

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: P754313

Luminaire Tested: LD4D80BD010-EU4DR6570959024-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P754313
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-EU4DR6570959024-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5845.6 lumens
Efficiency: N/A
Efficacy: 74.1 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

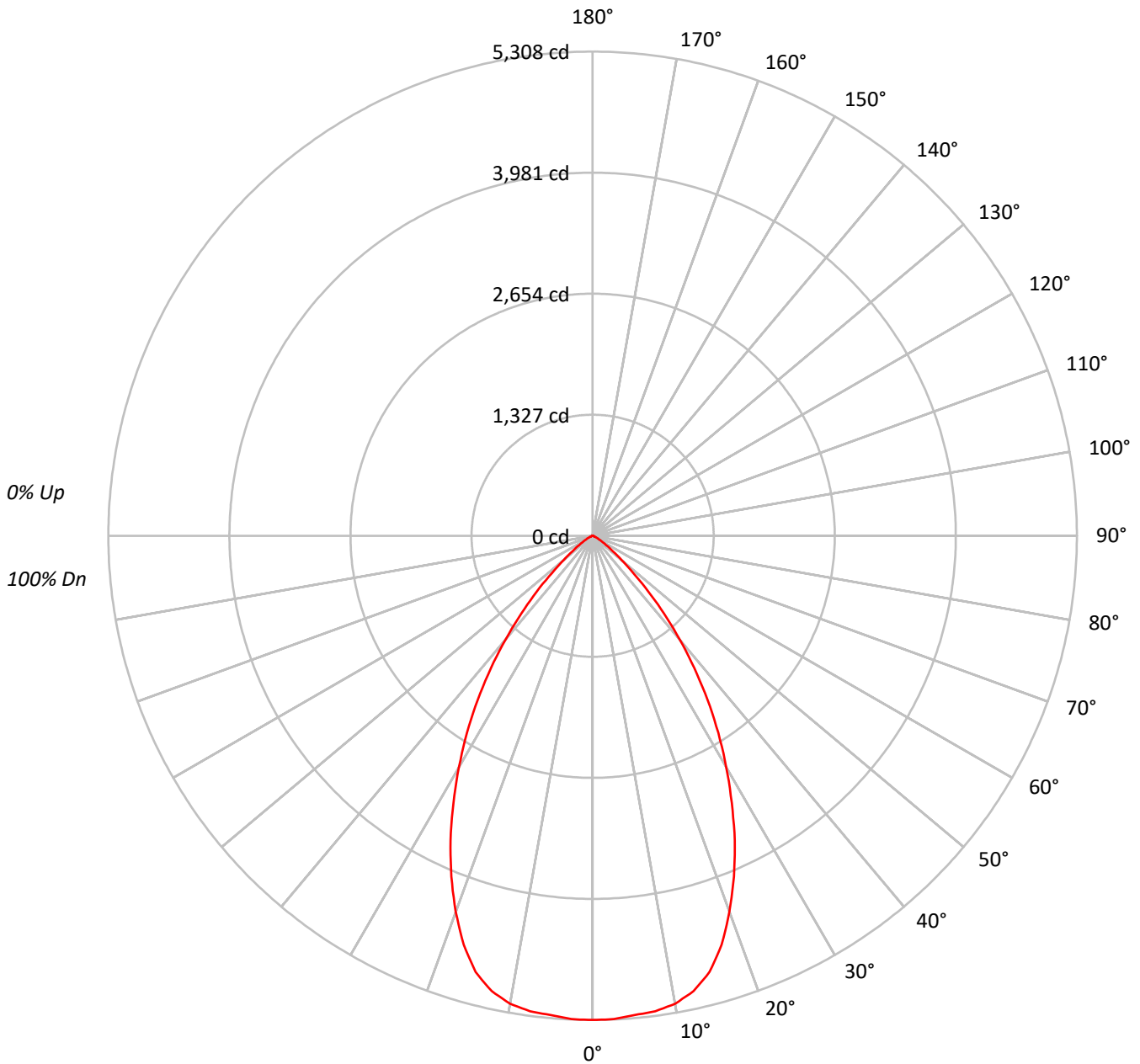
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	309990
5°	309210
10°	308943
15°	299418
20°	272587
25°	237538
30°	197569
35°	156542
40°	112981
45°	71379
50°	37207
55°	19774
60°	10384
65°	5707
70°	2391
75°	2640
80°	1850
85°	1541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 71379 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.9	8.6
10°-20°	1374.5	23.5
20°-30°	1680.1	28.7
30°-40°	1363.2	23.3
40°-50°	679.3	11.6
50°-60°	189.5	3.2
60°-70°	43.0	0.7
70°-80°	11.2	0.2
80°-90°	2.9	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°	3556.6	60.8
0°-40°	4919.7	84.2
0°-60°	5788.5	99.0
0°-90°	5845.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5845.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5308	
5°	5274	502
15°	4952	1375
25°	3686	1680
35°	2196	1363
45°	864	679
55°	194	189
65°	41	43
75°	12	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5307.7
2.5°	5303.8
5°	5274.2
7.5°	5257.0
10°	5209.4
12.5°	5112.7
15°	4952.0
17.5°	4700.9
20°	4385.8
22.5°	4045.7
25°	3686.1
27.5°	3301.6
30°	2929.6
32.5°	2562.2
35°	2195.6
37.5°	1829.8
40°	1481.9
42.5°	1155.9
45°	864.2
47.5°	602.1
50°	409.5
52.5°	282.3
55°	194.2
57.5°	131.0
60°	88.9
62.5°	61.6
65°	41.3
67.5°	21.1
70°	14.0
72.5°	13.3
75°	11.7
77.5°	7.8
80°	5.5
82.5°	3.9
85°	2.3
87.5°	1.6
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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