

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: P756605

Luminaire Tested: LD4D95BD010-EU4DR6070959030-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756605
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-EU4DR6070959030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7995.2 lumens
Efficiency: N/A
Efficacy: 80.6 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

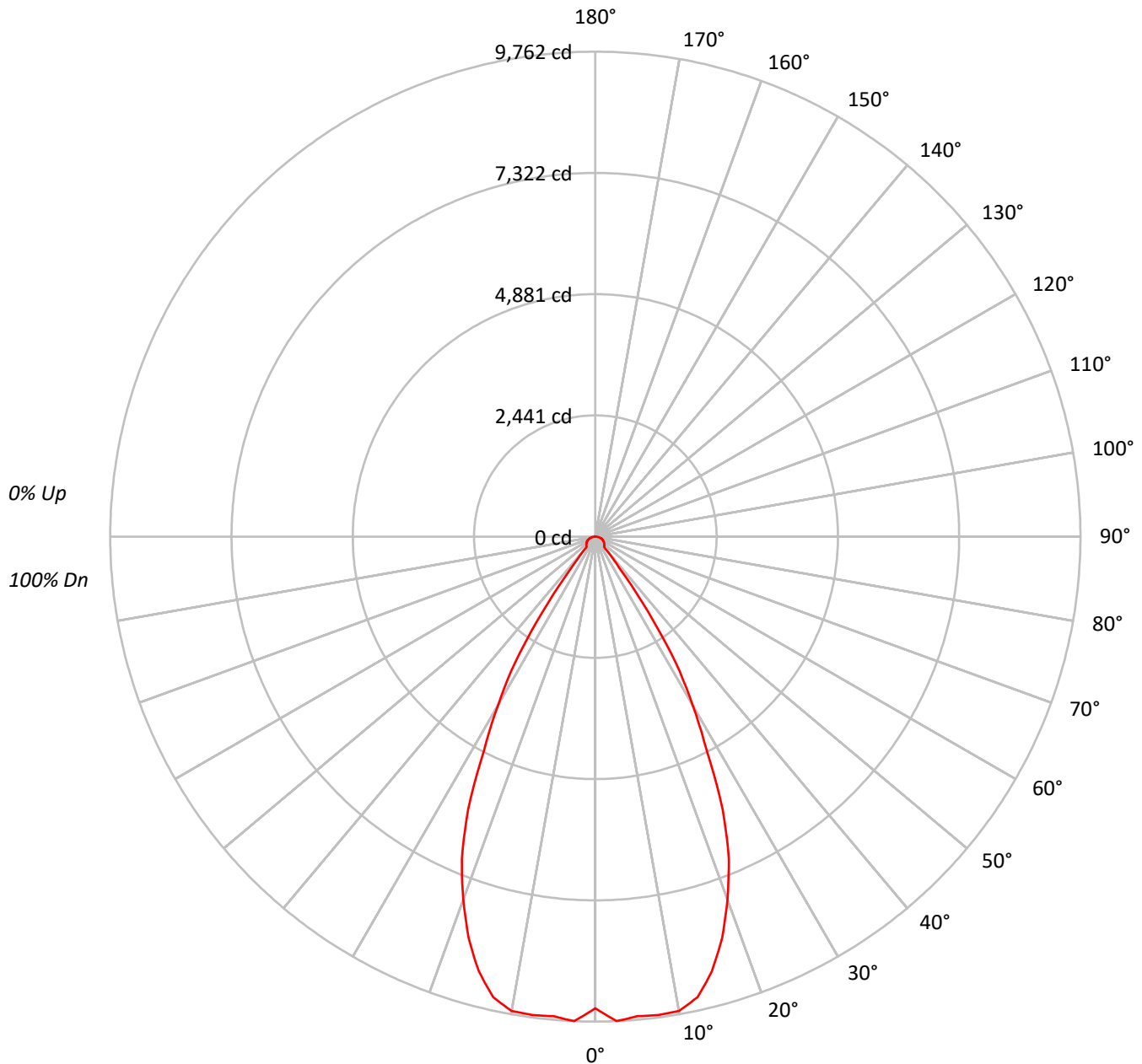


Downlight

TEST NUMBER: P756605

CATALOG NUMBER: LD4D95BD010-EU4DR6070959030-4LBDP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P756605

CATALOG NUMBER: LD4D95BD010-EU4DR6070959030-4LBDP1MW

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°	1037464
5°	1062978
10°	1075813
15°	1024856
20°	903603
25°	730858
30°	494371
35°	247732
40°	40179
45°	39340
50°	40115
55°	40727
60°	41847
65°	42813
70°	43830
75°	44326
80°	42786
85°	35603

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 44326 cd/sqm



TEST NUMBER: P756605

CATALOG NUMBER: LD4D95BD010-EU4DR6070959030-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	926.3	11.6
10°-20°	2506.1	31.3
20°-30°	2696.4	33.7
30°-40°	1172.1	14.7
40°-50°	196.9	2.5
50°-60°	191.4	2.4
60°-70°	163.7	2.0
70°-80°	109.5	1.4
80°-90°	32.8	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°	6128.8	76.7
0°-40°	7300.9	91.3
0°-60°	7689.2	96.2
0°-90°	7995.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7995.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9495	
5°	9692	926
15°	9060	2506
25°	6062	2696
35°	1857	1172
45°	255	197
55°	214	191
65°	166	164
75°	105	110
85°	28	33
90°	0	



TEST NUMBER: P756605

CATALOG NUMBER: LD4D95BD010-EU4DR6070959030-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9495.3
2.5°	9762.2
5°	9691.8
7.5°	9714.0
10°	9696.7
12.5°	9496.5
15°	9060.3
17.5°	8474.6
20°	7771.4
22.5°	7018.9
25°	6062.4
27.5°	4849.0
30°	3918.5
32.5°	3020.1
35°	1857.3
37.5°	794.6
40°	281.7
42.5°	259.5
45°	254.6
47.5°	245.9
50°	236.0
52.5°	224.9
55°	213.8
57.5°	202.7
60°	191.5
62.5°	179.2
65°	165.6
67.5°	152.0
70°	137.2
72.5°	121.1
75°	105.0
77.5°	86.5
80°	68.0
82.5°	48.2
85°	28.4
87.5°	9.9
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)