

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: P756644

Luminaire Tested: LD4D95BD010-EU4DR6070959050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8517.5 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

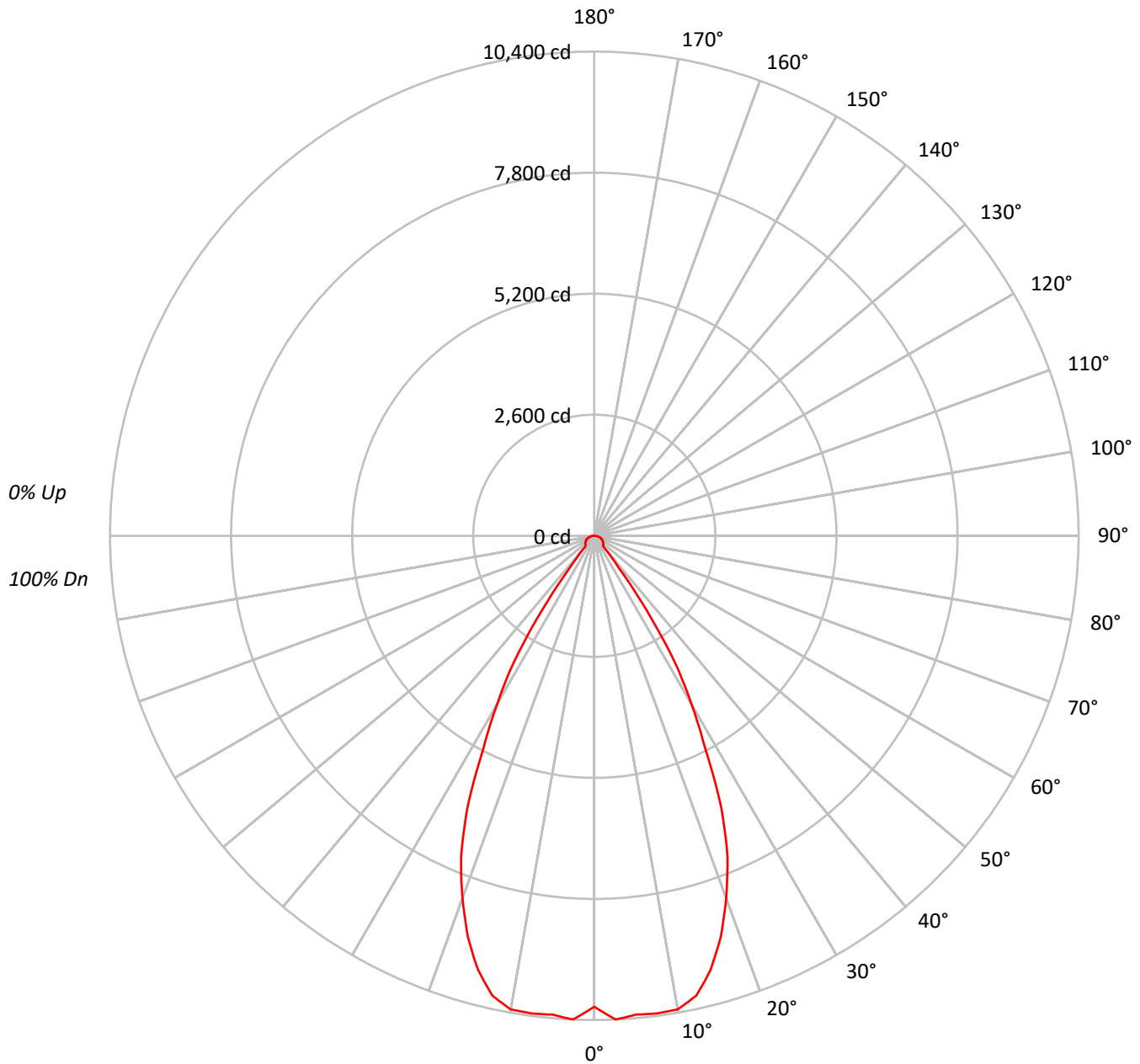


Downlight

TEST NUMBER: P756644

CATALOG NUMBER: LD4D95BD010-EU4DR6070959050-4LBDP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P756644

CATALOG NUMBER: LD4D95BD010-EU4DR6070959050-4LBDP1MW

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	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1105238
5°	1132427
10°	1146097
15°	1091809
20°	962646
25°	778610
30°	526669
35°	263911
40°	42817
45°	41905
50°	42733
55°	43375
60°	44600
65°	45605
70°	46673
75°	47239
80°	45555
85°	37985

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 47239 cd/sqm



TEST NUMBER: P756644

CATALOG NUMBER: LD4D95BD010-EU4DR6070959050-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	986.8	11.6
10°-20°	2669.9	31.3
20°-30°	2872.6	33.7
30°-40°	1248.6	14.7
40°-50°	209.7	2.5
50°-60°	203.9	2.4
60°-70°	174.4	2.0
70°-80°	116.7	1.4
80°-90°	34.9	0.4
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°	6529.2	76.7
0°-40°	7777.9	91.3
0°-60°	8191.5	96.2
0°-90°	8517.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8517.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10116	
5°	10325	987
15°	9652	2670
25°	6458	2873
35°	1979	1249
45°	271	210
55°	228	204
65°	176	174
75°	112	117
85°	30	35
90°	0	



TEST NUMBER: P756644

CATALOG NUMBER: LD4D95BD010-EU4DR6070959050-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	10115.6
2.5°	10400.0
5°	10325.0
7.5°	10348.6
10°	10330.2
12.5°	10117.0
15°	9652.2
17.5°	9028.2
20°	8279.2
22.5°	7477.5
25°	6458.5
27.5°	5165.8
30°	4174.5
32.5°	3217.4
35°	1978.6
37.5°	846.5
40°	300.2
42.5°	276.5
45°	271.2
47.5°	262.0
50°	251.4
52.5°	239.6
55°	227.7
57.5°	215.9
60°	204.1
62.5°	190.9
65°	176.4
67.5°	161.9
70°	146.1
72.5°	129.0
75°	111.9
77.5°	92.2
80°	72.4
82.5°	51.3
85°	30.3
87.5°	10.5
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)