

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: P756593

Luminaire Tested: LD4D95BD010-EU4DR6070959027-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959027-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8452.8 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

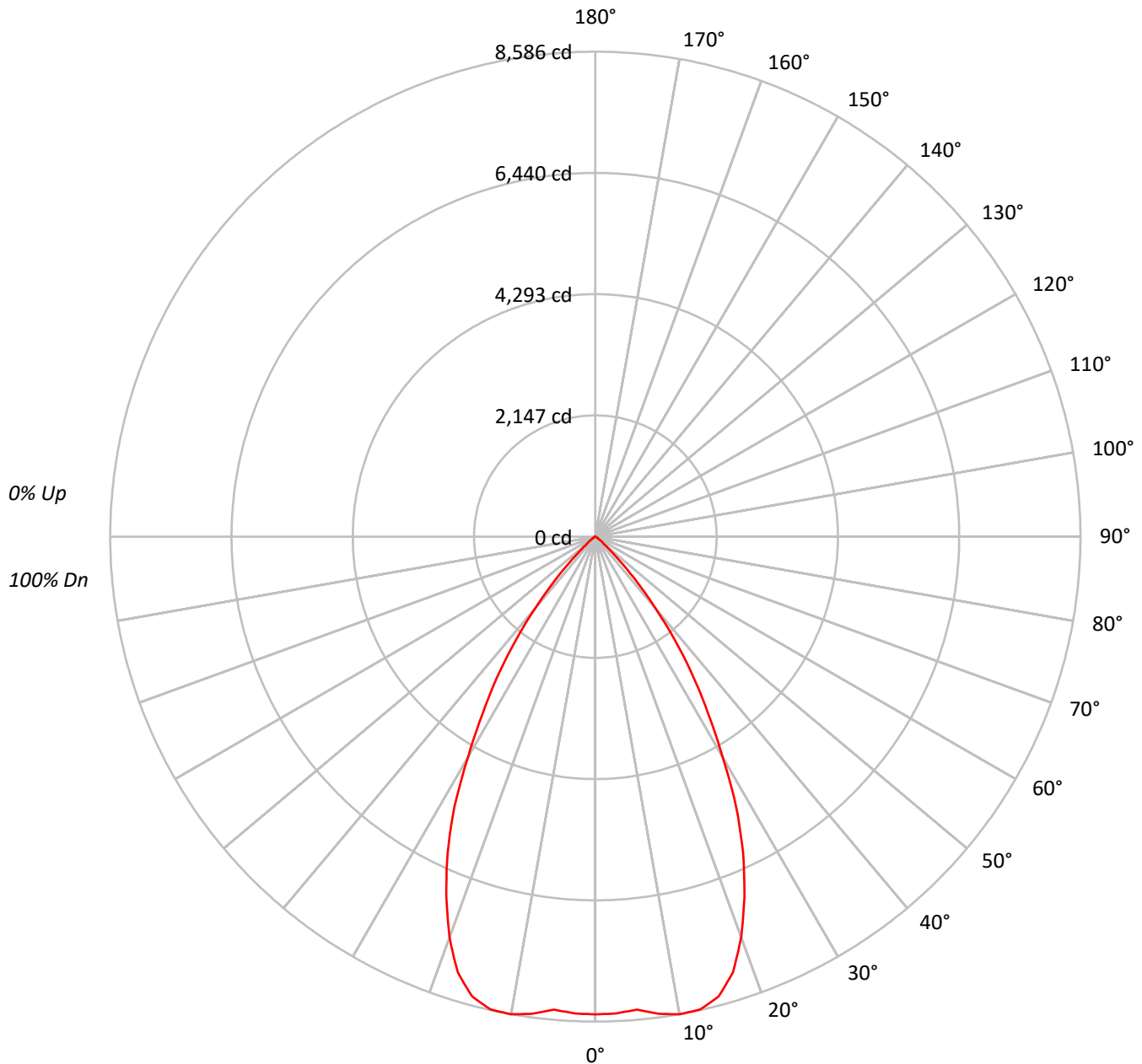


Downlight

TEST NUMBER: P756593

CATALOG NUMBER: LD4D95BD010-EU4DR6070959027-4LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P756593

CATALOG NUMBER: LD4D95BD010-EU4DR6070959027-4LBS1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	114	111	108	106	111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96	106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87	100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80	95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74	91	83	77	73		81	76	73		79	75	72		78	74	71
6	87	79	73	68	86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	63	82	73	67	63		72	67	63		71	66	63		69	65	62
8	79	69	63	59	78	69	63	59		68	63	59		67	62	59		66	61	58
9	75	65	59	55	74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52	71	61	56	52		61	55	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	924237
5°	921976
10°	952596
15°	953583
20°	877395
25°	746289
30°	568644
35°	402122
40°	236138
45°	95276
50°	31820
55°	15315
60°	6293
65°	931
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 95276 cd/sqm



TEST NUMBER: P756593

CATALOG NUMBER: LD4D95BD010-EU4DR6070959027-4LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	810.9	9.6
10°-20°	2335.4	27.6
20°-30°	2795.2	33.1
30°-40°	1869.6	22.1
40°-50°	554.3	6.6
50°-60°	79.7	0.9
60°-70°	7.6	0.1
70°-80°	0.0	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°	5941.6	70.3
0°-40°	7811.2	92.4
0°-60°	8445.2	99.9
0°-90°	8452.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8452.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8459	
5°	8406	811
15°	8430	2335
25°	6190	2795
35°	3015	1870
45°	617	554
55°	80	80
65°	4	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756593

CATALOG NUMBER: LD4D95BD010-EU4DR6070959027-4LBS1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	8459.0
2.5°	8448.2
5°	8406.2
7.5°	8520.2
10°	8586.1
12.5°	8574.1
15°	8430.2
17.5°	8090.7
20°	7546.0
22.5°	6892.2
25°	6190.4
27.5°	5399.8
30°	4507.2
32.5°	3710.6
35°	3014.8
37.5°	2317.8
40°	1655.6
42.5°	1091.7
45°	616.6
47.5°	315.5
50°	187.2
52.5°	121.2
55°	80.4
57.5°	51.6
60°	28.8
62.5°	12.0
65°	3.6
67.5°	1.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)