

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: P750874

Luminaire Tested: LD4D60D010-EU4DR4055659050-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR4055659050-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7043.6 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

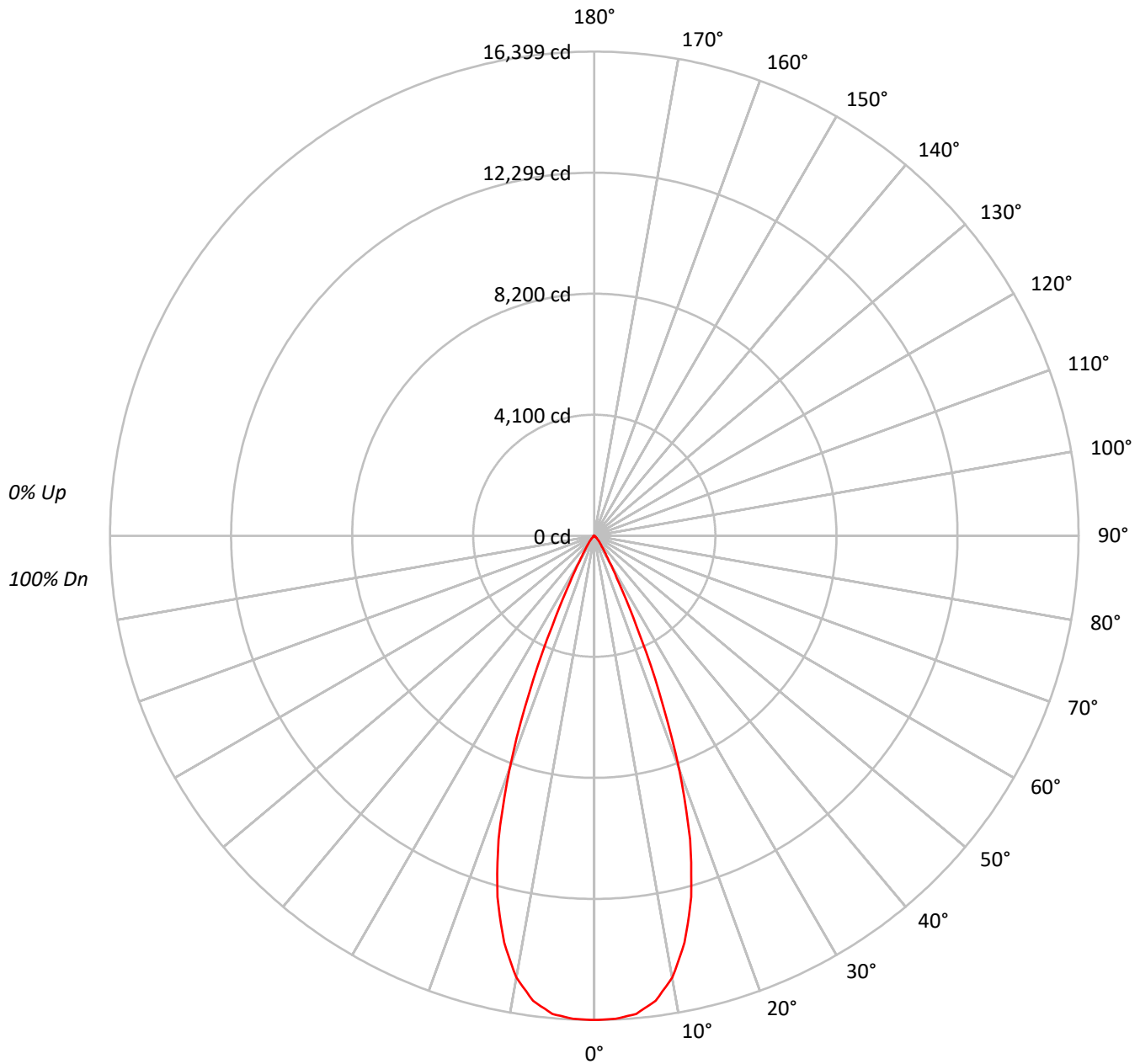


Downlight

TEST NUMBER: P750874

CATALOG NUMBER: LD4D60D010-EU4DR4055659050-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P750874

CATALOG NUMBER: LD4D60D010-EU4DR4055659050-4LBS1H

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	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	97
2	110	106	103	100		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		104	100	96	93		97	94	92		95	93	90		93	91	89
4	102	97	92	89		101	95	91	88		93	90	87		92	89	86		90	87	85
5	99	92	88	84		97	91	87	84		90	86	83		88	85	83		87	84	82
6	95	88	84	80		94	88	83	80		86	82	80		85	82	79		84	81	79
7	92	85	80	77		91	84	80	77		83	79	76		82	79	76		81	78	76
8	89	82	77	74		88	81	77	74		80	76	73		79	76	73		78	75	73
9	86	79	74	71		85	78	74	71		77	73	71		76	73	70		76	72	70
10	83	76	71	68		82	75	71	68		75	71	68		74	70	68		73	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1791800
5°	1783103
10°	1685418
15°	1432817
20°	976564
25°	407467
30°	128119
35°	59542
40°	32933
45°	15096
50°	7326
55°	4019
60°	2098
65°	750
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15096 cd/sqm



TEST NUMBER: P750874

CATALOG NUMBER: LD4D60D010-EU4DR4055659050-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1518.0	21.6
10°-20°	3400.8	48.3
20°-30°	1702.3	24.2
30°-40°	312.0	4.4
40°-50°	86.1	1.2
50°-60°	20.2	0.3
60°-70°	3.9	0.1
70°-80°	0.1	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°	6621.2	94.0
0°-40°	6933.3	98.4
0°-60°	7039.6	99.9
0°-90°	7043.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7043.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16399	
5°	16258	###
15°	12667	3401
25°	3380	1702
35°	446	312
45°	98	86
55°	21	20
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P750874

CATALOG NUMBER: LD4D60D010-EU4DR4055659050-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	16399.3
2.5°	16375.4
5°	16257.6
7.5°	15882.0
10°	15191.3
12.5°	14114.5
15°	12666.9
17.5°	10784.4
20°	8398.9
22.5°	5726.1
25°	3379.9
27.5°	1786.7
30°	1015.5
32.5°	656.2
35°	446.4
37.5°	319.0
40°	230.9
42.5°	158.1
45°	97.7
47.5°	62.3
50°	43.1
52.5°	30.7
55°	21.1
57.5°	13.4
60°	9.6
62.5°	5.7
65°	2.9
67.5°	1.9
70°	1.0
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)