

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: P751155

Luminaire Tested: LD4D60D010-EU4DR6055659035-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751155
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-EU4DR6055659035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4801.4 lumens
Efficiency: N/A
Efficacy: 74.6 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

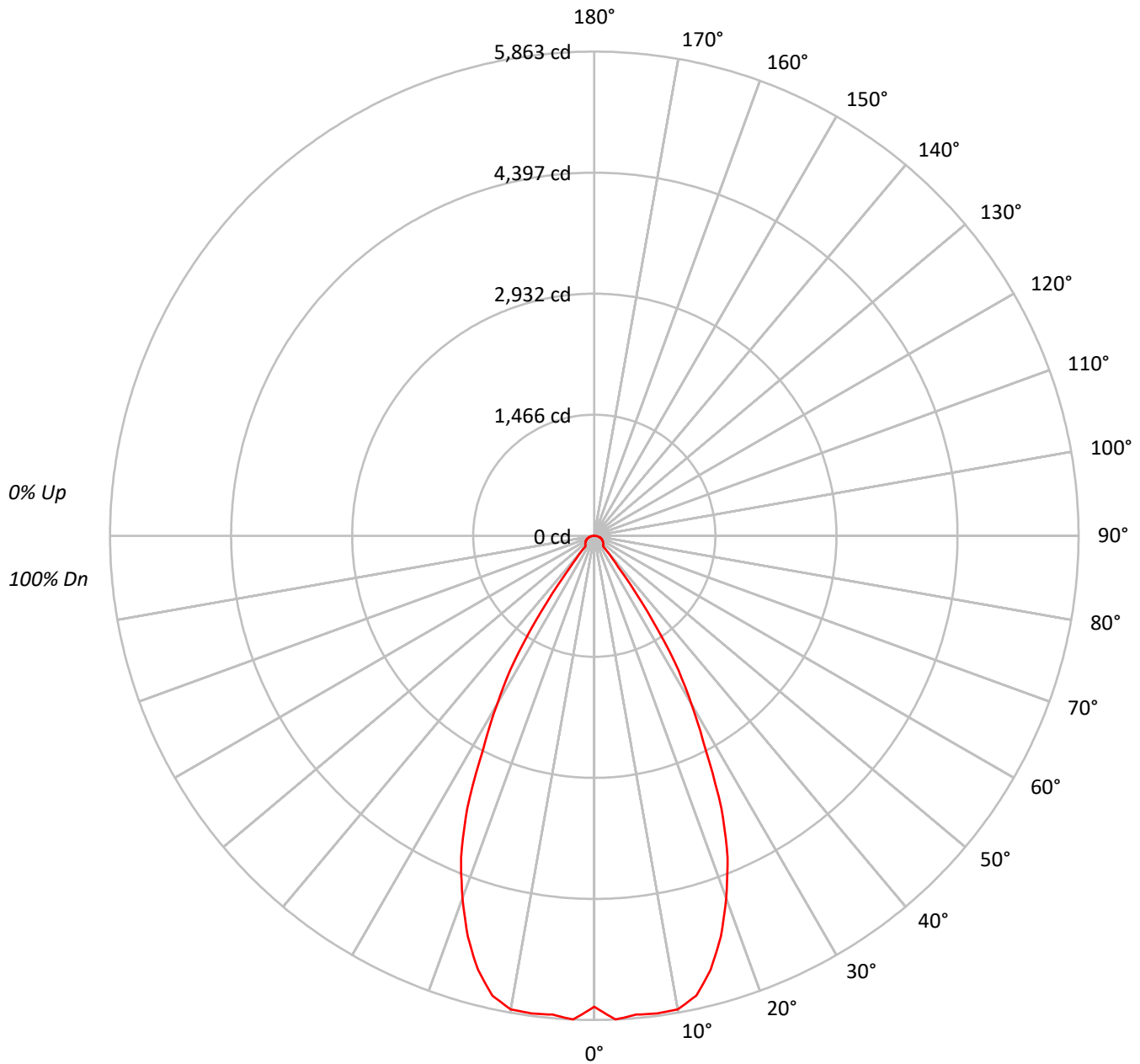


Downlight

TEST NUMBER: P751155

CATALOG NUMBER: LD4D60D010-EU4DR6055659035-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P751155

CATALOG NUMBER: LD4D60D010-EU4DR6055659035-4LBDP1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	623049
5°	638370
10°	646073
15°	615482
20°	542657
25°	438920
30°	296888
35°	148775
40°	24133
45°	23626
50°	24086
55°	24459
60°	25130
65°	25698
70°	26323
75°	26638
80°	25672
85°	21437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 26638 cd/sqm



TEST NUMBER: P751155

CATALOG NUMBER: LD4D60D010-EU4DR6055659035-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.3	11.6
10°-20°	1505.1	31.3
20°-30°	1619.3	33.7
30°-40°	703.9	14.7
40°-50°	118.2	2.5
50°-60°	115.0	2.4
60°-70°	98.3	2.0
70°-80°	65.8	1.4
80°-90°	19.7	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°	3680.6	76.7
0°-40°	4384.5	91.3
0°-60°	4617.7	96.2
0°-90°	4801.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4801.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5702	
5°	5820	556
15°	5441	1505
25°	3641	1619
35°	1115	704
45°	153	118
55°	128	115
65°	99	98
75°	63	66
85°	17	20
90°	0	



TEST NUMBER: P751155

CATALOG NUMBER: LD4D60D010-EU4DR6055659035-4LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	5702.4
2.5°	5862.7
5°	5820.4
7.5°	5833.7
10°	5823.3
12.5°	5703.1
15°	5441.2
17.5°	5089.4
20°	4667.1
22.5°	4215.2
25°	3640.8
27.5°	2912.0
30°	2353.2
32.5°	1813.7
35°	1115.4
37.5°	477.2
40°	169.2
42.5°	155.8
45°	152.9
47.5°	147.7
50°	141.7
52.5°	135.1
55°	128.4
57.5°	121.7
60°	115.0
62.5°	107.6
65°	99.4
67.5°	91.3
70°	82.4
72.5°	72.7
75°	63.1
77.5°	51.9
80°	40.8
82.5°	28.9
85°	17.1
87.5°	5.9
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)