

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: P753485

Luminaire Tested: LD4D75BD010-EU4DR6070959030-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6070959030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6510.8 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

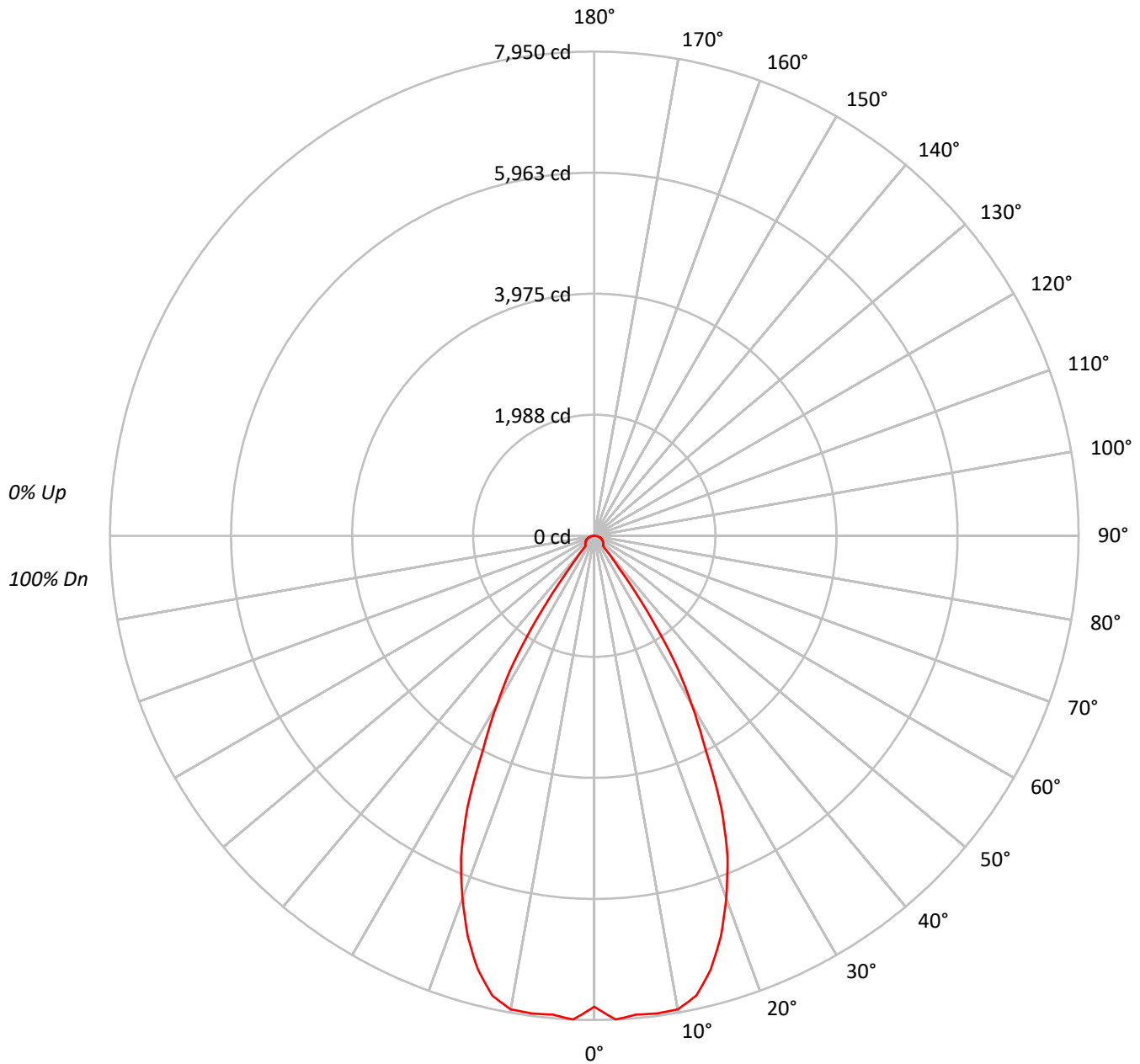


Downlight

TEST NUMBER: P753485

CATALOG NUMBER: LD4D75BD010-EU4DR6070959030-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P753485

CATALOG NUMBER: LD4D75BD010-EU4DR6070959030-4LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93						
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86						
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80						
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75						
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70						
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66						
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62						
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59						
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55						
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	844848
5°	865624
10°	876087
15°	834586
20°	735844
25°	595172
30°	402588
35°	201741
40°	32719
45°	32032
50°	32670
55°	33164
60°	34089
65°	34850
70°	35683
75°	36094
80°	34795
85°	28959

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 36094 cd/sqm



TEST NUMBER: P753485

CATALOG NUMBER: LD4D75BD010-EU4DR6070959030-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.3	11.6
10°-20°	2040.8	31.3
20°-30°	2195.8	33.7
30°-40°	954.5	14.7
40°-50°	160.3	2.5
50°-60°	155.9	2.4
60°-70°	133.3	2.0
70°-80°	89.2	1.4
80°-90°	26.7	0.4
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°	4990.9	76.7
0°-40°	5945.4	91.3
0°-60°	6261.6	96.2
0°-90°	6510.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6510.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7732	
5°	7892	754
15°	7378	2041
25°	4937	2196
35°	1512	954
45°	207	160
55°	174	156
65°	135	133
75°	86	89
85°	23	27
90°	0	



TEST NUMBER: P753485

CATALOG NUMBER: LD4D75BD010-EU4DR6070959030-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7732.4
2.5°	7949.8
5°	7892.4
7.5°	7910.5
10°	7896.5
12.5°	7733.4
15°	7378.2
17.5°	6901.2
20°	6328.6
22.5°	5715.8
25°	4936.9
27.5°	3948.7
30°	3191.0
32.5°	2459.4
35°	1512.5
37.5°	647.1
40°	229.4
42.5°	211.3
45°	207.3
47.5°	200.3
50°	192.2
52.5°	183.1
55°	174.1
57.5°	165.0
60°	156.0
62.5°	145.9
65°	134.8
67.5°	123.8
70°	111.7
72.5°	98.6
75°	85.5
77.5°	70.4
80°	55.3
82.5°	39.2
85°	23.1
87.5°	8.1
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)