

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: P756753

Luminaire Tested: LD4D95BD010-EU4DR7070959027-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756753
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-EU4DR7070959027-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

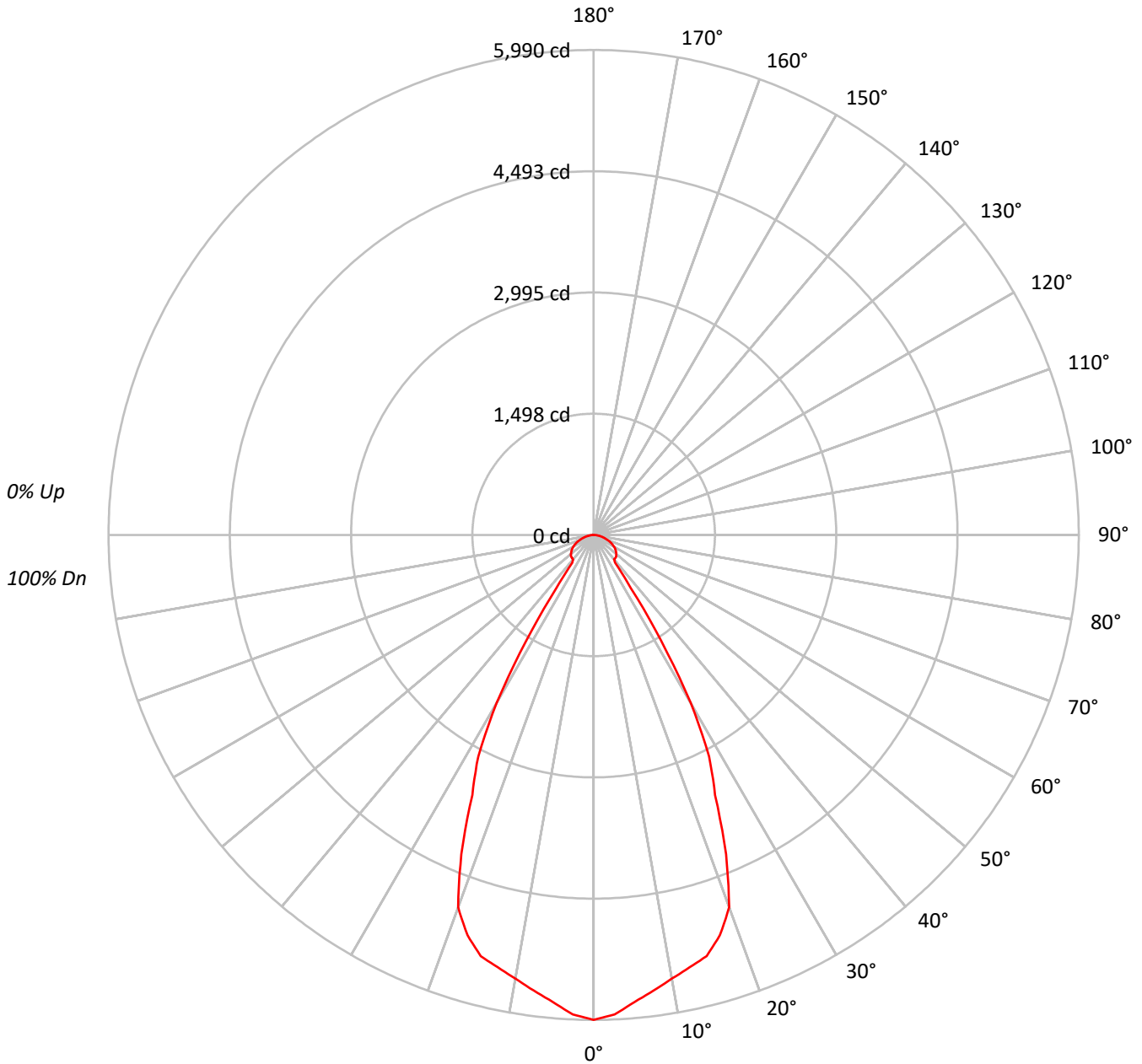
Lumens per Lamp: N/A
Luminaire Lumens: 5328.1 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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°	654505
5°	635058
10°	617361
15°	609260
20°	568923
25°	427407
30°	302136
35°	107026
40°	56267
45°	59938
50°	62060
55°	63243
60°	63633
65°	62281
70°	58780
75°	54457
80°	48323
85°	39239

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 63649 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.1	10.3
10°-20°	1498.0	28.1
20°-30°	1649.9	31.0
30°-40°	630.4	11.8
40°-50°	297.6	5.6
50°-60°	295.9	5.6
60°-70°	236.9	4.4
70°-80°	136.2	2.6
80°-90°	37.0	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°	3694.1	69.3
0°-40°	4324.4	81.2
0°-60°	4918.0	92.3
0°-90°	5328.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5328.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5990	
5°	5790	546
15°	5386	1498
25°	3545	1650
35°	802	630
45°	388	298
55°	332	296
65°	241	237
75°	129	136
85°	31	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5990.3
2.5°	5927.7
5°	5790.2
7.5°	5675.4
10°	5564.5
12.5°	5470.6
15°	5386.2
17.5°	5182.3
20°	4893.0
22.5°	4268.9
25°	3545.3
27.5°	3086.2
30°	2394.8
32.5°	1546.9
35°	802.4
37.5°	433.4
40°	394.5
42.5°	391.7
45°	387.9
47.5°	379.4
50°	365.1
52.5°	349.0
55°	332.0
57.5°	313.0
60°	291.2
62.5°	266.5
65°	240.9
67.5°	212.4
70°	184.0
72.5°	155.5
75°	129.0
77.5°	101.5
80°	76.8
82.5°	54.1
85°	31.3
87.5°	12.3
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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