

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: P756324

Luminaire Tested: LD4D95BD010-EU4DR4070959040-4LBSQW1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR4070959040-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

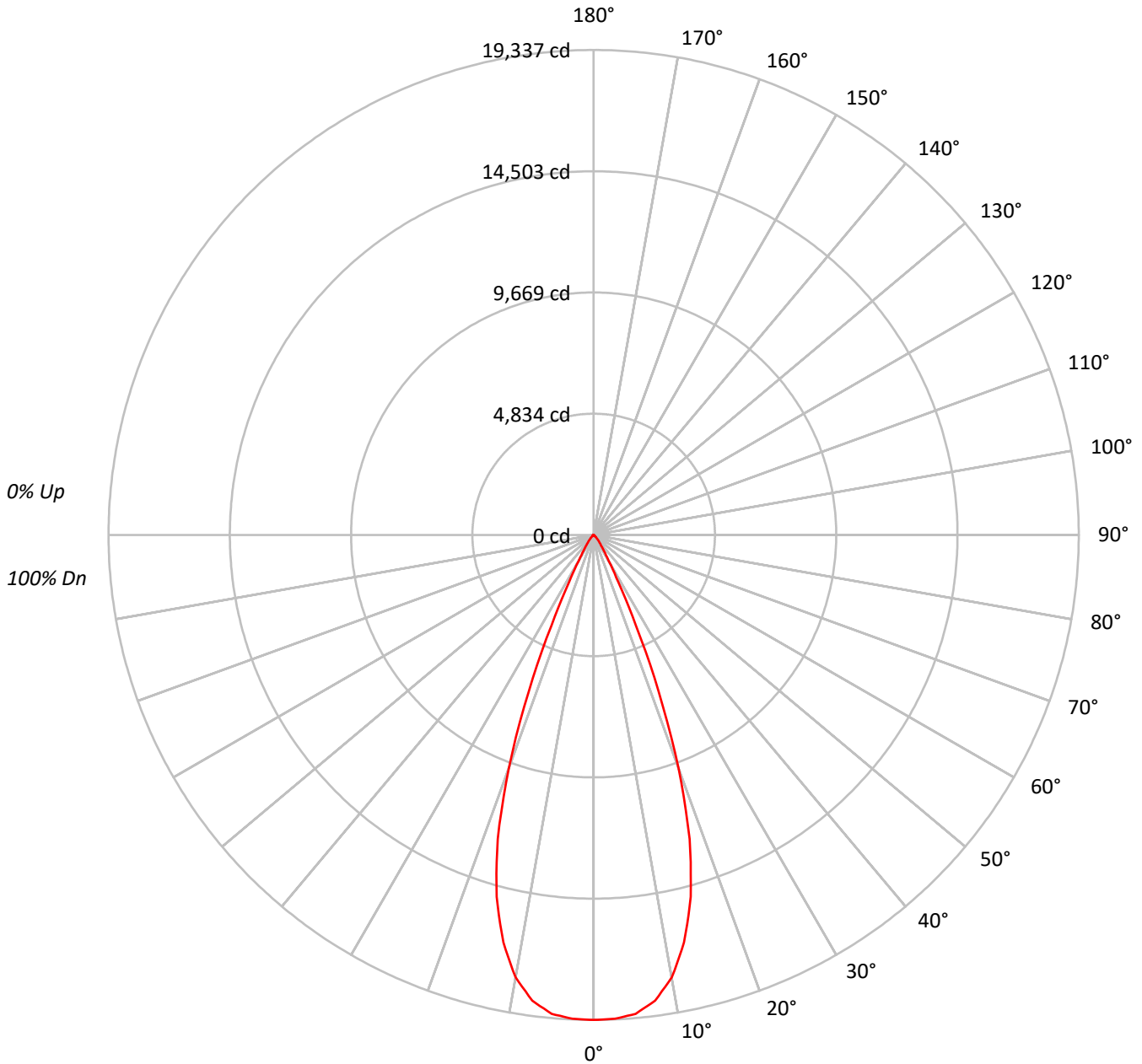
Lumens per Lamp: N/A
Luminaire Lumens: 8305.5 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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	50	30	10	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100														
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	97	96	96	96	96														
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	93	92	92	92	92														
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	89	88	88	88	88														
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	85	84	84	84	84														
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	82	81	81	81	81														
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	79	77	77	77	77														
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	76	74	74	74	74														
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	73	72	72	72	72														
	9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	70	69	69	69	69														
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	68	67	67	67	67														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2112819
5°	2102551
10°	1987370
15°	1689509
20°	1151520
25°	480463
30°	151068
35°	70213
40°	38824
45°	17800
50°	8635
55°	4743
60°	2469
65°	879
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17800 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1790.0	21.6
10°-20°	4010.1	48.3
20°-30°	2007.3	24.2
30°-40°	368.0	4.4
40°-50°	101.5	1.2
50°-60°	23.8	0.3
60°-70°	4.6	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	7807.4	94.0
0°-40°	8175.4	98.4
0°-60°	8300.7	99.9
0°-90°	8305.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8305.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19337	
5°	19170	###
15°	14936	4010
25°	3985	2007
35°	526	368
45°	115	102
55°	25	24
65°	3	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	19337.4
2.5°	19309.1
5°	19170.2
7.5°	18727.3
10°	17912.9
12.5°	16643.1
15°	14936.2
17.5°	12716.5
20°	9903.6
22.5°	6751.9
25°	3985.4
27.5°	2106.8
30°	1197.4
32.5°	773.8
35°	526.4
37.5°	376.2
40°	272.2
42.5°	186.4
45°	115.2
47.5°	73.4
50°	50.8
52.5°	36.1
55°	24.9
57.5°	15.8
60°	11.3
62.5°	6.8
65°	3.4
67.5°	2.3
70°	1.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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