

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: P756767

Luminaire Tested: LD4D95BD010-EU4DR7070959030-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756767
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-EU4DR7070959030-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7310.6 lumens
Efficiency: N/A
Efficacy: 73.7 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

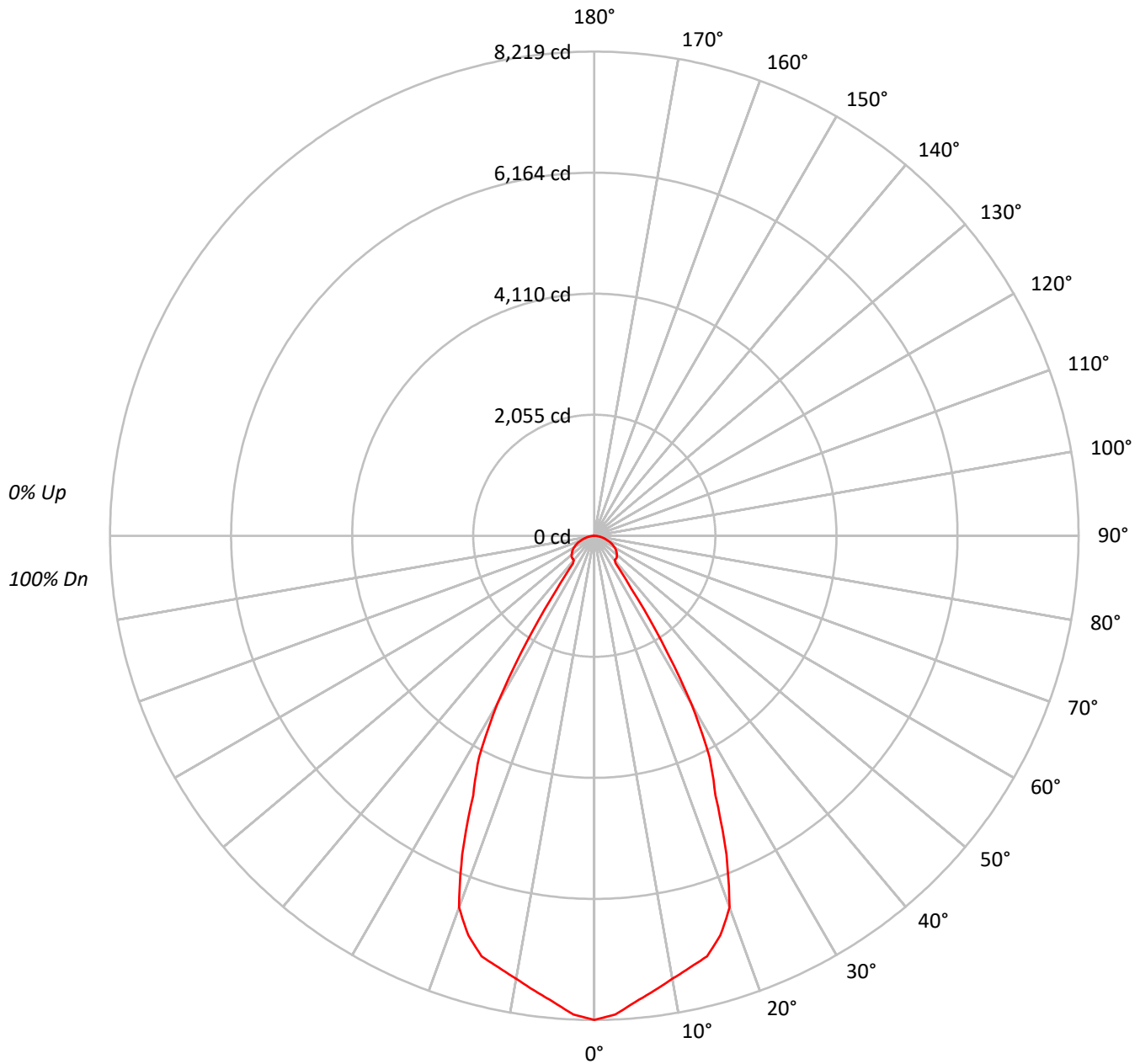
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	898036
5°	871349
10°	847064
15°	835954
20°	780610
25°	586432
30°	414560
35°	146841
40°	77220
45°	82235
50°	85160
55°	86768
60°	87299
65°	85445
70°	80663
75°	74721
80°	66318
85°	53781

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 87319 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	749.3	10.3
10°-20°	2055.4	28.1
20°-30°	2263.8	31.0
30°-40°	864.9	11.8
40°-50°	408.4	5.6
50°-60°	406.0	5.6
60°-70°	325.1	4.4
70°-80°	186.8	2.6
80°-90°	50.8	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°	5068.6	69.3
0°-40°	5933.5	81.2
0°-60°	6747.9	92.3
0°-90°	7310.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7310.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8219	
5°	7945	749
15°	7390	2055
25°	4864	2264
35°	1101	865
45°	532	408
55°	456	406
65°	330	325
75°	177	187
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8219.2
2.5°	8133.3
5°	7944.6
7.5°	7787.2
10°	7634.9
12.5°	7506.1
15°	7390.3
17.5°	7110.5
20°	6713.6
22.5°	5857.3
25°	4864.4
27.5°	4234.5
30°	3285.9
32.5°	2122.5
35°	1100.9
37.5°	594.7
40°	541.4
42.5°	537.4
45°	532.2
47.5°	520.5
50°	501.0
52.5°	478.9
55°	455.5
57.5°	429.4
60°	399.5
62.5°	365.7
65°	330.5
67.5°	291.5
70°	252.5
72.5°	213.4
75°	177.0
77.5°	139.2
80°	105.4
82.5°	74.2
85°	42.9
87.5°	16.9
90°	0.0



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— 0°-180°







(END OF REPORT)