

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: P753397

Luminaire Tested: LD4D75BD010-EU4DR5570959027-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR5570959027-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7864.9 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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

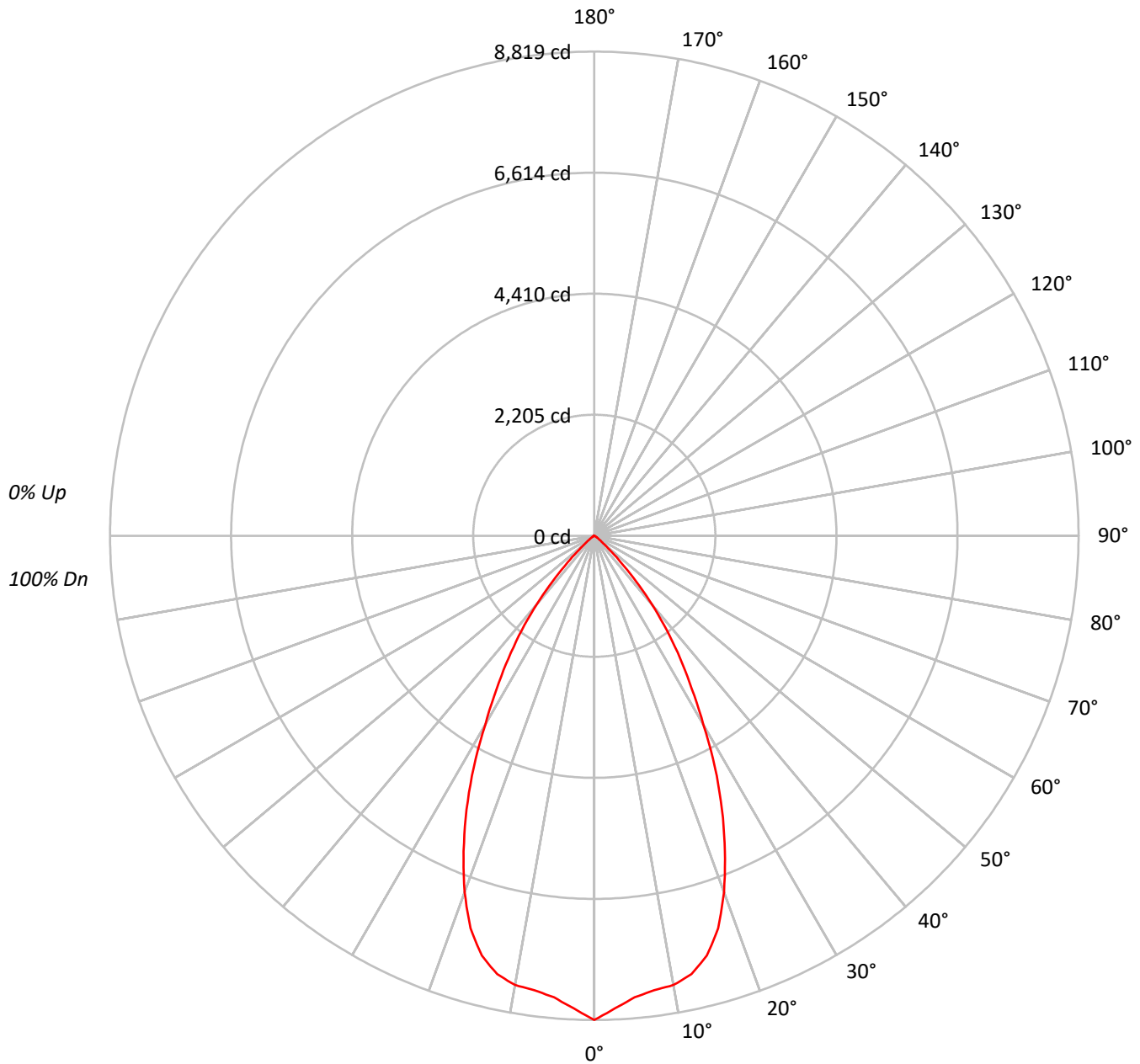


Downlight

TEST NUMBER: P753397

CATALOG NUMBER: LD4D75BD010-EU4DR5570959027-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P753397

CATALOG NUMBER: LD4D75BD010-EU4DR5570959027-4LBS1LI

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
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	88	79	73	68		86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	64		82	73	67	63		72	67	63		71	66	63		70	65	62
8	79	69	63	59		78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	66	60	56		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	56	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	963592
5°	925321
10°	921842
15°	895351
20°	802818
25°	663479
30°	501184
35°	363388
40°	232558
45°	106216
50°	34744
55°	14992
60°	6446
65°	853
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 106216 cd/sqm



TEST NUMBER: P753397

CATALOG NUMBER: LD4D75BD010-EU4DR5570959027-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.8	10.2
10°-20°	2191.0	27.9
20°-30°	2496.8	31.7
30°-40°	1699.7	21.6
40°-50°	585.7	7.4
50°-60°	81.0	1.0
60°-70°	7.8	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°	5490.6	69.8
0°-40°	7190.4	91.4
0°-60°	7857.1	99.9
0°-90°	7864.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7864.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8819	
5°	8437	803
15°	7915	2191
25°	5504	2497
35°	2724	1700
45°	687	586
55°	79	81
65°	3	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P753397

CATALOG NUMBER: LD4D75BD010-EU4DR5570959027-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	8819.2
2.5°	8617.0
5°	8436.7
7.5°	8348.2
10°	8308.9
12.5°	8177.7
15°	7915.4
17.5°	7499.1
20°	6904.6
22.5°	6218.3
25°	5503.5
27.5°	4759.3
30°	3972.5
32.5°	3305.8
35°	2724.4
37.5°	2171.5
40°	1630.5
42.5°	1130.0
45°	687.4
47.5°	370.5
50°	204.4
52.5°	121.3
55°	78.7
57.5°	50.3
60°	29.5
62.5°	13.1
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)