

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: P750692

Luminaire Tested: LD4D60D010-EU4DR3055659035-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750692
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-EU4DR3055659035-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6249.9 lumens
Efficiency: N/A
Efficacy: 97.0 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 (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

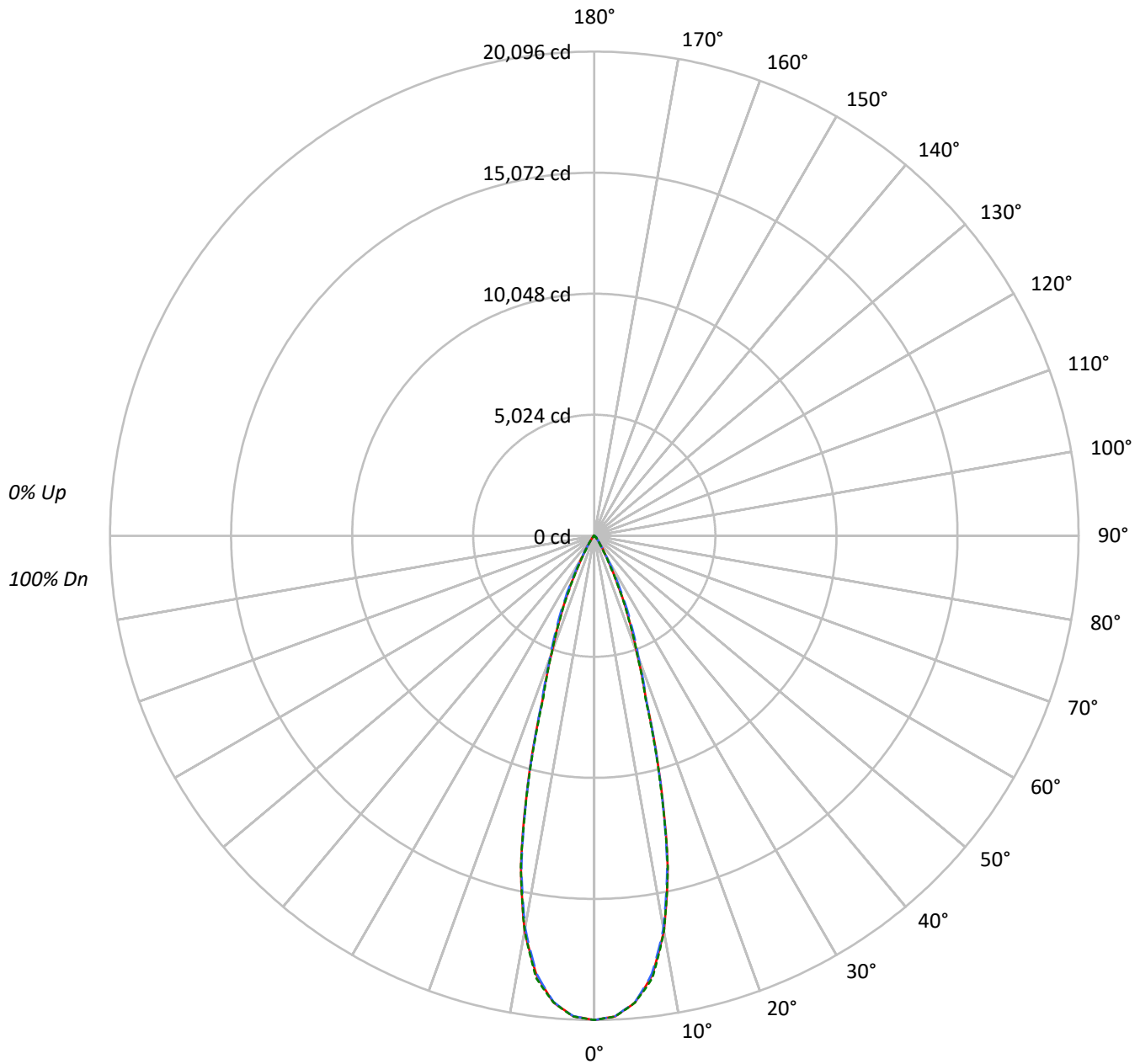


Downlight

TEST NUMBER: P750692

CATALOG NUMBER: LD4D60D010-EU4DR3055659035-4LBS1H

Luminous Intensity Polar Plot



TEST NUMBER: P750692

CATALOG NUMBER: LD4D60D010-EU4DR3055659035-4LBS1H

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°	1538247	1538247	1538247
5°	1494087	1492343	1494164
10°	1294108	1284983	1293797
15°	844340	839807	835584
20°	419848	435601	419285
25°	211495	238488	207163
30°	84681	92265	73775
35°	39274	37620	31527
40°	16956	18835	15967
45°	11961	14841	12070
50°	4108	10812	4346
55°	2375	4471	2496
60°	1669	1960	1669
65°	1069	1069	1069
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14841 cd/sqm



TEST NUMBER: P750692

CATALOG NUMBER: LD4D60D010-EU4DR3055659035-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1767.2	28.3
10°-20°	2846.1	45.5
20°-30°	1229.9	19.7
30°-40°	280.3	4.5
40°-50°	96.2	1.5
50°-60°	23.5	0.4
60°-70°	6.1	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°	5843.1	93.5
0°-40°	6123.4	98.0
0°-60°	6243.1	99.9
0°-90°	6249.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6249.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20096	20096	20096	20096	20096	
5°	19445	19426	19422	19463	19446	1769
15°	10655	10527	10598	10563	10544	2853
25°	2504	2599	2824	2533	2453	1199
35°	420	429	403	400	337	285
45°	110	137	137	137	112	78
55°	18	19	34	20	19	17
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: P750692

CATALOG NUMBER: LD4D60D010-EU4DR3055659035-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20096.4	20096.4	20096.4	20096.4	20096.4
2.5°	19963.2	19949.4	19957.3	19967.2	19971.1
5°	19445.2	19426.5	19422.5	19463.0	19446.2
7.5°	18400.3	18373.7	18333.2	18425.0	18510.8
10°	16650.0	16620.4	16532.6	16576.0	16646.0
12.5°	14065.9	13970.2	13968.2	14106.4	14087.6
15°	10655.0	10526.7	10597.8	10563.2	10544.5
17.5°	7165.2	7115.8	7210.6	7181.9	7058.6
20°	5154.3	5167.2	5347.7	5257.0	5147.4
22.5°	3761.2	3807.5	4021.7	3787.8	3702.0
25°	2504.2	2598.9	2823.8	2532.8	2452.9
27.5°	1540.2	1583.6	1811.5	1520.5	1477.0
30°	958.1	936.3	1043.9	895.9	834.7
32.5°	628.5	600.9	635.4	570.3	521.0
35°	420.3	429.2	402.6	399.6	337.4
37.5°	262.5	301.9	266.4	284.2	217.1
40°	169.7	219.0	188.5	208.2	159.8
42.5°	139.1	168.7	154.9	164.8	142.1
45°	110.5	137.1	137.1	137.1	111.5
47.5°	61.2	91.8	117.4	93.7	65.1
50°	34.5	46.4	90.8	48.3	36.5
52.5°	23.7	26.6	62.2	27.6	24.7
55°	17.8	18.7	33.5	19.7	18.7
57.5°	13.8	14.8	17.8	14.8	13.8
60°	10.9	10.9	12.8	11.8	10.9
62.5°	7.9	7.9	8.9	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	3.0	3.9	3.9	3.9	3.9
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	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)