

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: P756256

Luminaire Tested: LD4D95BD010-EU4DR3570959050-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756256
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-EU4DR3570959050-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9429.7 lumens
Efficiency: N/A
Efficacy: 95.1 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

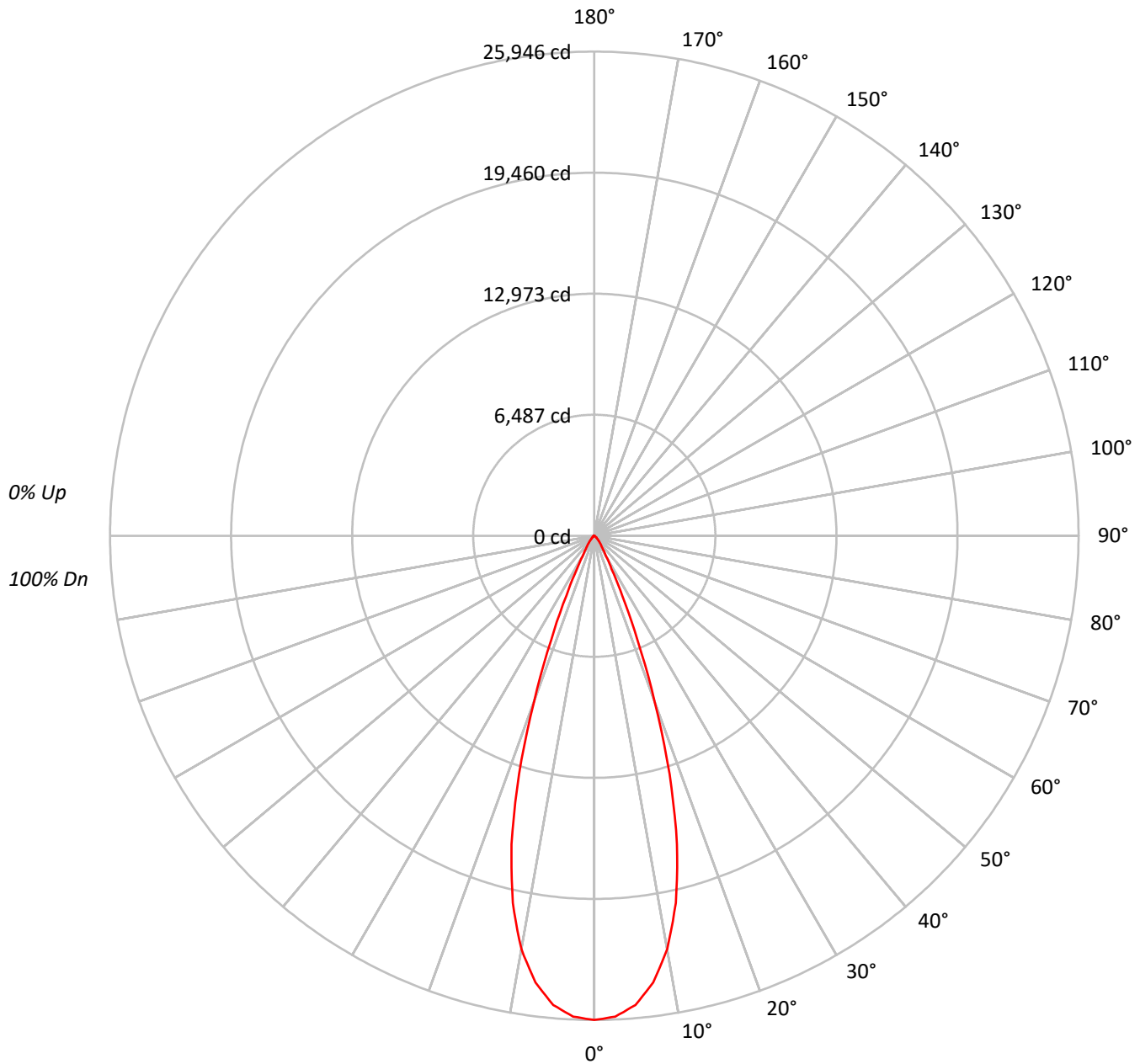


Downlight

TEST NUMBER: P756256

CATALOG NUMBER: LD4D95BD010-EU4DR3570959050-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P756256

CATALOG NUMBER: LD4D95BD010-EU4DR3570959050-4LBS1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	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
1	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	98
2	110	106	103	101		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		105	100	96	93		97	95	92		95	93	91		93	91	89
4	103	97	92	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	87	84		90	86	84		89	85	83		87	84	82
6	96	89	84	81		94	88	84	81		87	83	80		85	82	80		84	81	79
7	93	85	81	78		91	85	80	77		84	80	77		83	79	77		82	79	76
8	90	82	78	74		88	82	77	74		81	77	74		80	76	74		79	76	73
9	87	79	75	72		86	79	75	72		78	74	71		77	74	71		77	73	71
10	84	77	72	69		83	76	72	69		76	72	69		75	71	69		74	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2834825
5°	2768221
10°	2494904
15°	1936439
20°	1098325
25°	427298
30°	159408
35°	87379
40°	57109
45°	34767
50°	22131
55°	15639
60°	11451
65°	6231
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34767 cd/sqm



TEST NUMBER: P756256

CATALOG NUMBER: LD4D95BD010-EU4DR3570959050-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2321.3	24.6
10°-20°	4532.2	48.1
20°-30°	1848.4	19.6
30°-40°	442.3	4.7
40°-50°	184.4	2.0
50°-60°	76.3	0.8
60°-70°	23.9	0.3
70°-80°	0.5	0.0
80°-90°	0.4	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°	8701.8	92.3
0°-40°	9144.2	97.0
0°-60°	9404.8	99.7
0°-90°	9429.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9429.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25946	
5°	25240	###
15°	17119	4532
25°	3544	1848
35°	655	442
45°	225	184
55°	82	76
65°	24	24
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P756256

CATALOG NUMBER: LD4D95BD010-EU4DR3570959050-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	25945.5
2.5°	25789.9
5°	25239.5
7.5°	24141.5
10°	22487.5
12.5°	20158.5
15°	17119.2
17.5°	13402.2
20°	9446.1
22.5°	6023.3
25°	3544.4
27.5°	2003.5
30°	1263.5
32.5°	887.2
35°	655.1
37.5°	506.5
40°	400.4
42.5°	308.5
45°	225.0
47.5°	168.4
50°	130.2
52.5°	103.3
55°	82.1
57.5°	66.5
60°	52.4
62.5°	38.2
65°	24.1
67.5°	8.5
70°	1.4
72.5°	1.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)