

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: P750949

Luminaire Tested: LD4D60D010-EU4DR4555659050-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR4555659050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6893.2 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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

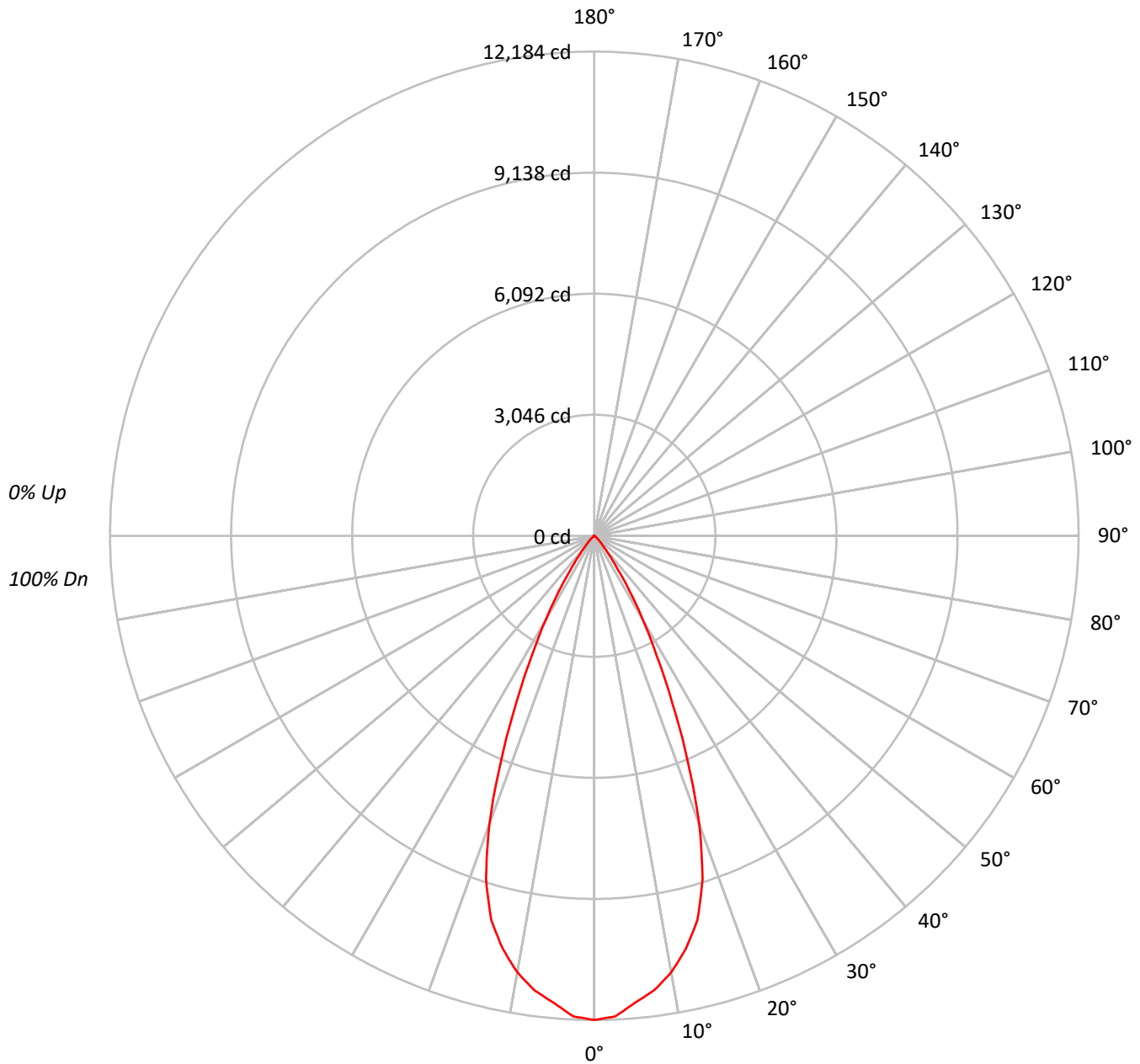


Downlight

TEST NUMBER: P750949

CATALOG NUMBER: LD4D60D010-EU4DR4555659050-4LBDP1LI

Luminous Intensity Polar Plot



TEST NUMBER: P750949

CATALOG NUMBER: LD4D60D010-EU4DR4555659050-4LBDP1LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1331222
5°	1293324
10°	1237362
15°	1132440
20°	898417
25°	560898
30°	309151
35°	138811
40°	54670
45°	25758
50°	12222
55°	6381
60°	3147
65°	750
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25758 cd/sqm



TEST NUMBER: P750949

CATALOG NUMBER: LD4D60D010-EU4DR4555659050-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1108.0	16.1
10°-20°	2726.8	39.6
20°-30°	2159.4	31.3
30°-40°	719.1	10.4
40°-50°	142.7	2.1
50°-60°	32.4	0.5
60°-70°	4.7	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°	5994.2	87.0
0°-40°	6713.3	97.4
0°-60°	6888.4	99.9
0°-90°	6893.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6893.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12184	
5°	11792	###
15°	10011	2727
25°	4653	2159
35°	1041	719
45°	167	143
55°	34	32
65°	3	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P750949

CATALOG NUMBER: LD4D60D010-EU4DR4555659050-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	12183.9
2.5°	12104.4
5°	11792.0
7.5°	11534.2
10°	11152.8
12.5°	10644.9
15°	10011.4
17.5°	9058.9
20°	7726.8
22.5°	6139.9
25°	4652.6
27.5°	3406.8
30°	2450.4
32.5°	1666.5
35°	1040.7
37.5°	617.1
40°	383.3
42.5°	252.0
45°	166.7
47.5°	107.3
50°	71.9
52.5°	47.9
55°	33.5
57.5°	22.0
60°	14.4
62.5°	7.7
65°	2.9
67.5°	1.0
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)