

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: P753192

Luminaire Tested: LD4D75BD010-EU4DR4070959035-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753192
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: LD4D75BD010-EU4DR4070959035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

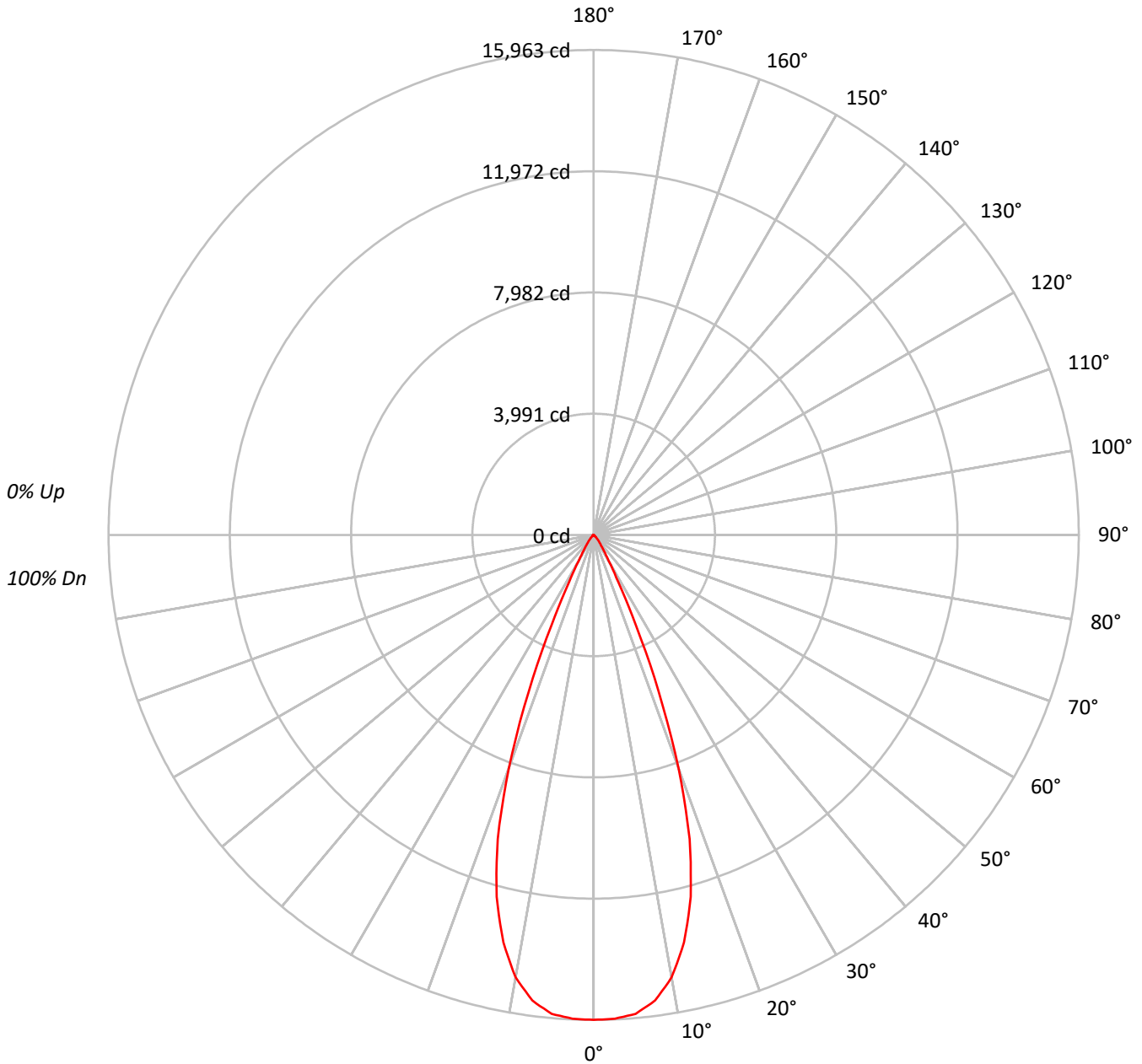
Lumens per Lamp: N/A
Luminaire Lumens: 6856.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96		
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88		
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84		
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81		
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77		
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74		
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72		
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69		
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1744086
5°	1735612
10°	1640529
15°	1394663
20°	950566
25°	396617
30°	124713
35°	57955
40°	32049
45°	14695
50°	7139
55°	3905
60°	2032
65°	724
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14695 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1477.6	21.6
10°-20°	3310.3	48.3
20°-30°	1657.0	24.2
30°-40°	303.7	4.4
40°-50°	83.8	1.2
50°-60°	19.7	0.3
60°-70°	3.8	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°	6444.9	94.0
0°-40°	6748.6	98.4
0°-60°	6852.1	99.9
0°-90°	6856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6856.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15963	
5°	15825	###
15°	12330	3310
25°	3290	1657
35°	434	304
45°	95	84
55°	20	20
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15962.6
2.5°	15939.3
5°	15824.6
7.5°	15459.0
10°	14786.7
12.5°	13738.6
15°	12329.6
17.5°	10497.2
20°	8175.3
22.5°	5573.6
25°	3289.9
27.5°	1739.1
30°	988.5
32.5°	638.8
35°	434.5
37.5°	310.5
40°	224.7
42.5°	153.9
45°	95.1
47.5°	60.6
50°	42.0
52.5°	29.8
55°	20.5
57.5°	13.1
60°	9.3
62.5°	5.6
65°	2.8
67.5°	1.9
70°	0.9
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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