

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: P756685

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959030-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8120.1 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

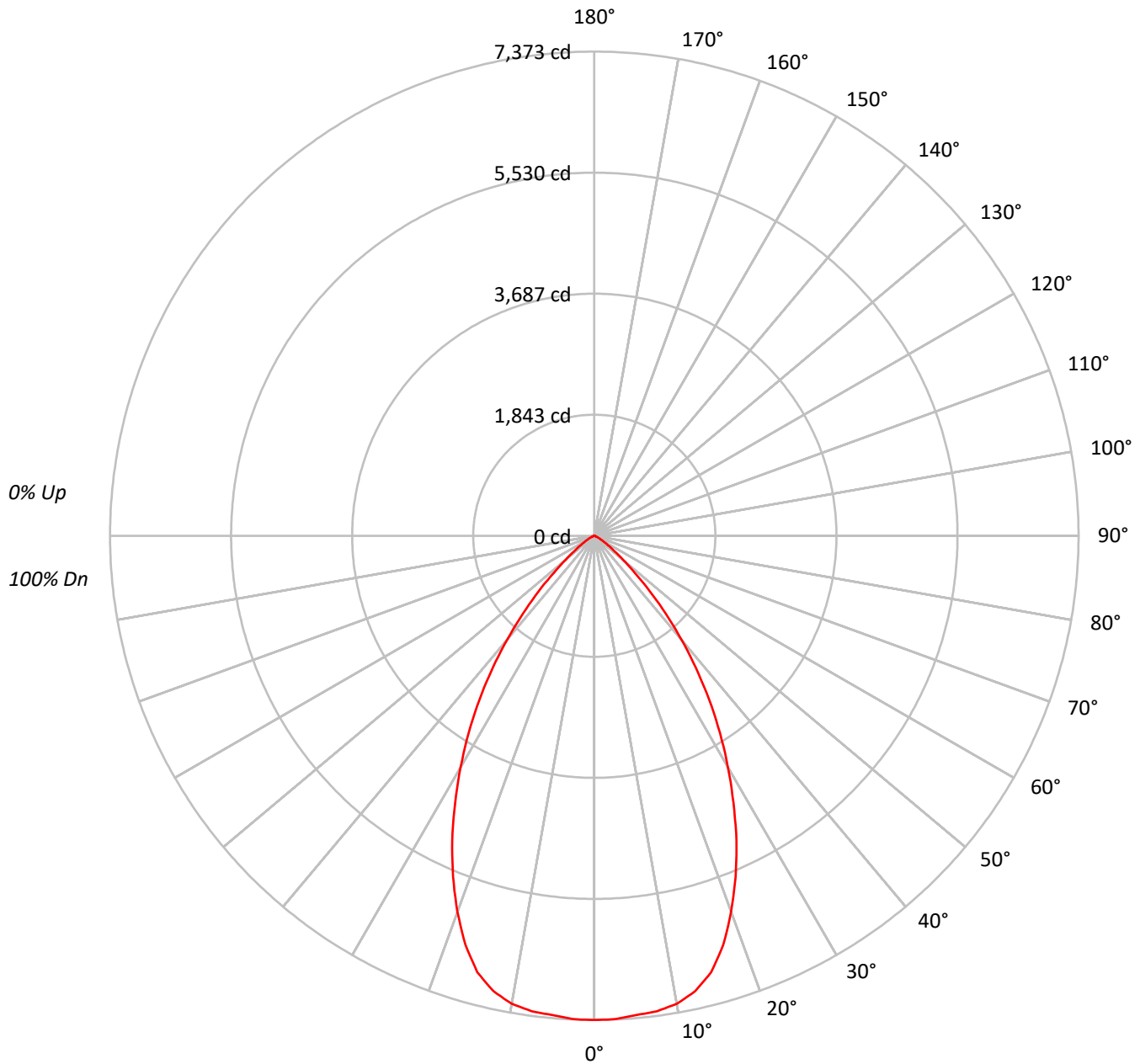


Downlight

TEST NUMBER: P756685

CATALOG NUMBER: LD4D95BD010-EU4DR6570959030-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P756685

CATALOG NUMBER: LD4D95BD010-EU4DR6570959030-4LBS1H

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	430600
5°	429513
10°	429148
15°	415921
20°	378643
25°	329960
30°	274436
35°	217452
40°	156942
45°	99156
50°	51681
55°	27472
60°	14426
65°	7932
70°	3330
75°	3678
80°	2556
85°	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 99156 cd/sqm



TEST NUMBER: P756685

CATALOG NUMBER: LD4D95BD010-EU4DR6570959030-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.2	8.6
10°-20°	1909.3	23.5
20°-30°	2333.8	28.7
30°-40°	1893.6	23.3
40°-50°	943.6	11.6
50°-60°	263.2	3.2
60°-70°	59.8	0.7
70°-80°	15.6	0.2
80°-90°	4.0	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°	4940.3	60.8
0°-40°	6833.9	84.2
0°-60°	8040.7	99.0
0°-90°	8120.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8120.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7373	
5°	7326	697
15°	6879	1909
25°	5120	2334
35°	3050	1894
45°	1200	944
55°	270	263
65°	57	60
75°	16	16
85°	3	4
90°	0	



TEST NUMBER: P756685

CATALOG NUMBER: LD4D95BD010-EU4DR6570959030-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	7372.8
2.5°	7367.4
5°	7326.2
7.5°	7302.4
10°	7236.3
12.5°	7101.9
15°	6878.8
17.5°	6529.9
20°	6092.2
22.5°	5619.8
25°	5120.3
27.5°	4586.2
30°	4069.4
32.5°	3559.1
35°	3049.9
37.5°	2541.8
40°	2058.5
42.5°	1605.7
45°	1200.5
47.5°	836.4
50°	568.8
52.5°	392.2
55°	269.8
57.5°	182.0
60°	123.5
62.5°	85.6
65°	57.4
67.5°	29.3
70°	19.5
72.5°	18.4
75°	16.3
77.5°	10.8
80°	7.6
82.5°	5.4
85°	3.3
87.5°	2.2
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)