

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: P751173

Luminaire Tested: LD4D60D010-EU4DR6055659040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR6055659040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6718.3 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

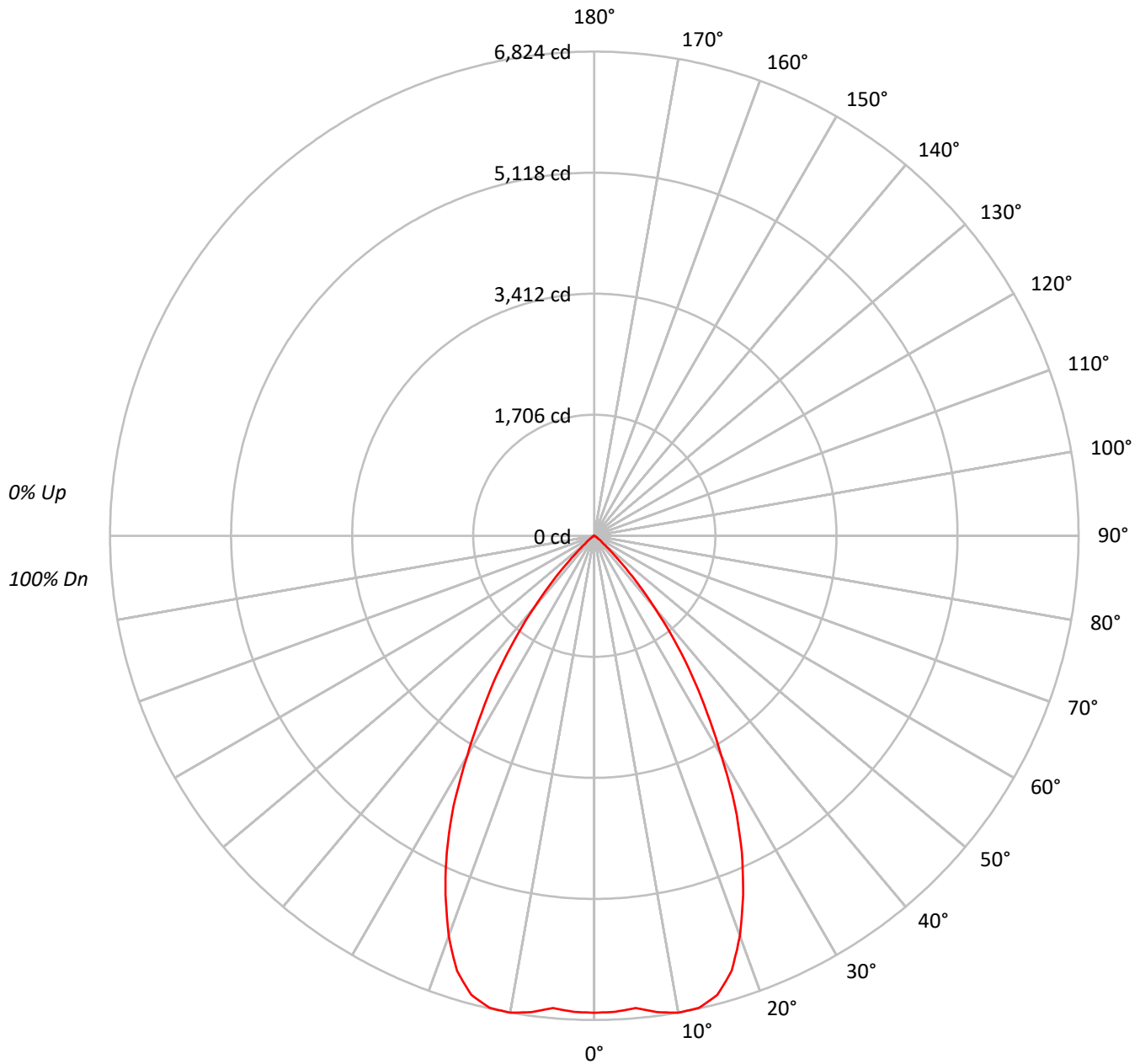


Downlight

TEST NUMBER: P751173

CATALOG NUMBER: LD4D60D010-EU4DR6055659040-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P751173

CATALOG NUMBER: LD4D60D010-EU4DR6055659040-4LBS1H

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	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	87	79	73	68		86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	63		82	73	67	63		72	67	63		71	66	63		69	65	62
8	79	69	63	59		78	69	63	59		68	63	59		67	62	59		66	61	58
9	75	65	59	55		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	55	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	734582
5°	732792
10°	757131
15°	757916
20°	697358
25°	593147
30°	451968
35°	319612
40°	187687
45°	75729
50°	25276
55°	12172
60°	5004
65°	750
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75729 cd/sqm



TEST NUMBER: P751173

CATALOG NUMBER: LD4D60D010-EU4DR6055659040-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.5	9.6
10°-20°	1856.2	27.6
20°-30°	2221.7	33.1
30°-40°	1486.0	22.1
40°-50°	440.6	6.6
50°-60°	63.3	0.9
60°-70°	6.0	0.1
70°-80°	0.0	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°	4722.4	70.3
0°-40°	6208.4	92.4
0°-60°	6712.3	99.9
0°-90°	6718.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6718.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6723	
5°	6681	645
15°	6700	1856
25°	4920	2222
35°	2396	1486
45°	490	441
55°	64	63
65°	3	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P751173

CATALOG NUMBER: LD4D60D010-EU4DR6055659040-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	6723.2
2.5°	6714.7
5°	6681.3
7.5°	6771.9
10°	6824.3
12.5°	6814.8
15°	6700.4
17.5°	6430.5
20°	5997.6
22.5°	5478.0
25°	4920.1
27.5°	4291.8
30°	3582.4
32.5°	2949.2
35°	2396.2
37.5°	1842.2
40°	1315.9
42.5°	867.7
45°	490.1
47.5°	250.8
50°	148.7
52.5°	96.3
55°	63.9
57.5°	41.0
60°	22.9
62.5°	9.5
65°	2.9
67.5°	1.0
70°	0.0
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)