

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: P756148

Luminaire Tested: LD4D95BD010-EU4DR3070959035-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756148
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-EU4DR3070959035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8687.5 lumens
Efficiency: N/A
Efficacy: 87.6 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

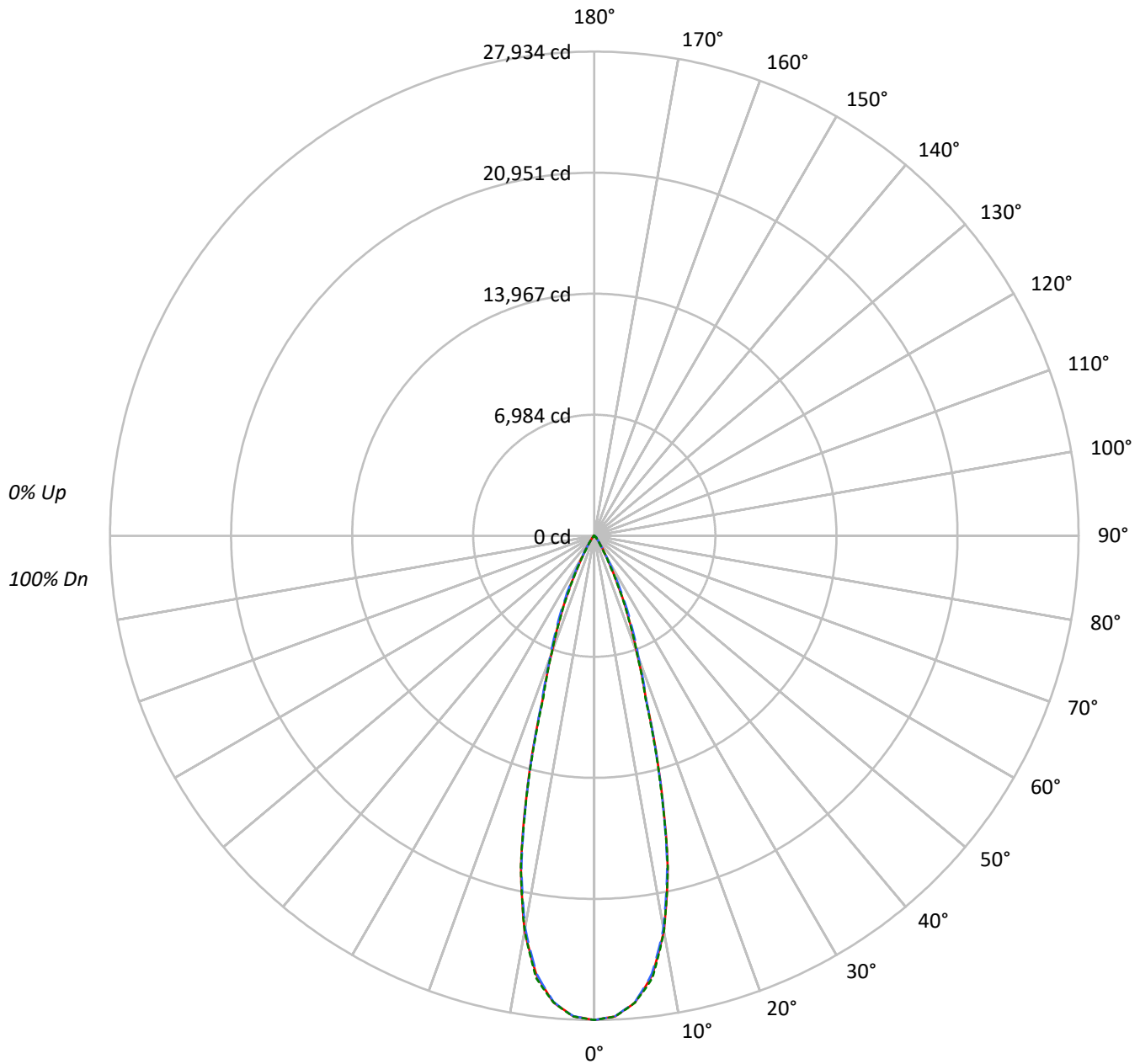


Downlight

TEST NUMBER: P756148

CATALOG NUMBER: LD4D95BD010-EU4DR3070959035-4LBDP1H

Luminous Intensity Polar Plot



TEST NUMBER: P756148

CATALOG NUMBER: LD4D95BD010-EU4DR3070959035-4LBDP1H

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°	2138201	2138201	2138201
5°	2076817	2074389	2076917
10°	1798841	1786149	1798414
15°	1173653	1167345	1161481
20°	583606	605502	582824
25°	293975	331508	287954
30°	117702	128246	102553
35°	54598	52290	43824
40°	23571	26179	22202
45°	16627	20632	16779
50°	5716	15028	6037
55°	3296	6219	3483
60°	2312	2725	2312
65°	1485	1485	1485
70°	918	604	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20632 cd/sqm

TEST NUMBER: P756148

CATALOG NUMBER: LD4D95BD010-EU4DR3070959035-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2456.4	28.3
10°-20°	3956.1	45.5
20°-30°	1709.5	19.7
30°-40°	389.6	4.5
40°-50°	133.8	1.5
50°-60°	32.7	0.4
60°-70°	8.5	0.1
70°-80°	0.9	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°	8122.0	93.5
0°-40°	8511.6	98.0
0°-60°	8678.1	99.9
0°-90°	8687.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8687.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27934	27934	27934	27934	27934	
5°	27029	27003	26998	27054	27031	2458
15°	14811	14632	14731	14683	14657	3966
25°	3481	3612	3925	3521	3410	1666
35°	584	597	560	556	469	396
45°	154	191	191	191	155	109
55°	25	26	47	27	26	24
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P756148

CATALOG NUMBER: LD4D95BD010-EU4DR3070959035-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27934.5	27934.5	27934.5	27934.5	27934.5
2.5°	27749.3	27730.1	27741.1	27754.8	27760.3
5°	27029.3	27003.2	26997.7	27054.0	27030.6
7.5°	25576.9	25539.8	25483.6	25611.2	25730.5
10°	23143.9	23102.7	22980.6	23041.0	23138.4
12.5°	19551.9	19418.9	19416.1	19608.2	19582.1
15°	14810.7	14632.4	14731.1	14683.1	14657.1
17.5°	9959.7	9891.2	10022.8	9983.1	9811.6
20°	7164.7	7182.5	7433.5	7307.3	7155.1
22.5°	5228.1	5292.6	5590.2	5265.1	5145.8
25°	3480.8	3612.5	3925.2	3520.6	3409.5
27.5°	2140.9	2201.2	2518.1	2113.5	2053.1
30°	1331.7	1301.5	1451.0	1245.3	1160.3
32.5°	873.6	835.2	883.2	792.7	724.1
35°	584.3	596.6	559.6	555.5	469.0
37.5°	364.8	419.7	370.3	395.0	301.7
40°	235.9	304.5	262.0	289.4	222.2
42.5°	193.4	234.5	215.3	229.0	197.5
45°	153.6	190.6	190.6	190.6	155.0
47.5°	85.0	127.5	163.2	130.3	90.5
50°	48.0	64.5	126.2	67.2	50.7
52.5°	32.9	37.0	86.4	38.4	34.3
55°	24.7	26.1	46.6	27.4	26.1
57.5°	19.2	20.6	24.7	20.6	19.2
60°	15.1	15.1	17.8	16.5	15.1
62.5°	11.0	11.0	12.3	11.0	11.0
65°	8.2	8.2	8.2	8.2	8.2
67.5°	4.1	5.5	5.5	5.5	5.5
70°	4.1	2.7	2.7	2.7	4.1
72.5°	2.7	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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)