

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: P748099

Luminaire Tested: LD4D40BD010-EU4DR6540509030-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P748099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D40BD010-EU4DR6540509030-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

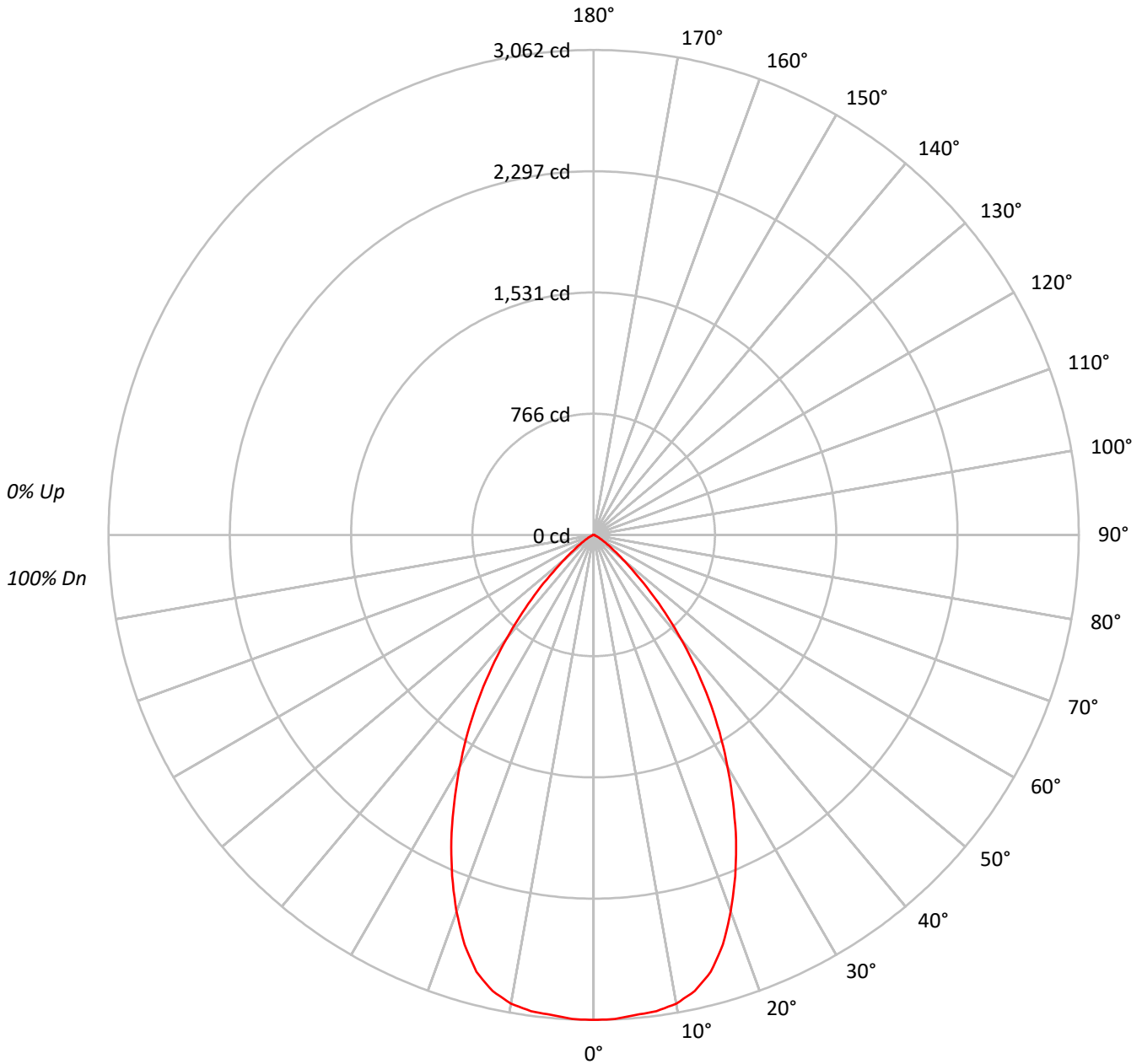
Lumens per Lamp: N/A
Luminaire Lumens: 3372.1 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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				100															
1	113	110	107	105	111	108	105	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	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	178821
5°	178373
10°	178217
15°	172722
20°	157245
25°	137028
30°	113972
35°	90306
40°	65178
45°	41174
50°	21461
55°	11404
60°	5992
65°	3289
70°	1383
75°	1512
80°	1043
85°	871

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 41174 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.6	8.6
10°-20°	792.9	23.5
20°-30°	969.2	28.7
30°-40°	786.4	23.3
40°-50°	391.9	11.6
50°-60°	109.3	3.2
60°-70°	24.8	0.7
70°-80°	6.4	0.2
80°-90°	1.6	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°	2051.6	60.8
0°-40°	2838.0	84.2
0°-60°	3339.2	99.0
0°-90°	3372.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3372.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3062	
5°	3042	290
15°	2857	793
25°	2126	969
35°	1267	786
45°	498	392
55°	112	109
65°	24	25
75°	7	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3061.8
2.5°	3059.6
5°	3042.5
7.5°	3032.6
10°	3005.1
12.5°	2949.3
15°	2856.6
17.5°	2711.8
20°	2530.0
22.5°	2333.8
25°	2126.4
27.5°	1904.6
30°	1690.0
32.5°	1478.0
35°	1266.6
37.5°	1055.6
40°	854.9
42.5°	666.8
45°	498.5
47.5°	347.4
50°	236.2
52.5°	162.9
55°	112.0
57.5°	75.6
60°	51.3
62.5°	35.5
65°	23.8
67.5°	12.1
70°	8.1
72.5°	7.6
75°	6.7
77.5°	4.5
80°	3.1
82.5°	2.2
85°	1.3
87.5°	0.9
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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