

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: P750912

Luminaire Tested: LD4D60D010-EU4DR4555659030-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750912
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-EU4DR4555659030-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6074.8 lumens
Efficiency: N/A
Efficacy: 94.3 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

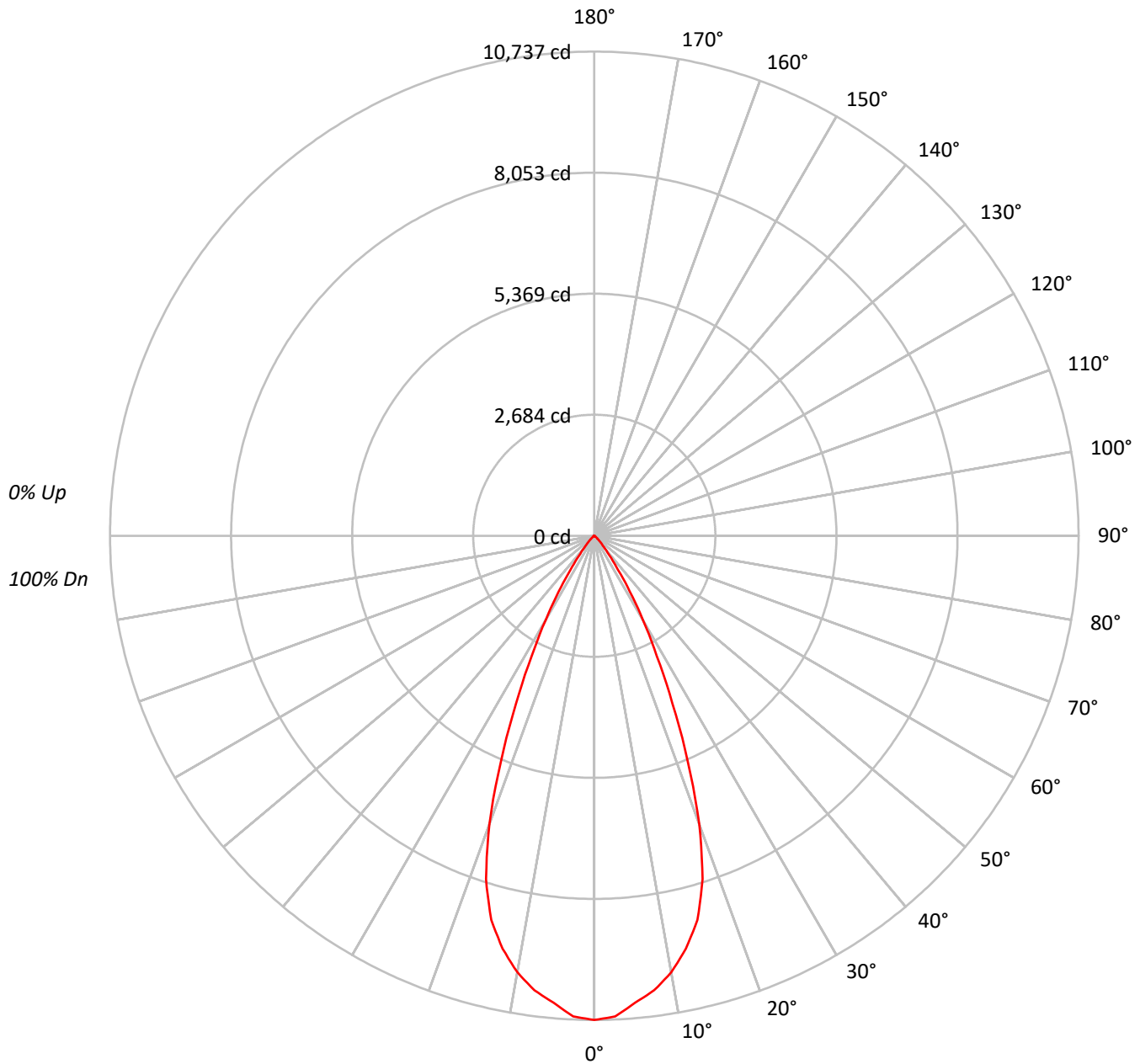


Downlight

TEST NUMBER: P750912

CATALOG NUMBER: LD4D60D010-EU4DR4555659030-4LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P750912

CATALOG NUMBER: LD4D60D010-EU4DR4555659030-4LBS1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1173176
5°	1139775
10°	1090458
15°	998003
20°	791760
25°	494303
30°	272450
35°	122339
40°	48180
45°	22699
50°	10760
55°	5639
60°	2775
65°	646
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22699 cd/sqm



TEST NUMBER: P750912

CATALOG NUMBER: LD4D60D010-EU4DR4555659030-4LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.4	16.1
10°-20°	2403.1	39.6
20°-30°	1903.0	31.3
30°-40°	633.7	10.4
40°-50°	125.8	2.1
50°-60°	28.6	0.5
60°-70°	4.1	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°	5282.6	87.0
0°-40°	5916.3	97.4
0°-60°	6070.6	99.9
0°-90°	6074.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6074.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10737	
5°	10392	976
15°	8823	2403
25°	4100	1903
35°	917	634
45°	147	126
55°	30	29
65°	2	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P750912

CATALOG NUMBER: LD4D60D010-EU4DR4555659030-4LBS1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	10737.4
2.5°	10667.3
5°	10392.0
7.5°	10164.8
10°	9828.7
12.5°	9381.1
15°	8822.9
17.5°	7983.4
20°	6809.5
22.5°	5410.9
25°	4100.2
27.5°	3002.3
30°	2159.5
32.5°	1468.6
35°	917.2
37.5°	543.9
40°	337.8
42.5°	222.1
45°	146.9
47.5°	94.6
50°	63.3
52.5°	42.2
55°	29.6
57.5°	19.4
60°	12.7
62.5°	6.8
65°	2.5
67.5°	0.8
70°	0.8
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)