

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: P756806

Luminaire Tested: LD4D95BD010-EU4DR7070959050-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756806
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: LD4D95BD010-EU4DR7070959050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

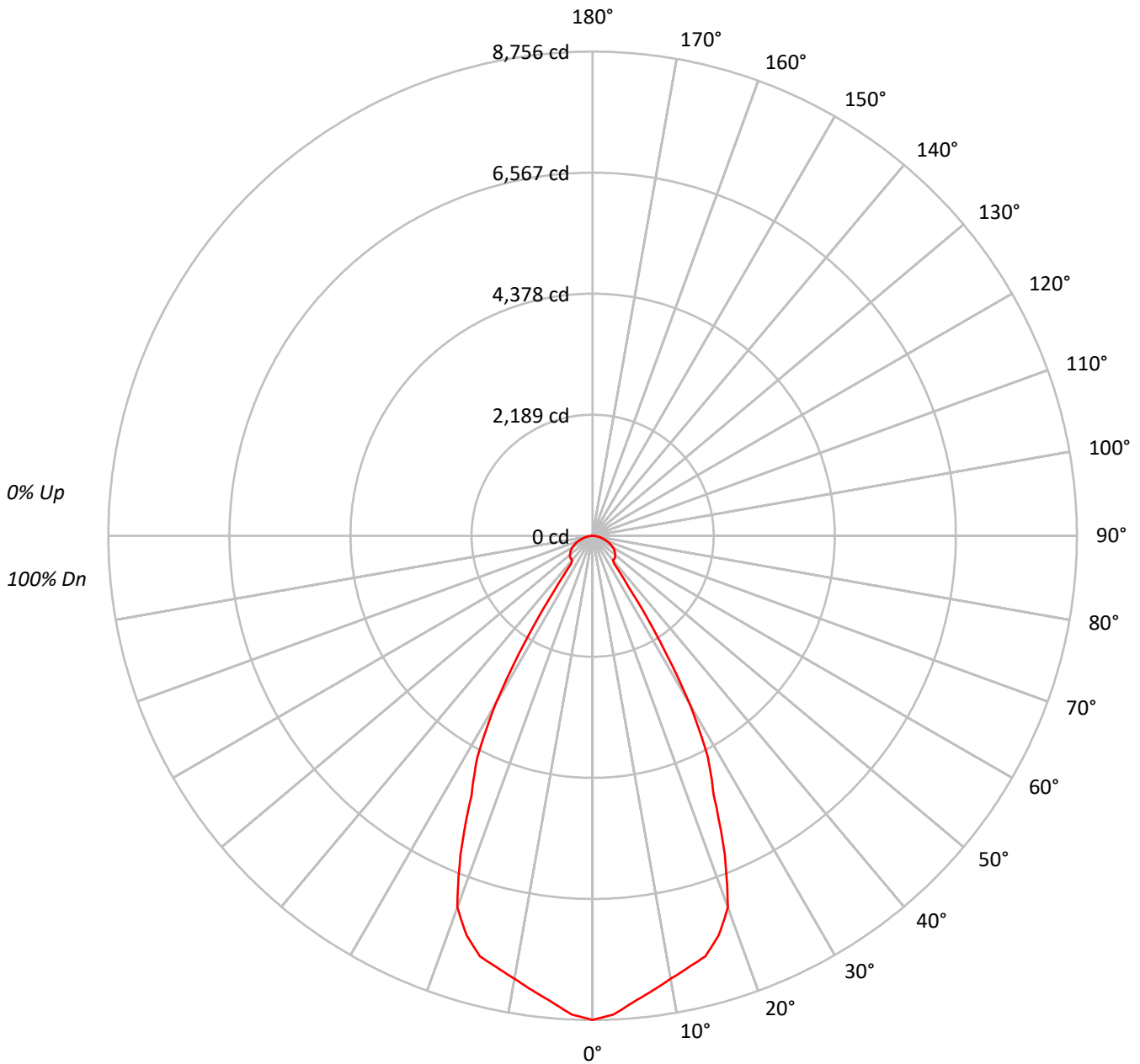
Lumens per Lamp: N/A
Luminaire Lumens: 7788.2 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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°	956709
5°	928283
10°	902404
15°	890566
20°	831607
25°	624745
30°	441635
35°	156445
40°	82255
45°	87612
50°	90718
55°	92426
60°	93003
65°	91029
70°	85934
75°	79575
80°	70660
85°	57291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 93033 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.3	10.3
10°-20°	2189.7	28.1
20°-30°	2411.7	31.0
30°-40°	921.4	11.8
40°-50°	435.1	5.6
50°-60°	432.5	5.6
60°-70°	346.3	4.4
70°-80°	199.0	2.6
80°-90°	54.1	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°	5399.7	69.3
0°-40°	6321.1	81.2
0°-60°	7188.7	92.3
0°-90°	7788.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7788.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8756	
5°	8464	798
15°	7873	2190
25°	5182	2412
35°	1173	921
45°	567	435
55°	485	433
65°	352	346
75°	188	199
85°	46	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8756.2
2.5°	8664.7
5°	8463.7
7.5°	8295.9
10°	8133.7
12.5°	7996.5
15°	7873.1
17.5°	7575.0
20°	7152.2
22.5°	6240.0
25°	5182.2
27.5°	4511.2
30°	3500.5
32.5°	2261.1
35°	1172.9
37.5°	633.6
40°	576.7
42.5°	572.6
45°	567.0
47.5°	554.5
50°	533.7
52.5°	510.2
55°	485.2
57.5°	457.5
60°	425.6
62.5°	389.6
65°	352.1
67.5°	310.5
70°	269.0
72.5°	227.4
75°	188.5
77.5°	148.3
80°	112.3
82.5°	79.0
85°	45.7
87.5°	18.0
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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