

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: P750705

Luminaire Tested: LD4D60D010-EU4DR3055659040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR3055659040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6542.1 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

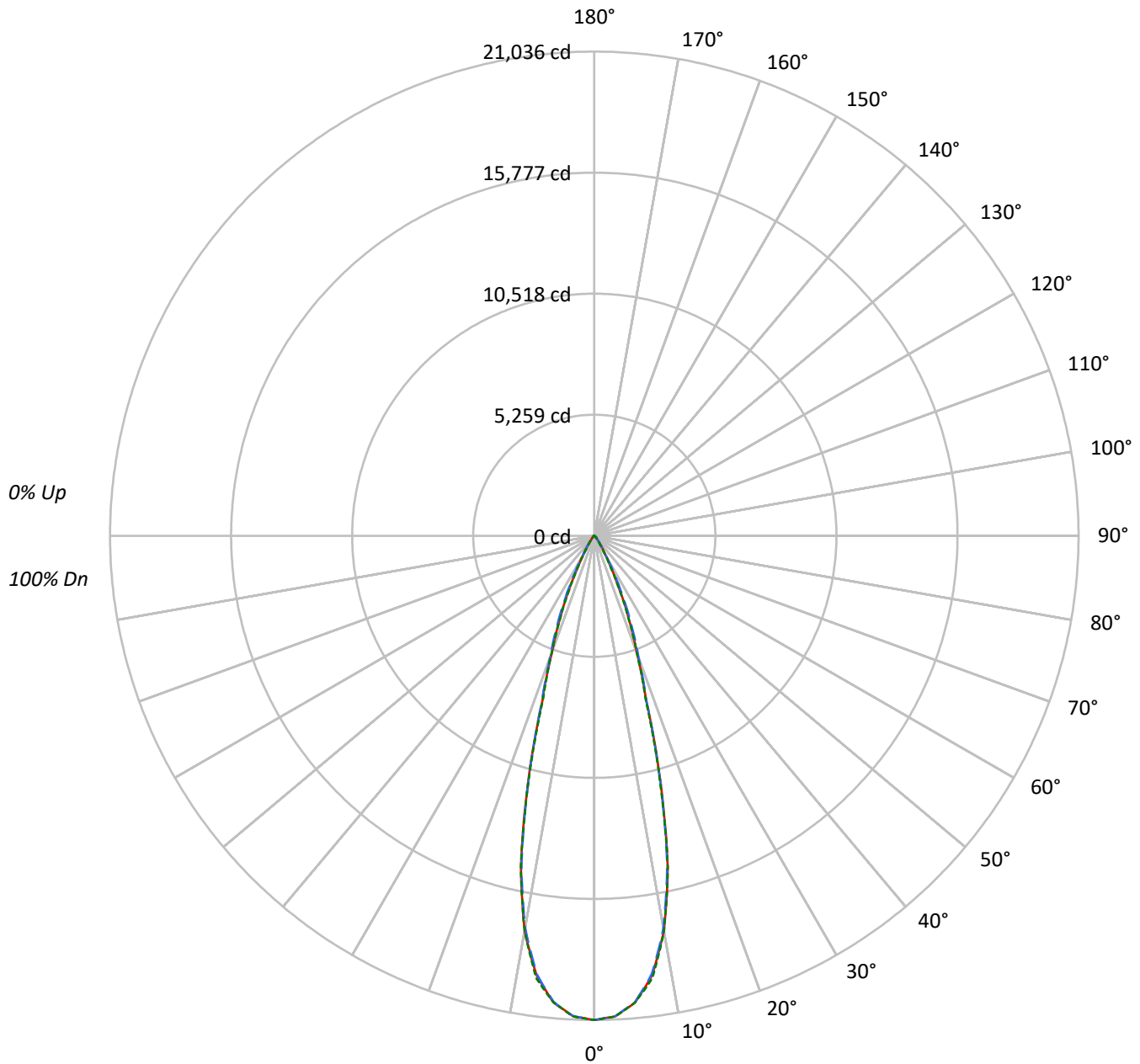


Downlight

TEST NUMBER: P750705

CATALOG NUMBER: LD4D60D010-EU4DR3055659040-4LBS1H

Luminous Intensity Polar Plot



TEST NUMBER: P750705

CATALOG NUMBER: LD4D60D010-EU4DR3055659040-4LBS1H

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85		
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82		
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79		
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1610167	1610167	1610167
5°	1563939	1562117	1564023
10°	1354608	1345056	1354290
15°	883819	879065	874651
20°	439478	455965	438892
25°	221377	249644	216842
30°	88632	96578	77222
35°	41115	39377	33004
40°	17746	19714	16717
45°	12524	15545	12633
50°	4299	11313	4549
55°	2482	4684	2616
60°	1745	2051	1745
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15545 cd/sqm

TEST NUMBER: P750705

CATALOG NUMBER: LD4D60D010-EU4DR3055659040-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1849.8	28.3
10°-20°	2979.1	45.5
20°-30°	1287.4	19.7
30°-40°	293.4	4.5
40°-50°	100.7	1.5
50°-60°	24.6	0.4
60°-70°	6.4	0.1
70°-80°	0.7	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°	6116.3	93.5
0°-40°	6409.7	98.0
0°-60°	6535.0	99.9
0°-90°	6542.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6542.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21036	21036	21036	21036	21036	
5°	20354	20335	20331	20373	20355	1851
15°	11153	11019	11093	11057	11038	2986
25°	2621	2720	2956	2651	2568	1255
35°	440	449	421	418	353	298
45°	116	144	144	144	117	82
55°	19	20	35	21	20	18
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P750705

CATALOG NUMBER: LD4D60D010-EU4DR3055659040-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21036.0	21036.0	21036.0	21036.0	21036.0
2.5°	20896.5	20882.1	20890.3	20900.7	20904.8
5°	20354.3	20334.7	20330.6	20372.9	20355.4
7.5°	19260.6	19232.7	19190.4	19286.4	19376.3
10°	17428.4	17397.4	17305.5	17351.0	17424.3
12.5°	14723.5	14623.3	14621.3	14765.9	14746.2
15°	11153.2	11018.9	11093.2	11057.1	11037.5
17.5°	7500.2	7448.5	7547.7	7517.7	7388.6
20°	5395.3	5408.7	5597.7	5502.7	5388.1
22.5°	3937.0	3985.6	4209.7	3964.9	3875.0
25°	2621.2	2720.4	2955.9	2651.2	2567.5
27.5°	1612.2	1657.6	1896.2	1591.5	1546.1
30°	1002.8	980.1	1092.7	937.8	873.7
32.5°	657.9	629.0	665.1	597.0	545.3
35°	440.0	449.3	421.4	418.3	353.2
37.5°	274.7	316.0	278.9	297.4	227.2
40°	177.6	229.3	197.3	217.9	167.3
42.5°	145.6	176.6	162.1	172.5	148.7
45°	115.7	143.6	143.6	143.6	116.7
47.5°	64.0	96.0	122.9	98.1	68.2
50°	36.1	48.5	95.0	50.6	38.2
52.5°	24.8	27.9	65.1	28.9	25.8
55°	18.6	19.6	35.1	20.7	19.6
57.5°	14.5	15.5	18.6	15.5	14.5
60°	11.4	11.4	13.4	12.4	11.4
62.5°	8.3	8.3	9.3	8.3	8.3
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.1	4.1	4.1	4.1
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)