

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: P756747

Luminaire Tested: LD4D95BD010-EU4DR7070959027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9057.0 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (A_{in}): 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

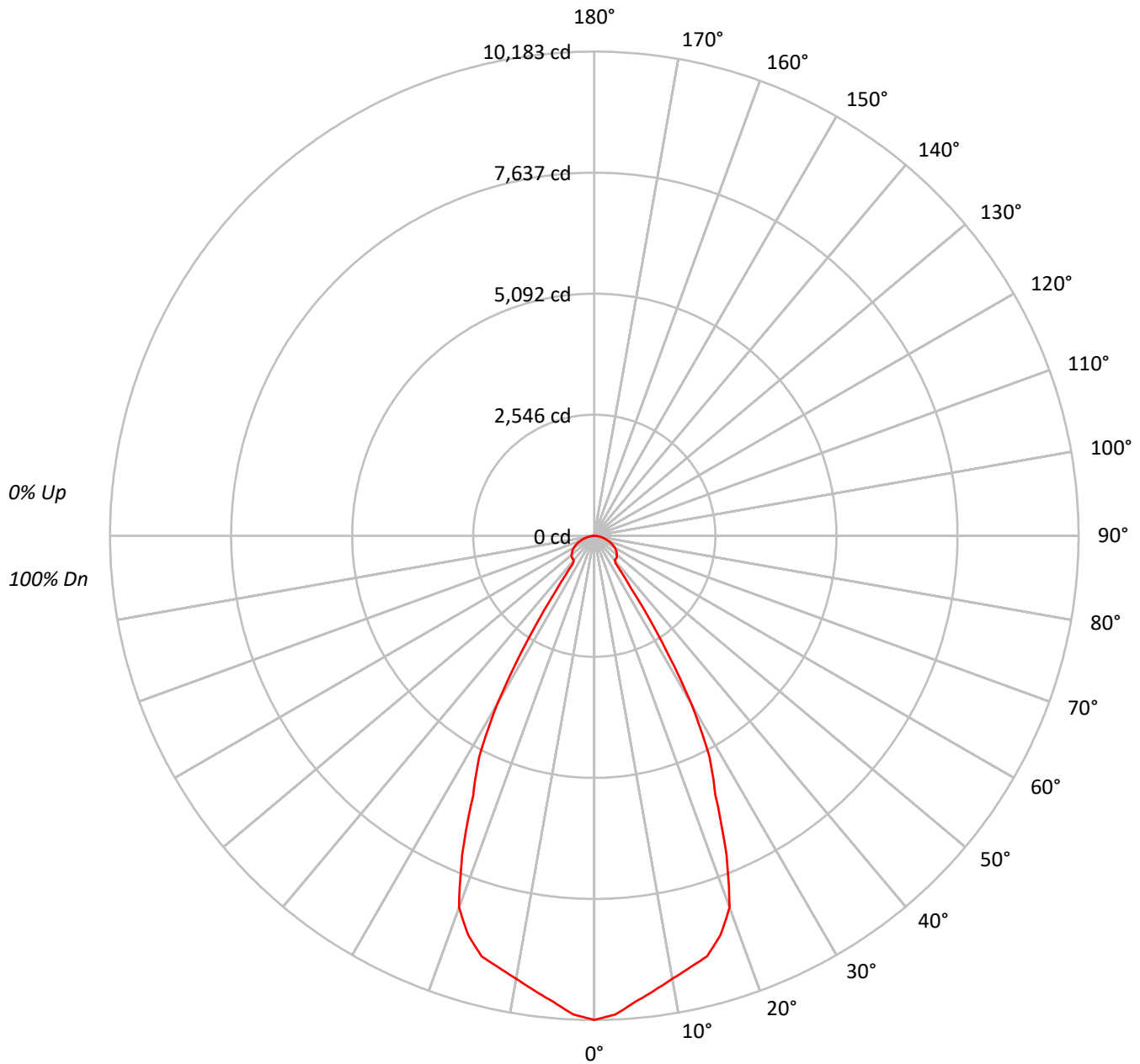


Downlight

TEST NUMBER: P756747

CATALOG NUMBER: LD4D95BD010-EU4DR7070959027-4LBDP1LI

Luminous Intensity Polar Plot



TEST NUMBER: P756747

CATALOG NUMBER: LD4D95BD010-EU4DR7070959027-4LBDP1LI

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1112569
5°	1079507
10°	1049419
15°	1035648
20°	967088
25°	726518
30°	513586
35°	181921
40°	95662
45°	101889
50°	105506
55°	107494
60°	108146
65°	105869
70°	99926
75°	92578
80°	82175
85°	66693

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 108183 cd/sqm



TEST NUMBER: P756747

CATALOG NUMBER: LD4D95BD010-EU4DR7070959027-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	928.4	10.3
10°-20°	2546.5	28.1
20°-30°	2804.6	31.0
30°-40°	1071.5	11.8
40°-50°	506.0	5.6
50°-60°	503.0	5.6
60°-70°	402.7	4.4
70°-80°	231.5	2.6
80°-90°	62.9	0.7
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°	6279.4	69.3
0°-40°	7350.9	81.2
0°-60°	8359.9	92.3
0°-90°	9057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9057.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10183	
5°	9842	928
15°	9156	2546
25°	6026	2805
35°	1364	1072
45°	659	506
55°	564	503
65°	410	403
75°	219	231
85°	53	63
90°	0	



TEST NUMBER: P756747

CATALOG NUMBER: LD4D95BD010-EU4DR7070959027-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	10182.7
2.5°	10076.3
5°	9842.5
7.5°	9647.4
10°	9458.8
12.5°	9299.2
15°	9155.7
17.5°	8809.1
20°	8317.4
22.5°	7256.5
25°	6026.4
27.5°	5246.1
30°	4070.8
32.5°	2629.5
35°	1363.9
37.5°	736.8
40°	670.7
42.5°	665.8
45°	659.4
47.5°	644.9
50°	620.7
52.5°	593.3
55°	564.3
57.5°	532.0
60°	494.9
62.5°	453.0
65°	409.5
67.5°	361.1
70°	312.8
72.5°	264.4
75°	219.3
77.5°	172.5
80°	130.6
82.5°	91.9
85°	53.2
87.5°	21.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)