

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: P754245

Luminaire Tested: LD4D80BD010-EU4DR6070959024-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P754245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D80BD010-EU4DR6070959024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

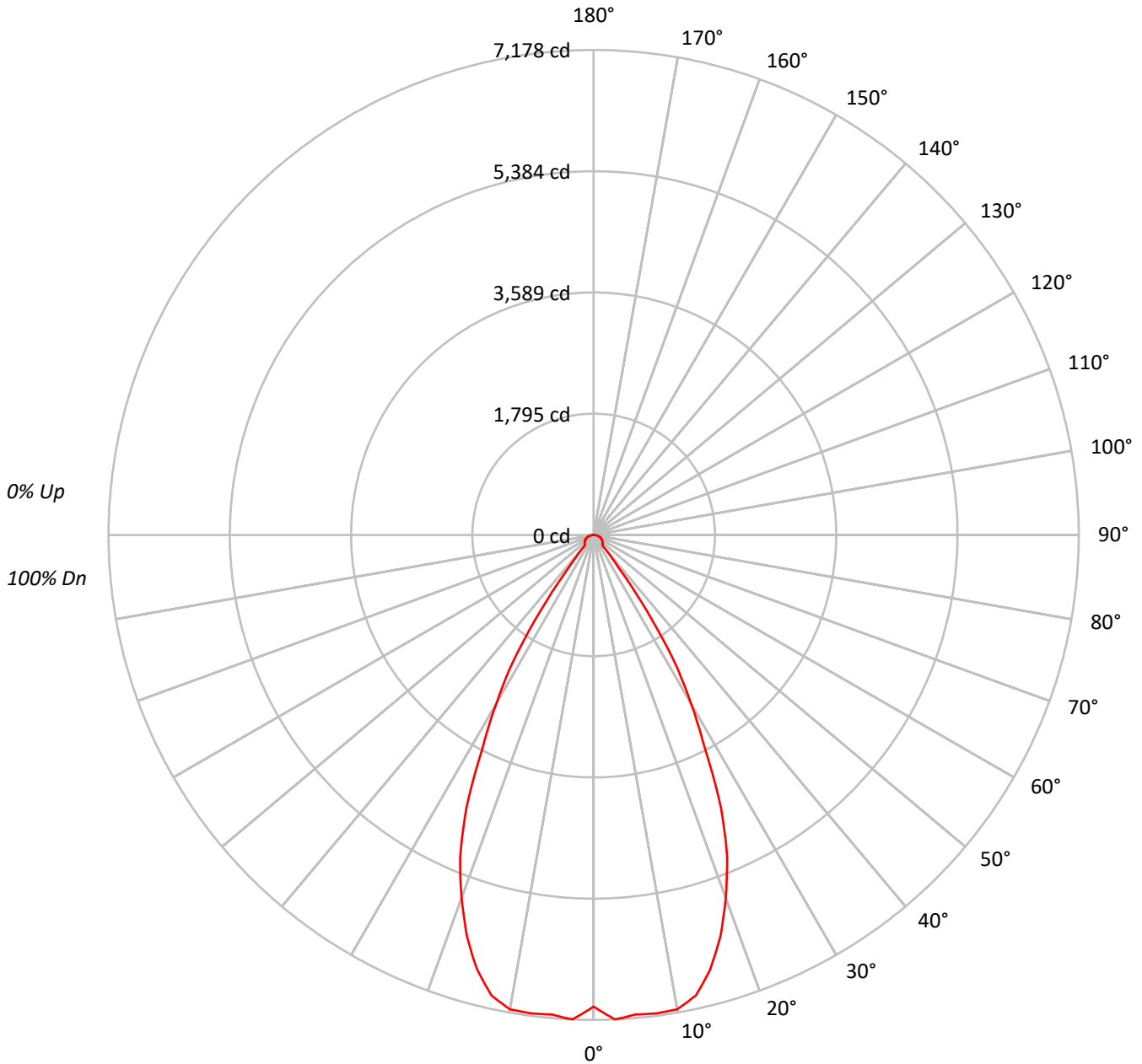
Lumens per Lamp: N/A
Luminaire Lumens: 5878.6 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	762815
5°	781577
10°	791014
15°	753550
20°	664395
25°	537378
30°	363490
35°	182147
40°	29553
45°	28926
50°	29491
55°	29945
60°	30768
65°	31489
70°	32233
75°	32590
80°	31460
85°	26201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 32590 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.1	11.6
10°-20°	1842.7	31.3
20°-30°	1982.6	33.7
30°-40°	861.8	14.7
40°-50°	144.7	2.5
50°-60°	140.7	2.4
60°-70°	120.4	2.0
70°-80°	80.5	1.4
80°-90°	24.1	0.4
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°	4506.3	76.7
0°-40°	5368.1	91.3
0°-60°	5653.6	96.2
0°-90°	5878.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5878.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6982	
5°	7126	681
15°	6662	1843
25°	4458	1983
35°	1366	862
45°	187	145
55°	157	141
65°	122	120
75°	77	81
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6981.6
2.5°	7177.8
5°	7126.1
7.5°	7142.4
10°	7129.7
12.5°	6982.5
15°	6661.8
17.5°	6231.1
20°	5714.1
22.5°	5160.8
25°	4457.5
27.5°	3565.3
30°	2881.1
32.5°	2220.6
35°	1365.6
37.5°	584.2
40°	207.2
42.5°	190.8
45°	187.2
47.5°	180.8
50°	173.5
52.5°	165.4
55°	157.2
57.5°	149.0
60°	140.8
62.5°	131.7
65°	121.8
67.5°	111.8
70°	100.9
72.5°	89.0
75°	77.2
77.5°	63.6
80°	50.0
82.5°	35.4
85°	20.9
87.5°	7.3
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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