

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: P751298

Luminaire Tested: LD4D60D010-EU4DR7055659030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR7055659030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3533.6 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

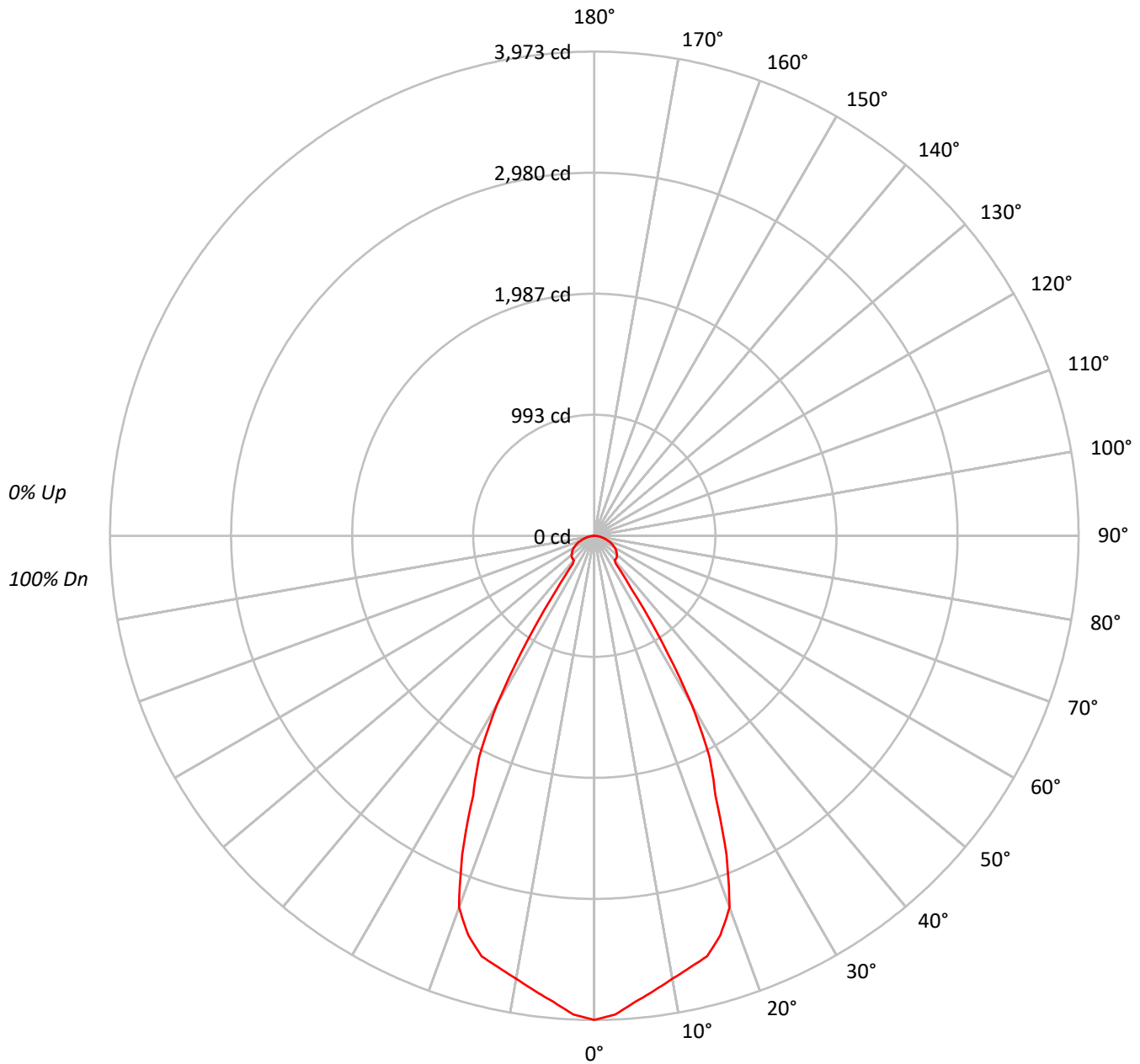


Downlight

TEST NUMBER: P751298

CATALOG NUMBER: LD4D60D010-EU4DR7055659030-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P751298

CATALOG NUMBER: LD4D60D010-EU4DR7055659030-4LBDP1B

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	434071
5°	421175
10°	409436
15°	404058
20°	377305
25°	283451
30°	200373
35°	70973
40°	37326
45°	39757
50°	41169
55°	41946
60°	42197
65°	41314
70°	38974
75°	36094
80°	32027
85°	26075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 42216 cd/sqm



TEST NUMBER: P751298

CATALOG NUMBER: LD4D60D010-EU4DR7055659030-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.2	10.3
10°-20°	993.5	28.1
20°-30°	1094.2	31.0
30°-40°	418.1	11.8
40°-50°	197.4	5.6
50°-60°	196.3	5.6
60°-70°	157.1	4.4
70°-80°	90.3	2.6
80°-90°	24.6	0.7
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°	2449.9	69.3
0°-40°	2868.0	81.2
0°-60°	3261.7	92.3
0°-90°	3533.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3533.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3973	
5°	3840	362
15°	3572	994
25°	2351	1094
35°	532	418
45°	257	197
55°	220	196
65°	160	157
75°	86	90
85°	21	25
90°	0	



TEST NUMBER: P751298

CATALOG NUMBER: LD4D60D010-EU4DR7055659030-4LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	3972.8
2.5°	3931.3
5°	3840.1
7.5°	3764.0
10°	3690.4
12.5°	3628.1
15°	3572.1
17.5°	3436.9
20°	3245.0
22.5°	2831.1
25°	2351.2
27.5°	2046.8
30°	1588.2
32.5°	1025.9
35°	532.1
37.5°	287.5
40°	261.7
42.5°	259.8
45°	257.3
47.5°	251.6
50°	242.2
52.5°	231.5
55°	220.2
57.5°	207.6
60°	193.1
62.5°	176.7
65°	159.8
67.5°	140.9
70°	122.0
72.5°	103.2
75°	85.5
77.5°	67.3
80°	50.9
82.5°	35.9
85°	20.8
87.5°	8.2
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)