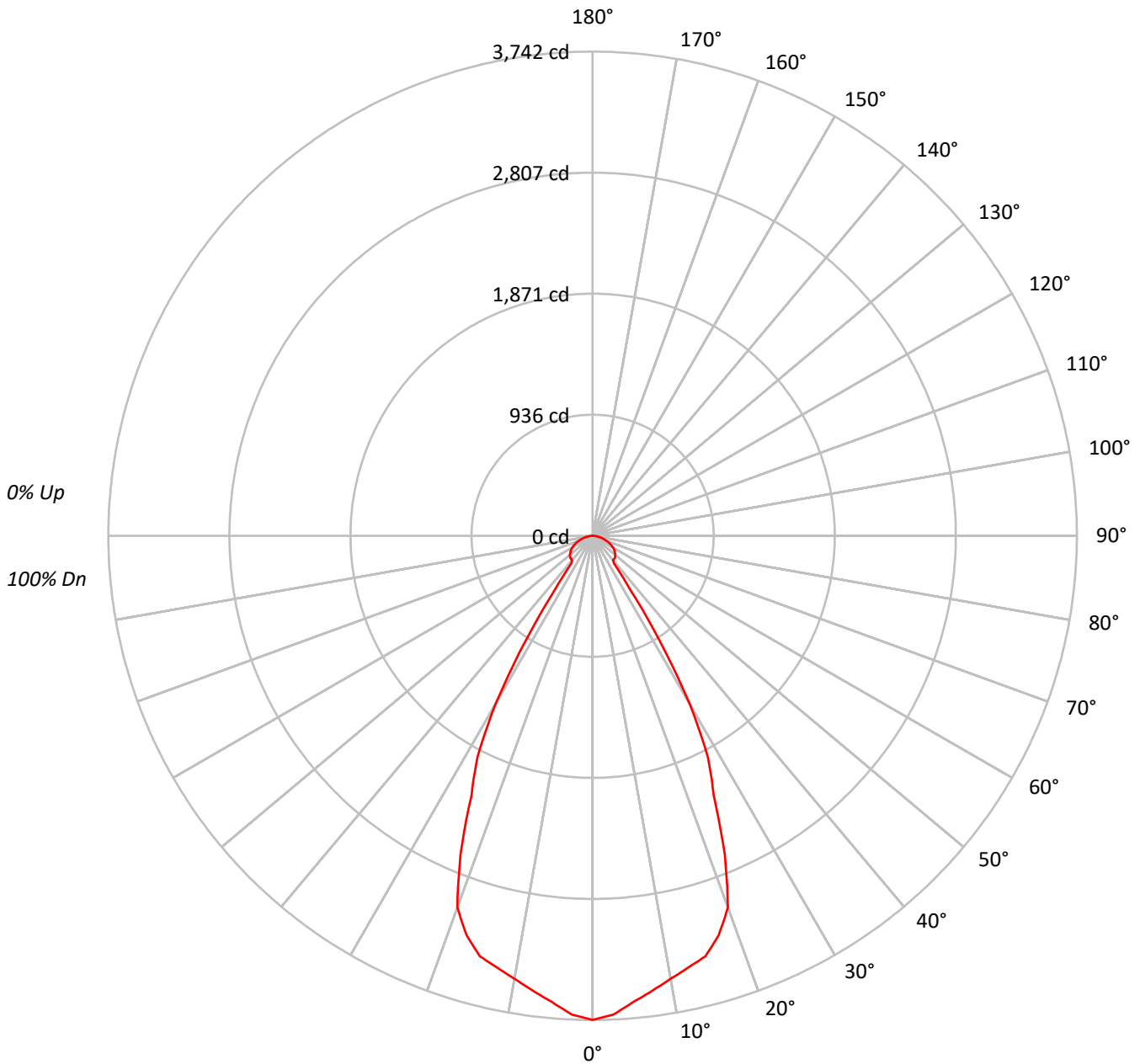
Lumens per Lamp: N/A
Luminaire Lumens: 3328.1 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 35.2
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	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°	408821
5°	396673
10°	385616
15°	380553
20°	355365
25°	266971
30°	188728
35°	66851
40°	35144
45°	37440
50°	38772
55°	39489
60°	39749
65°	38909
70°	36706
75°	34025
80°	30202
85°	24446

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 39755 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.1	10.2
10°-20°	935.7	28.1
20°-30°	1030.6	31.0
30°-40°	393.7	11.8
40°-50°	185.9	5.6
50°-60°	184.8	5.6
60°-70°	148.0	4.4
70°-80°	85.1	2.6
80°-90°	23.1	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°	2307.4	69.3
0°-40°	2701.2	81.2
0°-60°	3071.9	92.3
0°-90°	3328.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3328.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3742	
5°	3617	341
15°	3364	936
25°	2214	1031
35°	501	394
45°	242	186
55°	207	185
65°	150	148
75°	81	85
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3741.7
2.5°	3702.6
5°	3616.7
7.5°	3545.0
10°	3475.7
12.5°	3417.1
15°	3364.3
17.5°	3237.0
20°	3056.3
22.5°	2666.5
25°	2214.5
27.5°	1927.7
30°	1495.9
32.5°	966.2
35°	501.2
37.5°	270.7
40°	246.4
42.5°	244.7
45°	242.3
47.5°	237.0
50°	228.1
52.5°	218.0
55°	207.3
57.5°	195.5
60°	181.9
62.5°	166.5
65°	150.5
67.5°	132.7
70°	114.9
72.5°	97.2
75°	80.6
77.5°	63.4
80°	48.0
82.5°	33.8
85°	19.5
87.5°	7.7
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)