

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: P751132

Luminaire Tested: LD4D60D010-EU4DR6055659027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751132
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-EU4DR6055659027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5304.0 lumens
Efficiency: N/A
Efficacy: 82.4 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 (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

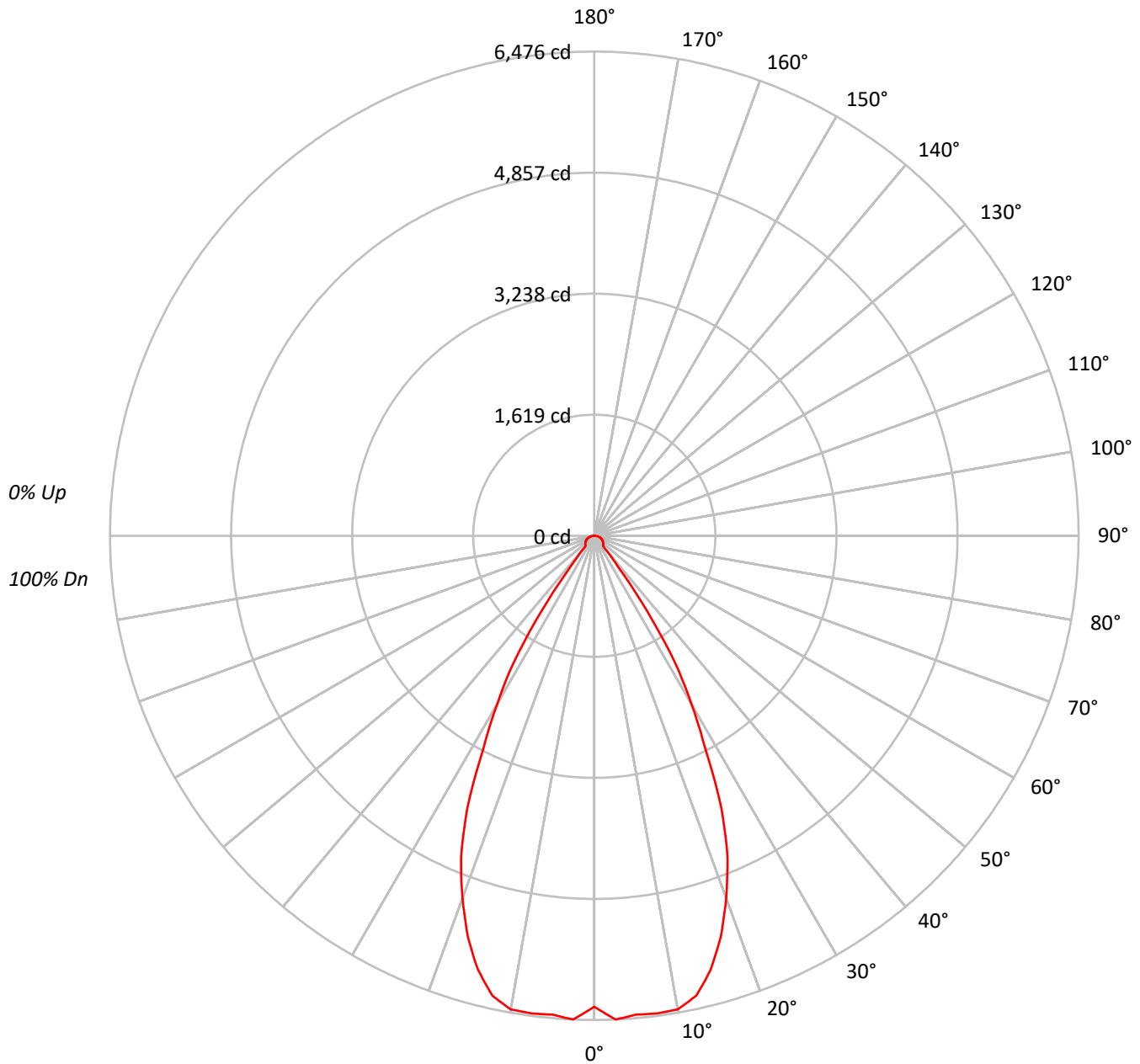


Downlight

TEST NUMBER: P751132

CATALOG NUMBER: LD4D60D010-EU4DR6055659027-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P751132

CATALOG NUMBER: LD4D60D010-EU4DR6055659027-4LB DP1MW

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°	688244
5°	705175
10°	713684
15°	679889
20°	599445
25°	484852
30°	327962
35°	164341
40°	26658
45°	26098
50°	26619
55°	27012
60°	27774
65°	28387
70°	29071
75°	29424
80°	28377
85°	23694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 29424 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.5	11.6
10°-20°	1662.6	31.3
20°-30°	1788.8	33.7
30°-40°	777.5	14.7
40°-50°	130.6	2.5
50°-60°	127.0	2.4
60°-70°	108.6	2.0
70°-80°	72.7	1.4
80°-90°	21.8	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°	4065.8	76.7
0°-40°	4843.4	91.3
0°-60°	5100.9	96.2
0°-90°	5304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5304.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6299	
5°	6430	614
15°	6011	1663
25°	4022	1789
35°	1232	778
45°	169	131
55°	142	127
65°	110	109
75°	70	73
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6299.1
2.5°	6476.2
5°	6429.5
7.5°	6444.2
10°	6432.7
12.5°	6299.9
15°	6010.6
17.5°	5622.0
20°	5155.5
22.5°	4656.3
25°	4021.8
27.5°	3216.8
30°	2599.5
32.5°	2003.5
35°	1232.1
37.5°	527.1
40°	186.9
42.5°	172.2
45°	168.9
47.5°	163.1
50°	156.6
52.5°	149.2
55°	141.8
57.5°	134.4
60°	127.1
62.5°	118.9
65°	109.8
67.5°	100.8
70°	91.0
72.5°	80.3
75°	69.7
77.5°	57.4
80°	45.1
82.5°	32.0
85°	18.9
87.5°	6.6
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)