

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: P756582

Luminaire Tested: LD4D95BD010-EU4DR6070959024-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959024-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8361.4 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

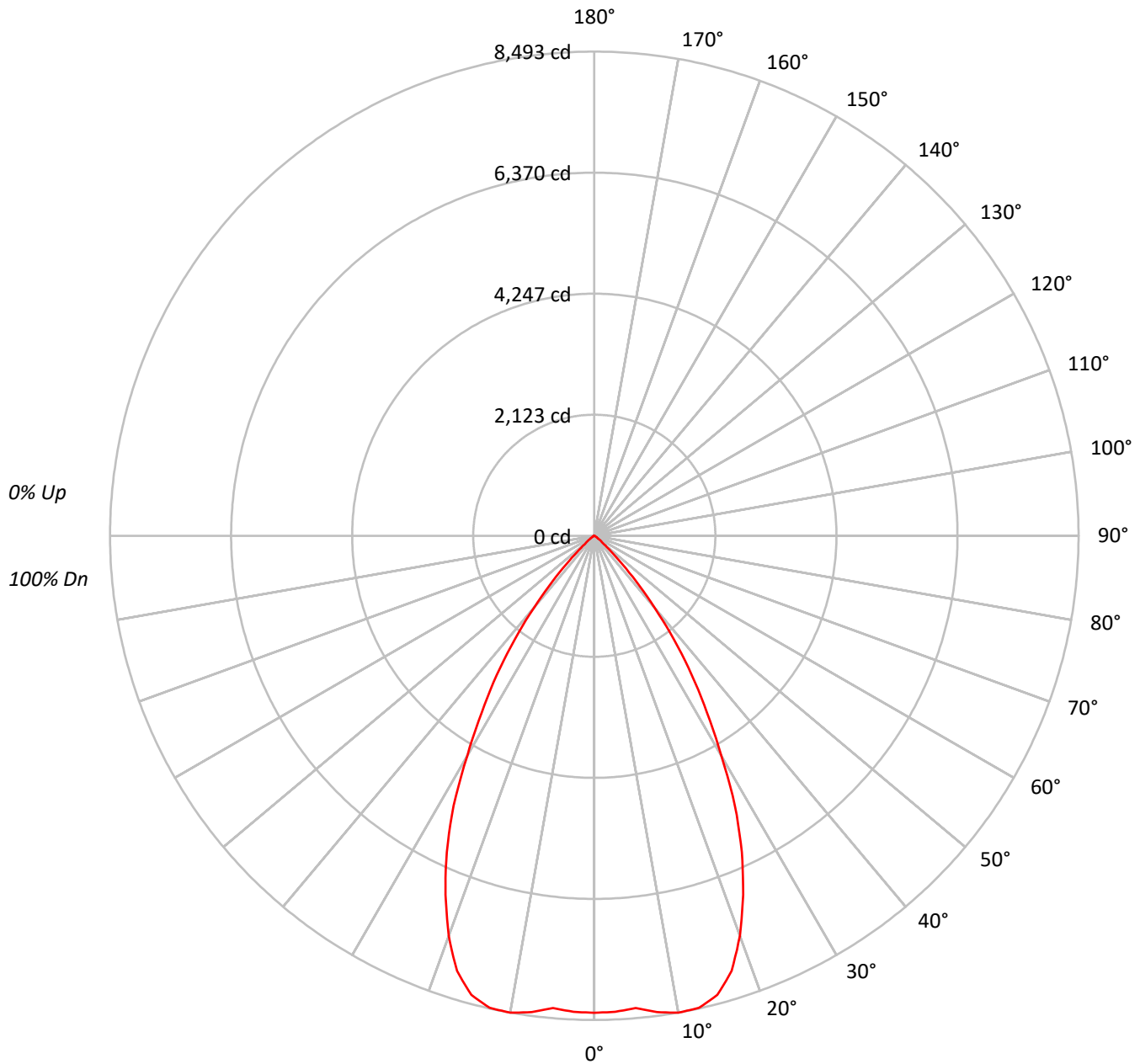


Downlight

TEST NUMBER: P756582

CATALOG NUMBER: LD4D95BD010-EU4DR6070959024-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P756582

CATALOG NUMBER: LD4D95BD010-EU4DR6070959024-4LBS1LI

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	114	111	108	106	111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96	106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87	100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80	95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74	91	83	77	73		81	76	73		79	75	72		78	74	71
6	87	79	73	68	86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	63	82	73	67	63		72	67	63		71	66	63		69	65	62
8	79	69	63	59	78	69	63	59		68	63	59		67	62	59		66	61	58
9	75	65	59	55	74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52	71	61	56	52		61	55	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	914239
5°	912006
10°	942300
15°	943266
20°	867907
25°	738212
30°	562500
35°	397774
40°	233585
45°	94256
50°	31463
55°	15144
60°	6228
65°	931
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94256 cd/sqm



TEST NUMBER: P756582

CATALOG NUMBER: LD4D95BD010-EU4DR6070959024-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.1	9.6
10°-20°	2310.2	27.6
20°-30°	2765.0	33.1
30°-40°	1849.4	22.1
40°-50°	548.3	6.6
50°-60°	78.8	0.9
60°-70°	7.5	0.1
70°-80°	0.0	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°	5877.4	70.3
0°-40°	7726.7	92.4
0°-60°	8353.9	99.9
0°-90°	8361.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8361.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8368	
5°	8315	802
15°	8339	2310
25°	6123	2765
35°	2982	1849
45°	610	548
55°	80	79
65°	4	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756582

CATALOG NUMBER: LD4D95BD010-EU4DR6070959024-4LBS1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	8367.5
2.5°	8356.8
5°	8315.3
7.5°	8428.0
10°	8493.3
12.5°	8481.4
15°	8339.0
17.5°	8003.2
20°	7464.4
22.5°	6817.7
25°	6123.4
27.5°	5341.4
30°	4458.5
32.5°	3670.5
35°	2982.2
37.5°	2292.7
40°	1637.7
42.5°	1079.9
45°	610.0
47.5°	312.1
50°	185.1
52.5°	119.9
55°	79.5
57.5°	51.0
60°	28.5
62.5°	11.9
65°	3.6
67.5°	1.2
70°	0.0
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)