

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: P751168

Luminaire Tested: LD4D60D010-EU4DR6055659040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751168
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: LD4D60D010-EU4DR6055659040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5025.9 lumens
Efficiency: N/A
Efficacy: 78.0 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): 64.4
Input Voltage (V): NR
Input Current (A_{in}): 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

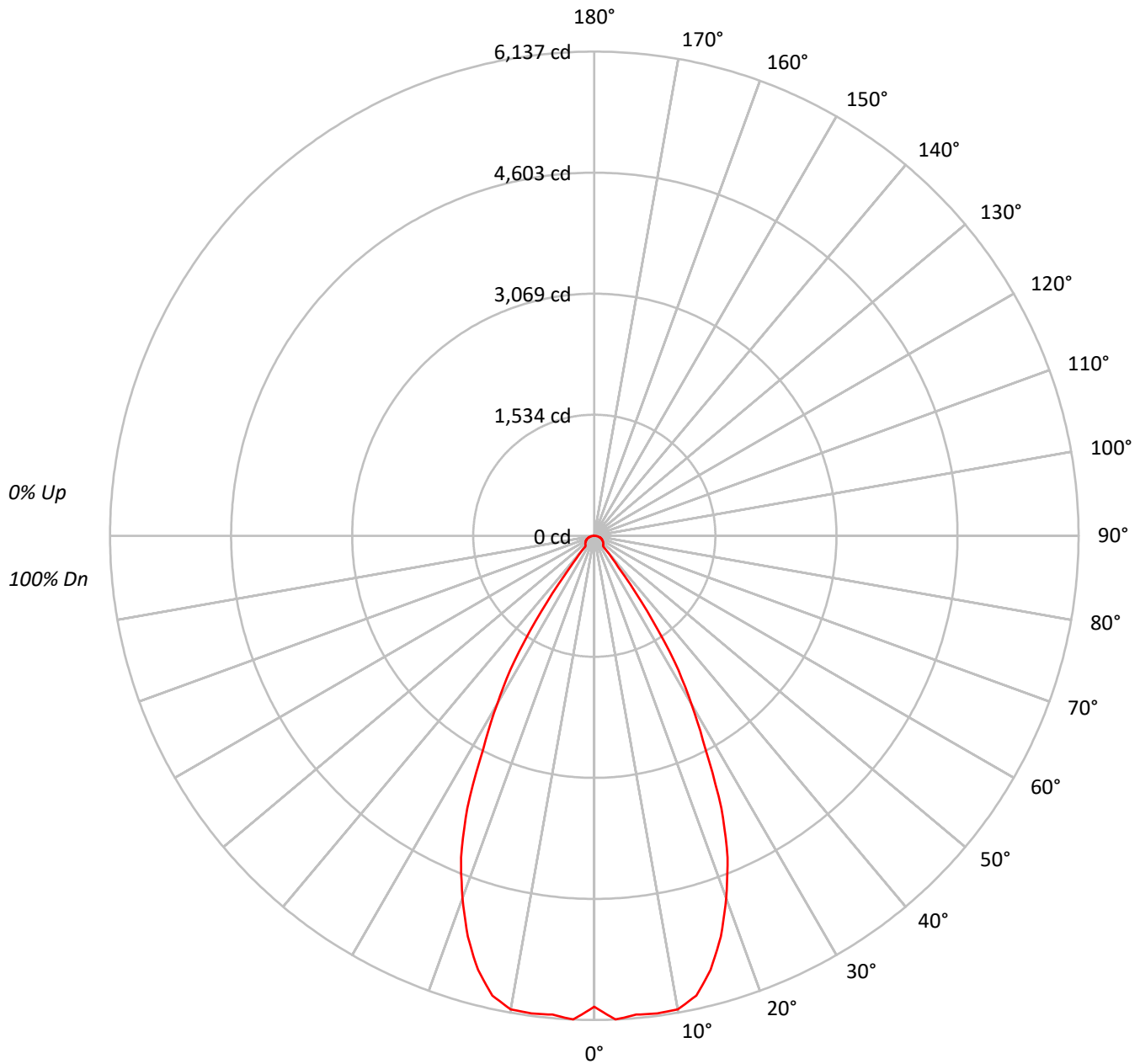


Downlight

TEST NUMBER: P751168

CATALOG NUMBER: LD4D60D010-EU4DR6055659040-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P751168

CATALOG NUMBER: LD4D60D010-EU4DR6055659040-4LBDP1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	652177
5°	668214
10°	676284
15°	644247
20°	568028
25°	459439
30°	310766
35°	155724
40°	25260
45°	24723
50°	25225
55°	25602
60°	26310
65°	26913
70°	27537
75°	27862
80°	26867
85°	22440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 27862 cd/sqm



TEST NUMBER: P751168

CATALOG NUMBER: LD4D60D010-EU4DR6055659040-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.3	11.6
10°-20°	1575.4	31.3
20°-30°	1695.0	33.7
30°-40°	736.8	14.7
40°-50°	123.7	2.5
50°-60°	120.3	2.4
60°-70°	102.9	2.0
70°-80°	68.8	1.4
80°-90°	20.6	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°	3852.7	76.7
0°-40°	4589.5	91.3
0°-60°	4833.6	96.2
0°-90°	5025.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5025.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5969	
5°	6092	582
15°	5696	1575
25°	3811	1695
35°	1168	737
45°	160	124
55°	134	120
65°	104	103
75°	66	69
85°	18	21
90°	0	



TEST NUMBER: P751168

CATALOG NUMBER: LD4D60D010-EU4DR6055659040-4LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	5969.0
2.5°	6136.8
5°	6092.5
7.5°	6106.5
10°	6095.6
12.5°	5969.7
15°	5695.5
17.5°	5327.3
20°	4885.3
22.5°	4412.3
25°	3811.0
27.5°	3048.2
30°	2463.2
32.5°	1898.5
35°	1167.5
37.5°	499.5
40°	177.1
42.5°	163.1
45°	160.0
47.5°	154.6
50°	148.4
52.5°	141.4
55°	134.4
57.5°	127.4
60°	120.4
62.5°	112.6
65°	104.1
67.5°	95.5
70°	86.2
72.5°	76.1
75°	66.0
77.5°	54.4
80°	42.7
82.5°	30.3
85°	17.9
87.5°	6.2
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)