

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: P750715

Luminaire Tested: LD4D60D010-EU4DR3055659050-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750715
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-EU4DR3055659050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6572.3 lumens
Efficiency: N/A
Efficacy: 102.1 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

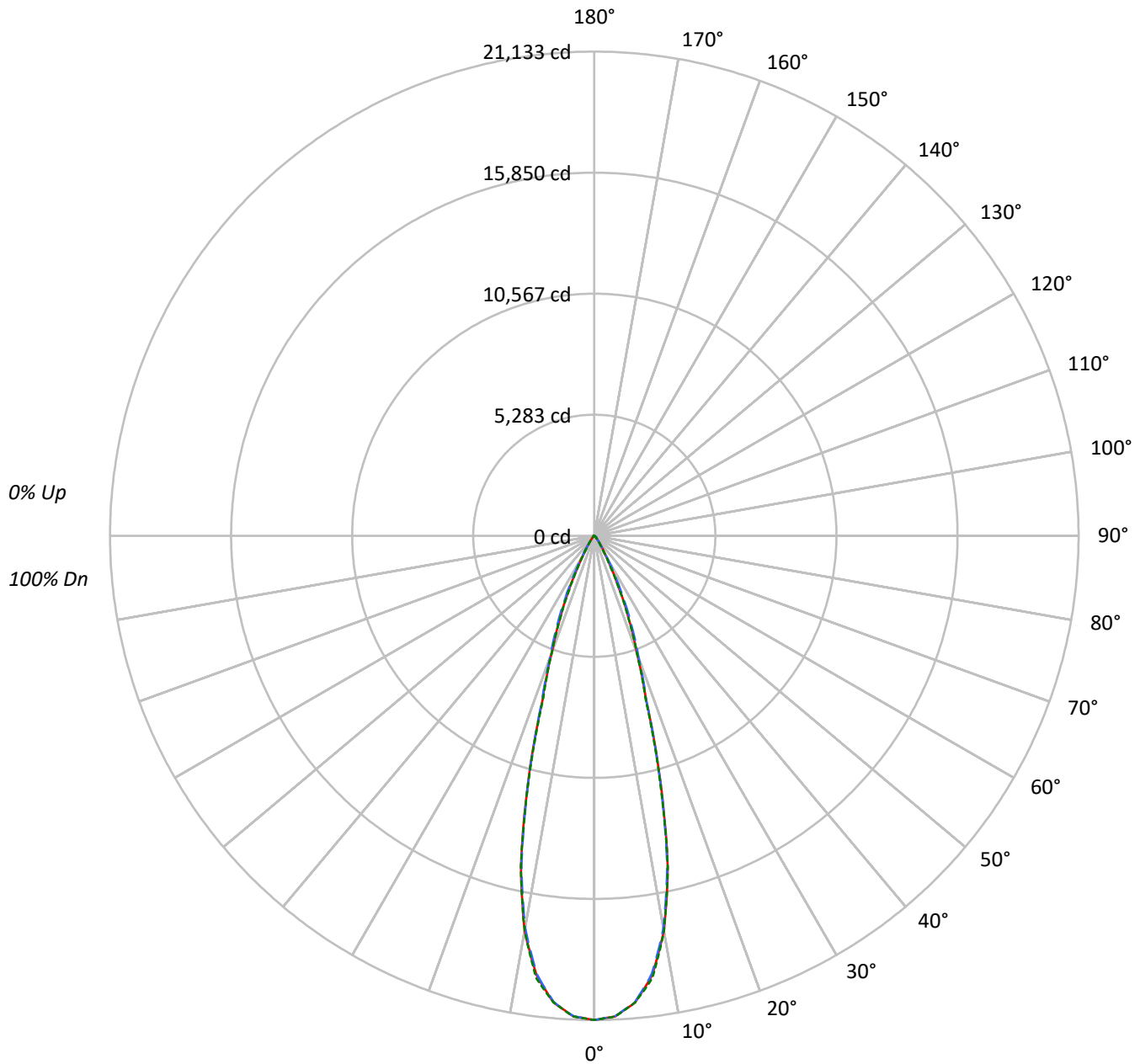


Downlight

TEST NUMBER: P750715

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Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1617615	1617615	1617615
5°	1571176	1569340	1571253
10°	1360873	1351274	1360554
15°	887900	883138	878692
20°	441515	458075	440920
25°	222407	250793	217847
30°	89048	97029	77584
35°	41301	39554	33153
40°	17836	19804	16797
45°	12578	15609	12687
50°	4323	11372	4573
55°	2496	4711	2629
60°	1745	2067	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: 15609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1858.3	28.3
10°-20°	2992.9	45.5
20°-30°	1293.3	19.7
30°-40°	294.8	4.5
40°-50°	101.2	1.5
50°-60°	24.7	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°	6144.5	93.5
0°-40°	6439.3	98.0
0°-60°	6565.3	99.9
0°-90°	6572.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6572.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21133	21133	21133	21133	21133	
5°	20448	20429	20425	20467	20450	1860
15°	11205	11070	11145	11108	11088	3000
25°	2633	2733	2970	2663	2579	1260
35°	442	451	423	420	355	300
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21133.3	21133.3	21133.3	21133.3	21133.3
2.5°	20993.2	20978.7	20987.0	20997.3	21001.5
5°	20448.5	20428.7	20424.6	20467.1	20449.5
7.5°	19349.7	19321.7	19279.1	19375.6	19465.9
10°	17509.0	17477.9	17385.5	17431.2	17504.9
12.5°	14791.6	14691.0	14688.9	14834.2	14814.4
15°	11204.7	11069.8	11144.6	11108.2	11088.5
17.5°	7534.8	7483.0	7582.6	7552.5	7422.8
20°	5420.3	5433.8	5623.6	5528.2	5413.0
22.5°	3955.2	4004.0	4229.1	3983.2	3893.0
25°	2633.4	2733.0	2969.5	2663.4	2579.4
27.5°	1619.6	1665.3	1905.0	1598.9	1553.2
30°	1007.5	984.7	1097.8	942.1	877.8
32.5°	660.9	631.9	668.2	599.7	547.8
35°	442.0	451.3	423.3	420.2	354.8
37.5°	276.0	317.5	280.1	298.8	228.3
40°	178.5	230.3	198.2	218.9	168.1
42.5°	146.3	177.4	162.9	173.3	149.4
45°	116.2	144.2	144.2	144.2	117.2
47.5°	64.3	96.5	123.5	98.6	68.5
50°	36.3	48.8	95.5	50.8	38.4
52.5°	24.9	28.0	65.4	29.1	25.9
55°	18.7	19.7	35.3	20.8	19.7
57.5°	14.5	15.6	18.7	15.6	14.5
60°	11.4	11.4	13.5	12.5	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	4.2	4.2	4.2	4.2
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)