

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: P754095

Luminaire Tested: LD4D80BD010-EU4DR5070959027-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P754095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D80BD010-EU4DR5070959027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8046.4 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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

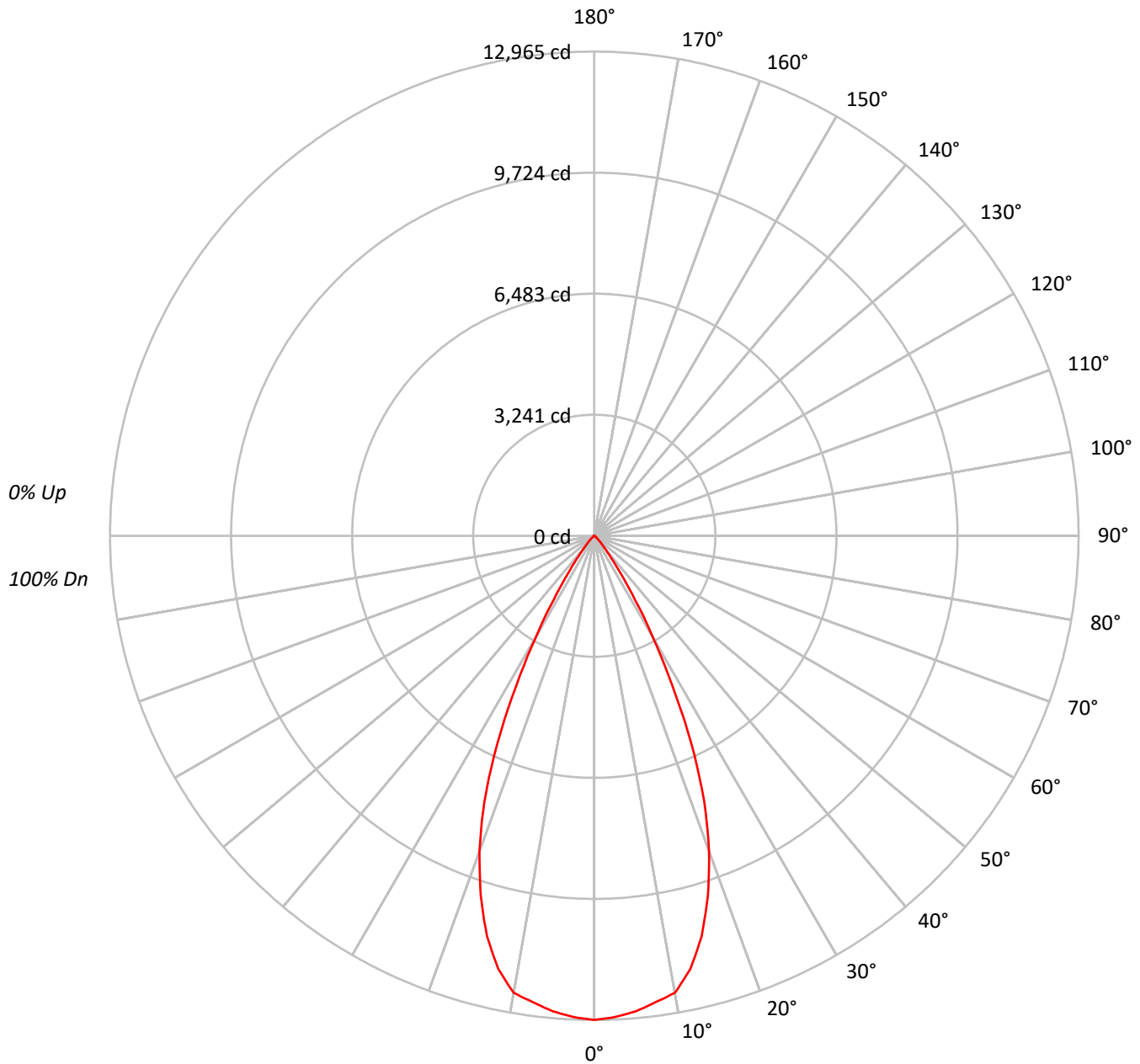


Downlight

TEST NUMBER: P754095

CATALOG NUMBER: LD4D80BD010-EU4DR5070959027-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P754095

CATALOG NUMBER: LD4D80BD010-EU4DR5070959027-4LBDP1LI

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	74	74	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	63	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1416544
5°	1401686
10°	1378607
15°	1255328
20°	1044584
25°	741491
30°	392469
35°	159939
40°	59405
45°	27195
50°	11151
55°	5829
60°	2863
65°	853
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27195 cd/sqm



TEST NUMBER: P754095

CATALOG NUMBER: LD4D80BD010-EU4DR5070959027-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1208.0	15.0
10°-20°	3052.8	37.9
20°-30°	2742.2	34.1
30°-40°	858.6	10.7
40°-50°	150.3	1.9
50°-60°	30.0	0.4
60°-70°	4.5	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°	7003.0	87.0
0°-40°	7861.6	97.7
0°-60°	8041.9	99.9
0°-90°	8046.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8046.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12965	
5°	12780	###
15°	11098	3053
25°	6151	2742
35°	1199	859
45°	176	150
55°	31	30
65°	3	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P754095

CATALOG NUMBER: LD4D80BD010-EU4DR5070959027-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	12964.8
2.5°	12900.3
5°	12780.0
7.5°	12596.4
10°	12425.9
12.5°	11879.4
15°	11097.8
17.5°	10105.3
20°	8983.9
22.5°	7686.4
25°	6150.6
27.5°	4522.0
30°	3110.8
32.5°	2025.4
35°	1199.1
37.5°	688.6
40°	416.5
42.5°	271.1
45°	176.0
47.5°	107.1
50°	65.6
52.5°	44.8
55°	30.6
57.5°	20.8
60°	13.1
62.5°	7.7
65°	3.3
67.5°	1.1
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)