

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: P752978

Luminaire Tested: LD4D75BD010-EU4DR2570959050-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR2570959050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6043.2 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

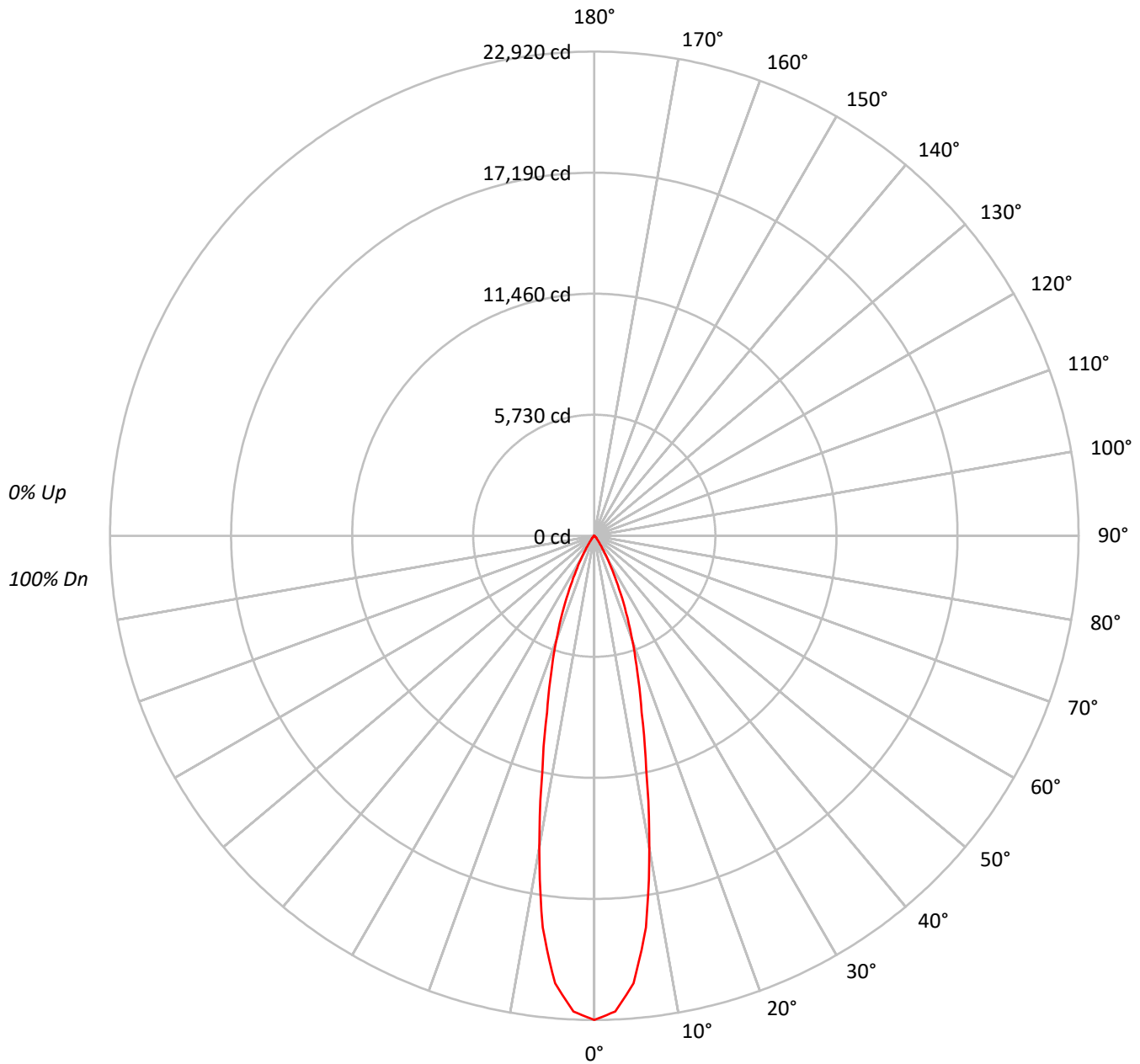


Downlight

TEST NUMBER: P752978

CATALOG NUMBER: LD4D75BD010-EU4DR2570959050-4LBDP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P752978

CATALOG NUMBER: LD4D75BD010-EU4DR2570959050-4LBDP1MW

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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	93	89	86	98	93	89	86	91	87	85		89	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	93	87	82	79	92	86	82	79	85	81	78		84	80	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2504300
5°	2332448
10°	1663795
15°	979916
20°	609712
25°	334615
30°	153024
35°	57955
40°	26244
45°	15776
50°	6544
55°	4229
60°	2950
65°	1991
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15776 cd/sqm



TEST NUMBER: P752978

CATALOG NUMBER: LD4D75BD010-EU4DR2570959050-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1827.7	30.2
10°-20°	2475.4	41.0
20°-30°	1310.0	21.7
30°-40°	323.4	5.4
40°-50°	78.9	1.3
50°-60°	20.7	0.3
60°-70°	7.0	0.1
70°-80°	0.1	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°	5613.1	92.9
0°-40°	5936.4	98.2
0°-60°	6036.1	99.9
0°-90°	6043.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6043.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22920	
5°	21266	###
15°	8663	2475
25°	2776	1310
35°	434	323
45°	102	79
55°	22	21
65°	8	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752978

CATALOG NUMBER: LD4D75BD010-EU4DR2570959050-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	22920.4
2.5°	22543.7
5°	21266.3
7.5°	18699.7
10°	14996.4
12.5°	11336.4
15°	8663.0
17.5°	6751.6
20°	5243.8
22.5°	3932.6
25°	2775.6
27.5°	1861.3
30°	1212.9
32.5°	738.0
35°	434.5
37.5°	265.9
40°	184.0
42.5°	140.7
45°	102.1
47.5°	61.7
50°	38.5
52.5°	27.9
55°	22.2
57.5°	17.3
60°	13.5
62.5°	10.6
65°	7.7
67.5°	2.9
70°	1.0
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)