

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: P756649

Luminaire Tested: LD4D95BD010-EU4DR6070959050-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756649
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-EU4DR6070959050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

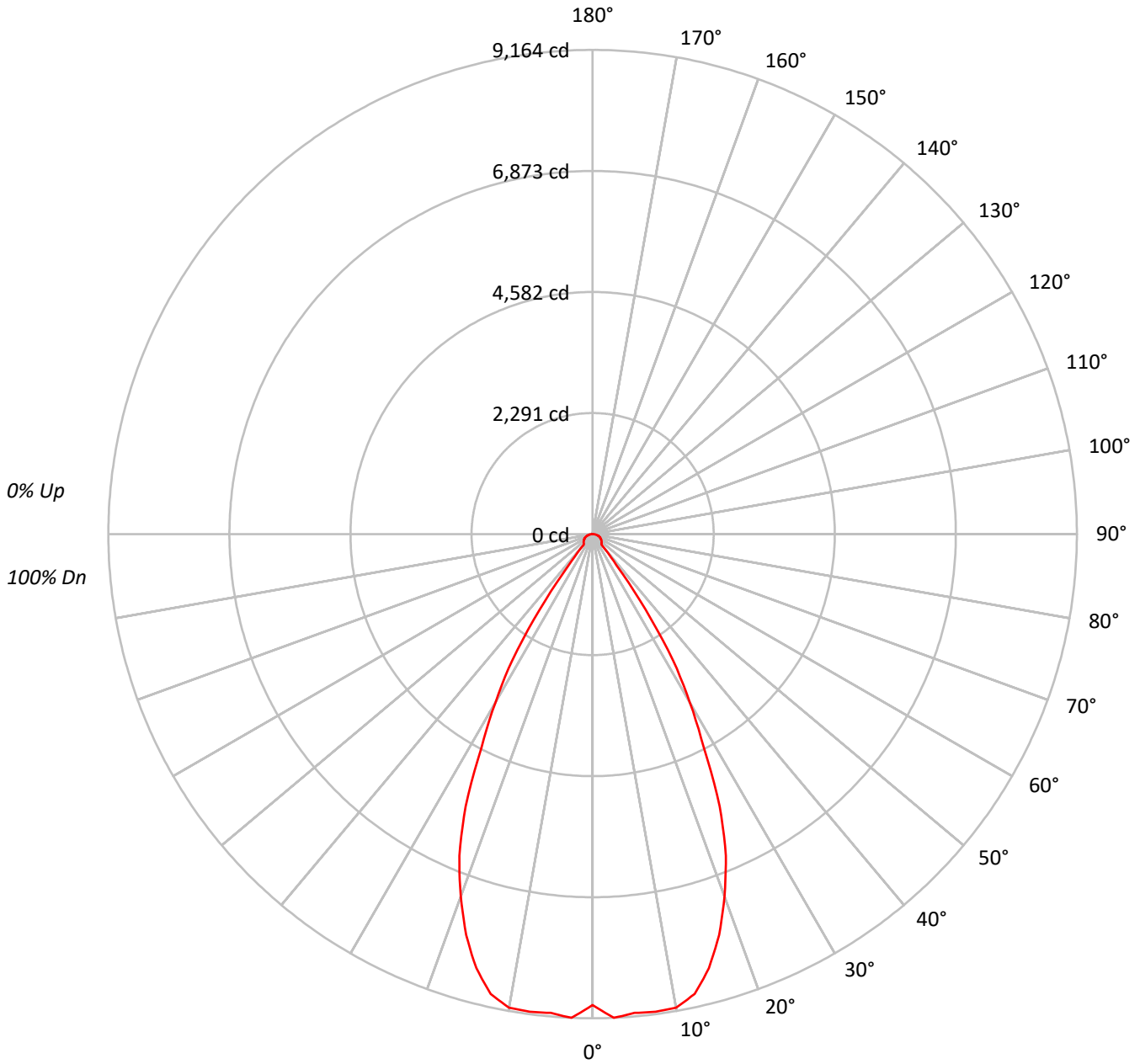
Lumens per Lamp: N/A
Luminaire Lumens: 7505.2 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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				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	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°	973874
5°	997830
10°	1009877
15°	962044
20°	848222
25°	686072
30°	464067
35°	232553
40°	37726
45°	36930
50°	37667
55°	38231
60°	39290
65°	40176
70°	41146
75°	41624
80°	40143
85°	33472

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 41624 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	869.5	11.6
10°-20°	2352.5	31.3
20°-30°	2531.1	33.7
30°-40°	1100.2	14.7
40°-50°	184.8	2.5
50°-60°	179.7	2.4
60°-70°	153.7	2.0
70°-80°	102.8	1.4
80°-90°	30.8	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°	5753.2	76.7
0°-40°	6853.4	91.3
0°-60°	7217.9	96.2
0°-90°	7505.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7505.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8913	
5°	9098	870
15°	8505	2353
25°	5691	2531
35°	1744	1100
45°	239	185
55°	201	180
65°	155	154
75°	99	103
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8913.3
2.5°	9163.9
5°	9097.8
7.5°	9118.6
10°	9102.4
12.5°	8914.5
15°	8505.0
17.5°	7955.2
20°	7295.1
22.5°	6588.7
25°	5690.9
27.5°	4551.8
30°	3678.3
32.5°	2835.0
35°	1743.5
37.5°	745.9
40°	264.5
42.5°	243.6
45°	239.0
47.5°	230.8
50°	221.6
52.5°	211.1
55°	200.7
57.5°	190.2
60°	179.8
62.5°	168.2
65°	155.4
67.5°	142.7
70°	128.8
72.5°	113.7
75°	98.6
77.5°	81.2
80°	63.8
82.5°	45.2
85°	26.7
87.5°	9.3
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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