

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: P756260

Luminaire Tested: LD4D95BD010-EU4DR3570959050-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR3570959050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8197.6 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

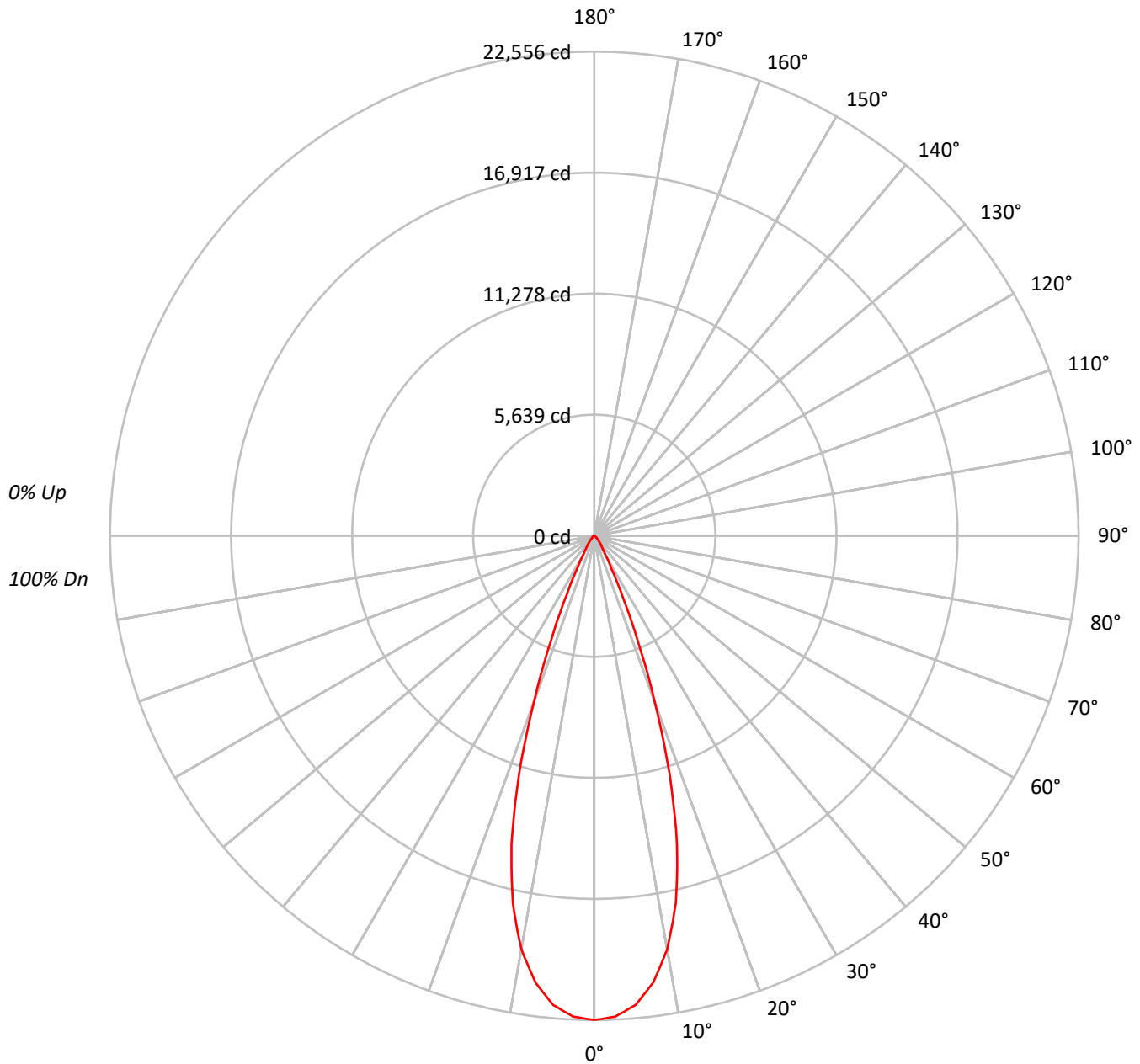
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P756260

CATALOG NUMBER: LD4D95BD010-EU4DR3570959050-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P756260

CATALOG NUMBER: LD4D95BD010-EU4DR3570959050-4LBSQW1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2464453
5°	2406546
10°	2168933
15°	1683435
20°	954821
25°	371469
30°	138578
35°	75961
40°	49649
45°	30224
50°	19242
55°	13582
60°	9943
65°	5403
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30224 cd/sqm

TEST NUMBER: P756260

CATALOG NUMBER: LD4D95BD010-EU4DR3570959050-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2018.0	24.6
10°-20°	3940.0	48.1
20°-30°	1606.9	19.6
30°-40°	384.5	4.7
40°-50°	160.3	2.0
50°-60°	66.3	0.8
60°-70°	20.8	0.3
70°-80°	0.5	0.0
80°-90°	0.3	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°	7564.9	92.3
0°-40°	7949.4	97.0
0°-60°	8176.0	99.7
0°-90°	8197.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8197.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22556	
5°	21942	###
15°	14882	3940
25°	3081	1607
35°	570	385
45°	196	160
55°	71	66
65°	21	21
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756260

CATALOG NUMBER: LD4D95BD010-EU4DR3570959050-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	22555.7
2.5°	22420.4
5°	21941.9
7.5°	20987.3
10°	19549.4
12.5°	17524.7
15°	14882.5
17.5°	11651.2
20°	8211.9
22.5°	5236.4
25°	3081.3
27.5°	1741.8
30°	1098.4
32.5°	771.2
35°	569.5
37.5°	440.4
40°	348.1
42.5°	268.2
45°	195.6
47.5°	146.4
50°	113.2
52.5°	89.8
55°	71.3
57.5°	57.8
60°	45.5
62.5°	33.2
65°	20.9
67.5°	7.4
70°	1.2
72.5°	1.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)