

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: P756688

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959030-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

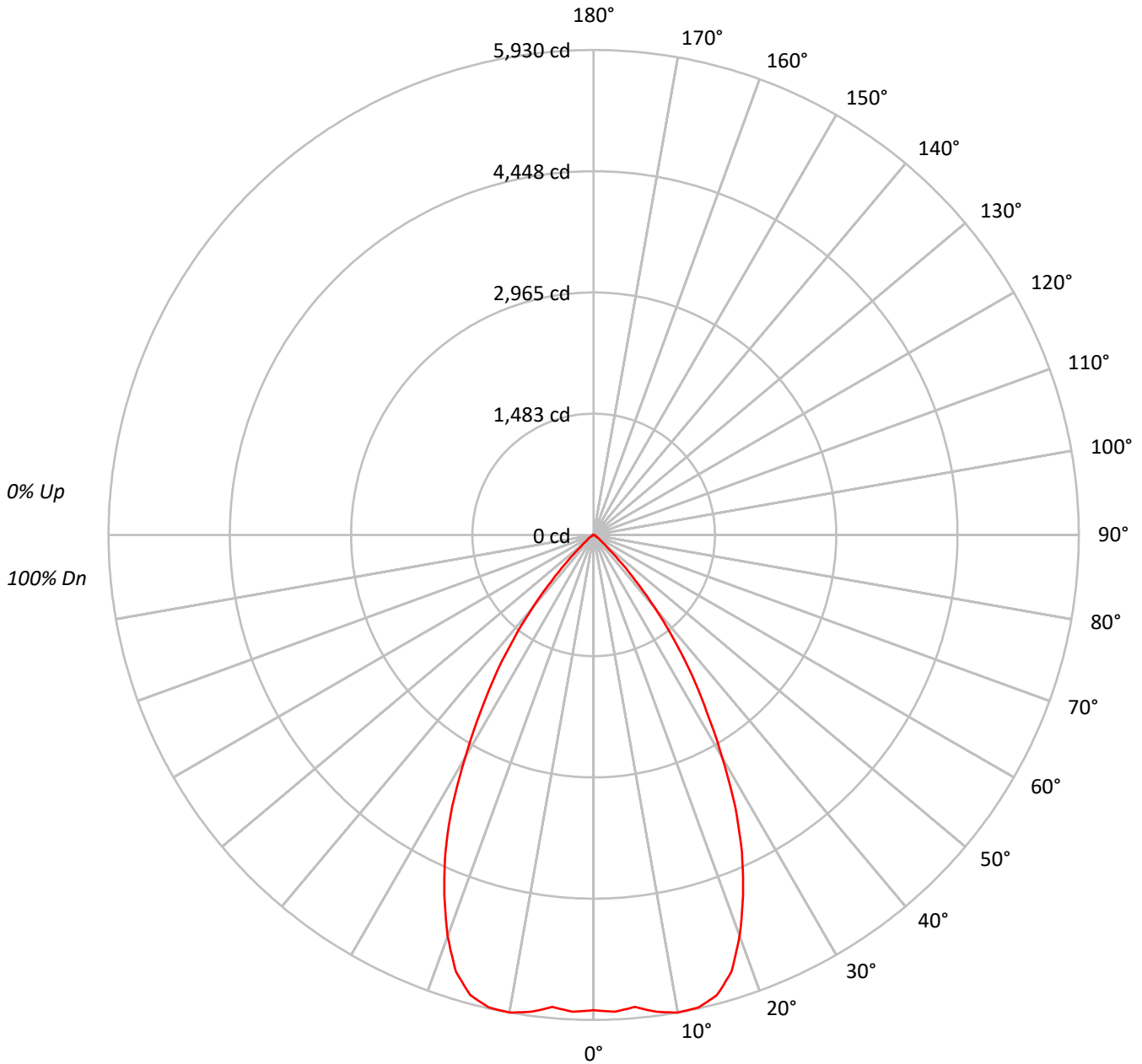
Lumens per Lamp: N/A
Luminaire Lumens: 5903.0 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	635024
5°	635552
10°	657923
15°	659008
20°	606735
25°	516968
30°	395750
35°	279597
40°	165037
45°	66999
50°	24290
55°	13525
60°	7758
65°	4266
70°	4472
75°	3504
80°	3649
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 66999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.6	9.5
10°-20°	1614.3	27.3
20°-30°	1936.9	32.8
30°-40°	1301.6	22.1
40°-50°	389.6	6.6
50°-60°	68.8	1.2
60°-70°	19.5	0.3
70°-80°	9.6	0.2
80°-90°	3.0	0.1
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°	4110.9	69.6
0°-40°	5412.5	91.7
0°-60°	5870.9	99.5
0°-90°	5903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5903.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5812	
5°	5795	560
15°	5826	1614
25°	4288	1937
35°	2096	1302
45°	434	390
55°	71	69
65°	16	20
75°	8	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5812.0
2.5°	5836.8
5°	5794.7
7.5°	5882.2
10°	5930.1
12.5°	5918.5
15°	5826.0
17.5°	5599.7
20°	5218.2
22.5°	4768.9
25°	4288.2
27.5°	3745.5
30°	3136.8
32.5°	2585.1
35°	2096.2
37.5°	1613.0
40°	1157.1
42.5°	755.7
45°	433.6
47.5°	229.6
50°	142.9
52.5°	99.1
55°	71.0
57.5°	51.2
60°	35.5
62.5°	23.1
65°	16.5
67.5°	14.9
70°	14.0
72.5°	10.7
75°	8.3
77.5°	7.4
80°	5.8
82.5°	4.1
85°	2.5
87.5°	1.7
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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