

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: P756650

Luminaire Tested: LD4D95BD010-EU4DR6070959050-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756650
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: LD4D95BD010-EU4DR6070959050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

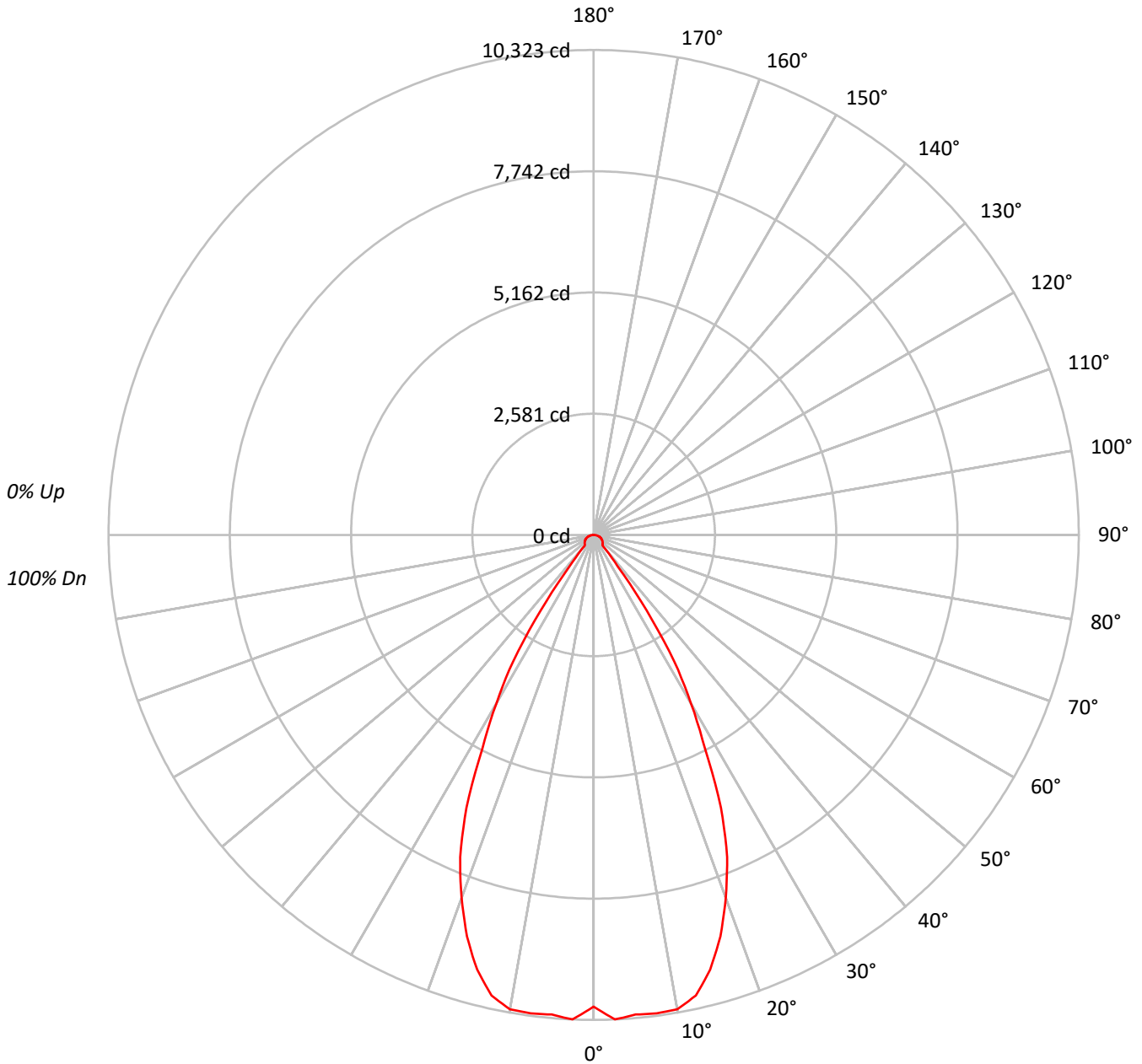
Lumens per Lamp: N/A
Luminaire Lumens: 8454.4 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1097044
5°	1124025
10°	1137599
15°	1083710
20°	955507
25°	772836
30°	522758
35°	261964
40°	42489
45°	41596
50°	42427
55°	43070
60°	44251
65°	45269
70°	46321
75°	46901
80°	45240
85°	37734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 46901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	979.5	11.6
10°-20°	2650.1	31.3
20°-30°	2851.2	33.7
30°-40°	1239.4	14.7
40°-50°	208.2	2.5
50°-60°	202.4	2.4
60°-70°	173.1	2.0
70°-80°	115.9	1.4
80°-90°	34.7	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°	6480.8	76.7
0°-40°	7720.2	91.3
0°-60°	8130.7	96.2
0°-90°	8454.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8454.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10041	
5°	10248	979
15°	9581	2650
25°	6411	2851
35°	1964	1239
45°	269	208
55°	226	202
65°	175	173
75°	111	116
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10040.6
2.5°	10322.8
5°	10248.4
7.5°	10271.9
10°	10253.6
12.5°	10041.9
15°	9580.6
17.5°	8961.3
20°	8217.8
22.5°	7422.0
25°	6410.6
27.5°	5127.4
30°	4143.5
32.5°	3193.5
35°	1964.0
37.5°	840.2
40°	297.9
42.5°	274.4
45°	269.2
47.5°	260.0
50°	249.6
52.5°	237.8
55°	226.1
57.5°	214.3
60°	202.5
62.5°	189.5
65°	175.1
67.5°	160.7
70°	145.0
72.5°	128.1
75°	111.1
77.5°	91.5
80°	71.9
82.5°	51.0
85°	30.1
87.5°	10.5
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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