

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: P754365

Luminaire Tested: LD4D80BD010-EU4DR6570959040-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P754365
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: LD4D80BD010-EU4DR6570959040-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7216.1 lumens
Efficiency: N/A
Efficacy: 91.5 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

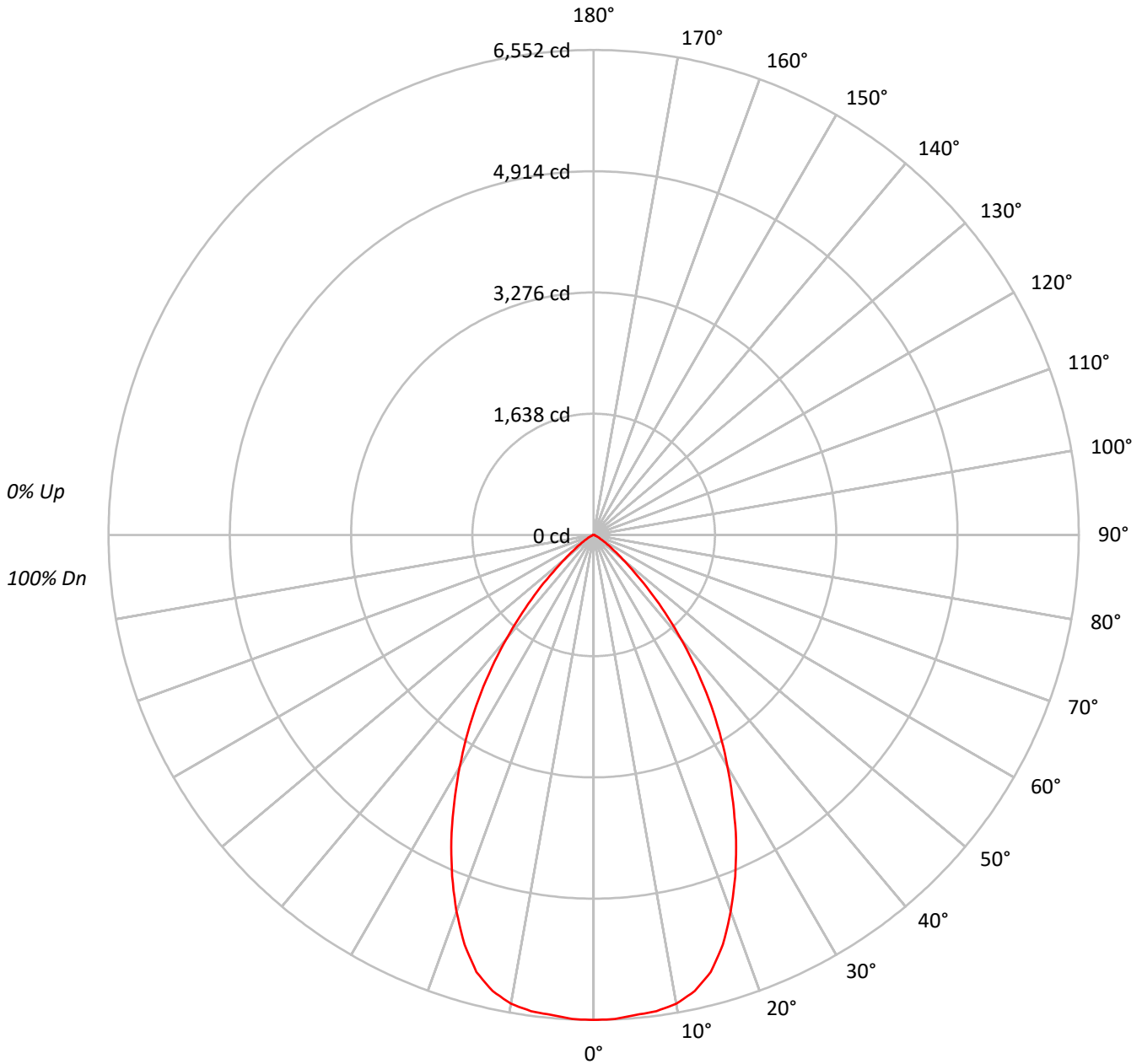
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	382662
5°	381697
10°	381372
15°	369617
20°	336491
25°	293228
30°	243886
35°	193246
40°	139475
45°	88113
50°	45930
55°	24407
60°	12825
65°	7048
70°	2954
75°	3249
80°	2253
85°	1943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 88113 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	619.6	8.6
10°-20°	1696.7	23.5
20°-30°	2074.0	28.7
30°-40°	1682.8	23.3
40°-50°	838.6	11.6
50°-60°	233.9	3.2
60°-70°	53.2	0.7
70°-80°	13.8	0.2
80°-90°	3.5	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°	4390.3	60.8
0°-40°	6073.1	84.2
0°-60°	7145.6	99.0
0°-90°	7216.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7216.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6552	
5°	6511	620
15°	6113	1697
25°	4550	2074
35°	2710	1683
45°	1067	839
55°	240	234
65°	51	53
75°	14	14
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6552.0
2.5°	6547.2
5°	6510.6
7.5°	6489.4
10°	6430.7
12.5°	6311.3
15°	6113.0
17.5°	5802.9
20°	5414.0
22.5°	4994.2
25°	4550.3
27.5°	4075.6
30°	3616.4
32.5°	3162.9
35°	2710.4
37.5°	2258.8
40°	1829.4
42.5°	1426.9
45°	1066.8
47.5°	743.3
50°	505.5
52.5°	348.5
55°	239.7
57.5°	161.8
60°	109.8
62.5°	76.1
65°	51.0
67.5°	26.0
70°	17.3
72.5°	16.4
75°	14.4
77.5°	9.6
80°	6.7
82.5°	4.8
85°	2.9
87.5°	1.9
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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