

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: P748213

Luminaire Tested: LD4D40BD010-EU4DR7040509040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P748213
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-EU4DR7040509040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

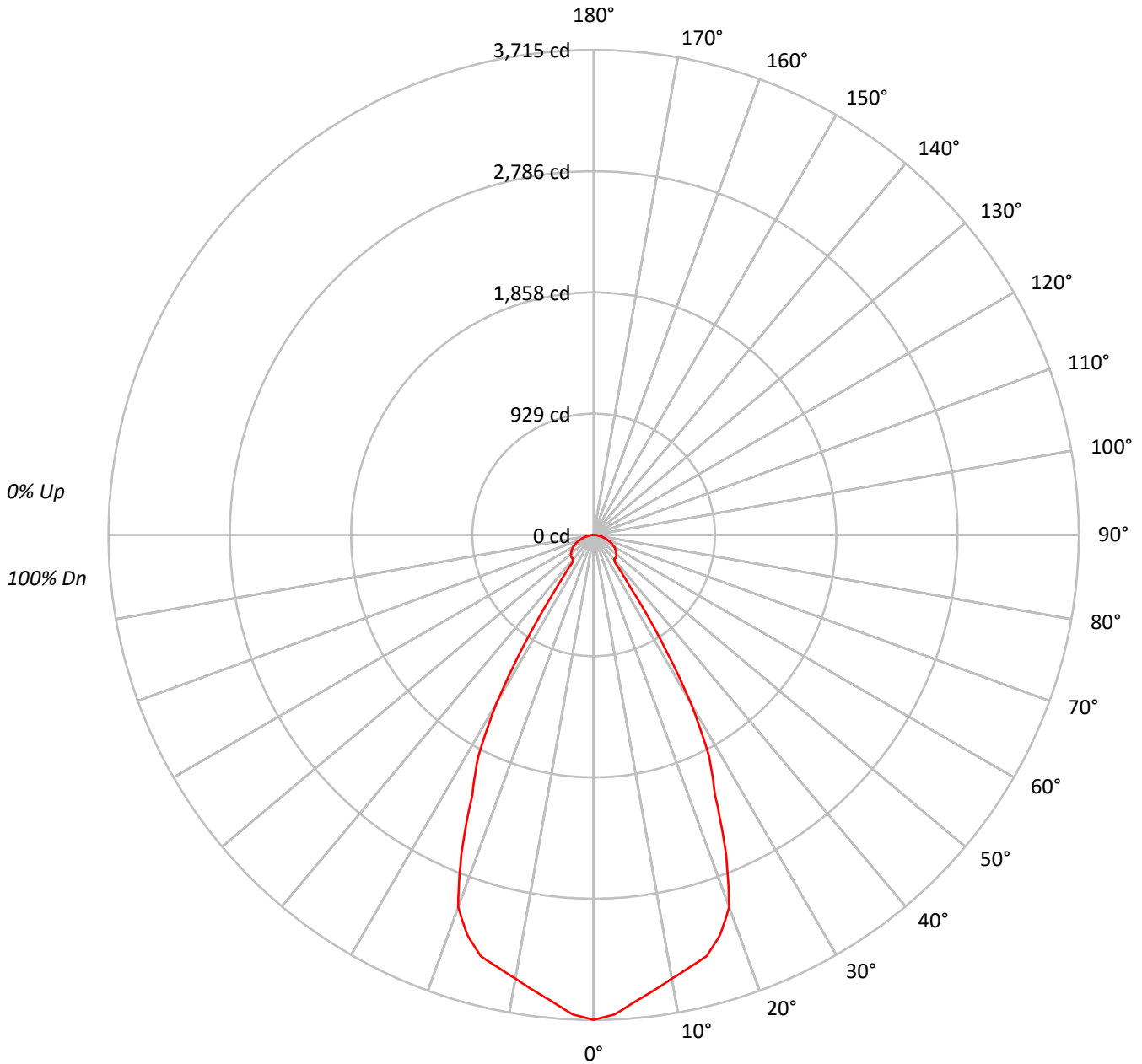
Lumens per Lamp: N/A
Luminaire Lumens: 3304.5 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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°	405926
5°	393865
10°	382887
15°	377861
20°	352842
25°	265066
30°	187378
35°	66371
40°	34902
45°	37177
50°	38500
55°	39222
60°	39465
65°	38625
70°	36450
75°	33772
80°	29950
85°	24320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 39471 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.7	10.3
10°-20°	929.1	28.1
20°-30°	1023.3	31.0
30°-40°	390.9	11.8
40°-50°	184.6	5.6
50°-60°	183.5	5.6
60°-70°	146.9	4.4
70°-80°	84.4	2.6
80°-90°	22.9	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°	2291.0	69.3
0°-40°	2682.0	81.2
0°-60°	3050.1	92.3
0°-90°	3304.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3304.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3715	
5°	3591	339
15°	3340	929
25°	2199	1023
35°	498	391
45°	241	185
55°	206	184
65°	149	147
75°	80	84
85°	19	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3715.2
2.5°	3676.3
5°	3591.1
7.5°	3519.9
10°	3451.1
12.5°	3392.8
15°	3340.5
17.5°	3214.0
20°	3034.6
22.5°	2647.6
25°	2198.7
27.5°	1914.1
30°	1485.2
32.5°	959.4
35°	497.6
37.5°	268.8
40°	244.7
42.5°	242.9
45°	240.6
47.5°	235.3
50°	226.5
52.5°	216.5
55°	205.9
57.5°	194.1
60°	180.6
62.5°	165.3
65°	149.4
67.5°	131.8
70°	114.1
72.5°	96.5
75°	80.0
77.5°	62.9
80°	47.6
82.5°	33.5
85°	19.4
87.5°	7.6
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)