

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: P756173

Luminaire Tested: LD4D95BD010-EU4DR3070959050-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR3070959050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7373.5 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

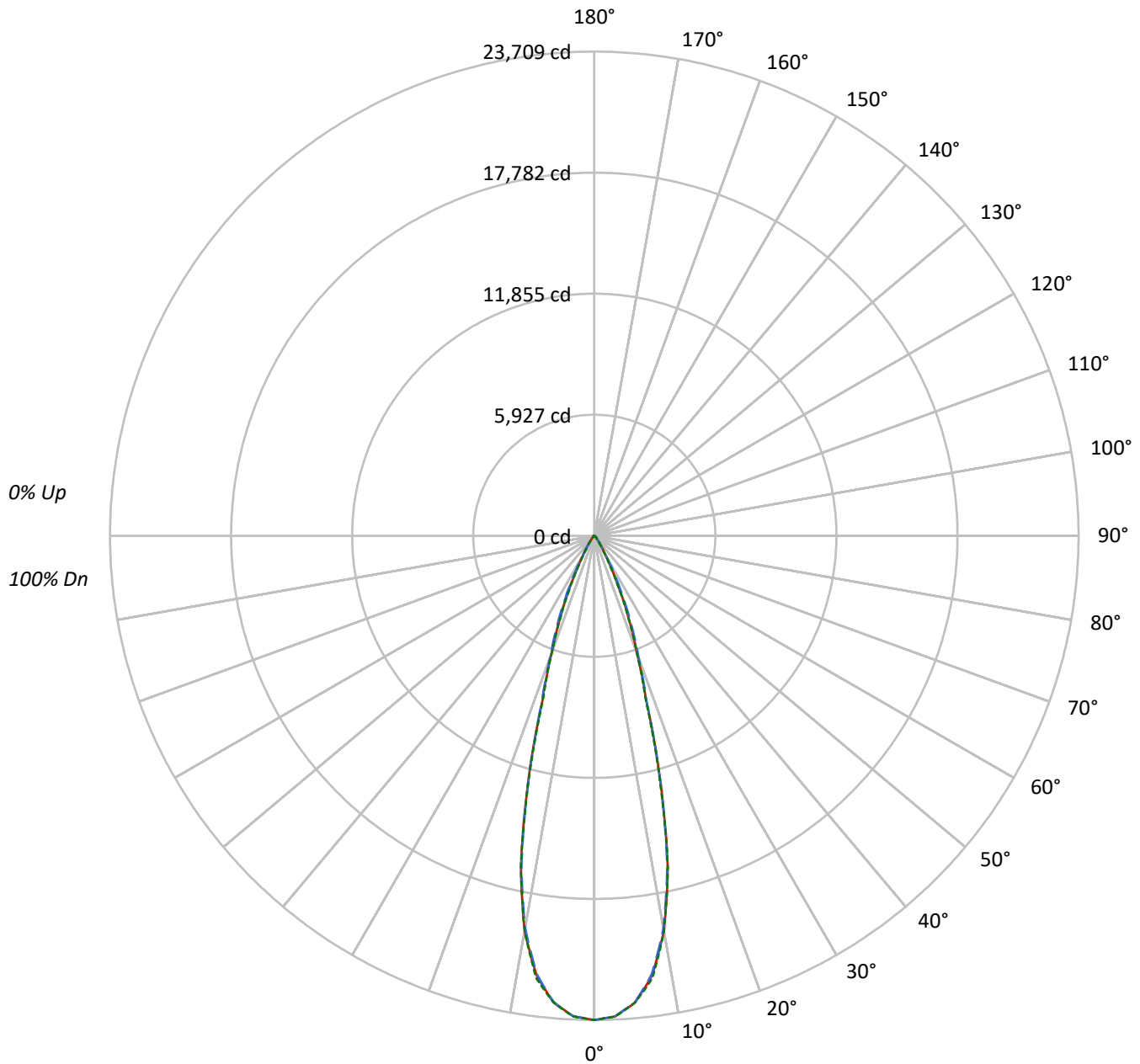


Downlight

TEST NUMBER: P756173

CATALOG NUMBER: LD4D95BD010-EU4DR3070959050-4LBDP1B

Luminous Intensity Polar Plot



TEST NUMBER: P756173

CATALOG NUMBER: LD4D95BD010-EU4DR3070959050-4LBDP1B

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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1814798	1814798	1814798
5°	1762705	1760646	1762789
10°	1526768	1516003	1526402
15°	996139	990790	985806
20°	495333	513921	494673
25°	249518	281366	244400
30°	99901	108855	87041
35°	46338	44376	37199
40°	20004	22212	18845
45°	14116	17515	14235
50°	4847	12754	5132
55°	2802	5285	2949
60°	1960	2312	1960
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 17515 cd/sqm

TEST NUMBER: P756173

CATALOG NUMBER: LD4D95BD010-EU4DR3070959050-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2084.9	28.3
10°-20°	3357.7	45.5
20°-30°	1451.0	19.7
30°-40°	330.7	4.5
40°-50°	113.6	1.5
50°-60°	27.7	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6893.6	93.5
0°-40°	7224.3	98.0
0°-60°	7365.6	99.9
0°-90°	7373.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7373.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23709	23709	23709	23709	23709	
5°	22941	22919	22914	22962	22942	2087
15°	12571	12419	12503	12462	12440	3366
25°	2954	3066	3332	2988	2894	1414
35°	496	506	475	471	398	336
45°	130	162	162	162	132	93
55°	21	22	40	23	22	20
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P756173

CATALOG NUMBER: LD4D95BD010-EU4DR3070959050-4LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23709.4	23709.4	23709.4	23709.4	23709.4
2.5°	23552.3	23536.0	23545.3	23556.9	23561.6
5°	22941.2	22919.0	22914.4	22962.1	22942.3
7.5°	21708.4	21677.0	21629.3	21737.5	21838.8
10°	19643.4	19608.5	19504.9	19556.1	19638.7
12.5°	16594.7	16481.8	16479.5	16642.5	16620.3
15°	12570.6	12419.3	12503.1	12462.4	12440.2
17.5°	8453.4	8395.1	8506.9	8473.1	8327.6
20°	6081.0	6096.1	6309.2	6202.1	6072.9
22.5°	4437.4	4492.1	4744.7	4468.8	4367.5
25°	2954.4	3066.1	3331.5	2988.1	2893.8
27.5°	1817.1	1868.3	2137.2	1793.8	1742.6
30°	1130.3	1104.7	1231.6	1057.0	984.8
32.5°	741.5	708.9	749.7	672.8	614.6
35°	495.9	506.4	474.9	471.4	398.1
37.5°	309.6	356.2	314.3	335.2	256.1
40°	200.2	258.4	222.3	245.6	188.6
42.5°	164.1	199.1	182.8	194.4	167.6
45°	130.4	161.8	161.8	161.8	131.5
47.5°	72.2	108.3	138.5	110.6	76.8
50°	40.7	54.7	107.1	57.0	43.1
52.5°	27.9	31.4	73.3	32.6	29.1
55°	21.0	22.1	39.6	23.3	22.1
57.5°	16.3	17.5	21.0	17.5	16.3
60°	12.8	12.8	15.1	14.0	12.8
62.5°	9.3	9.3	10.5	9.3	9.3
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)