

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: P750676

Luminaire Tested: LD4D60D010-EU4DR3055659030-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750676
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-EU4DR3055659030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6169.3 lumens
Efficiency: N/A
Efficacy: 95.8 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

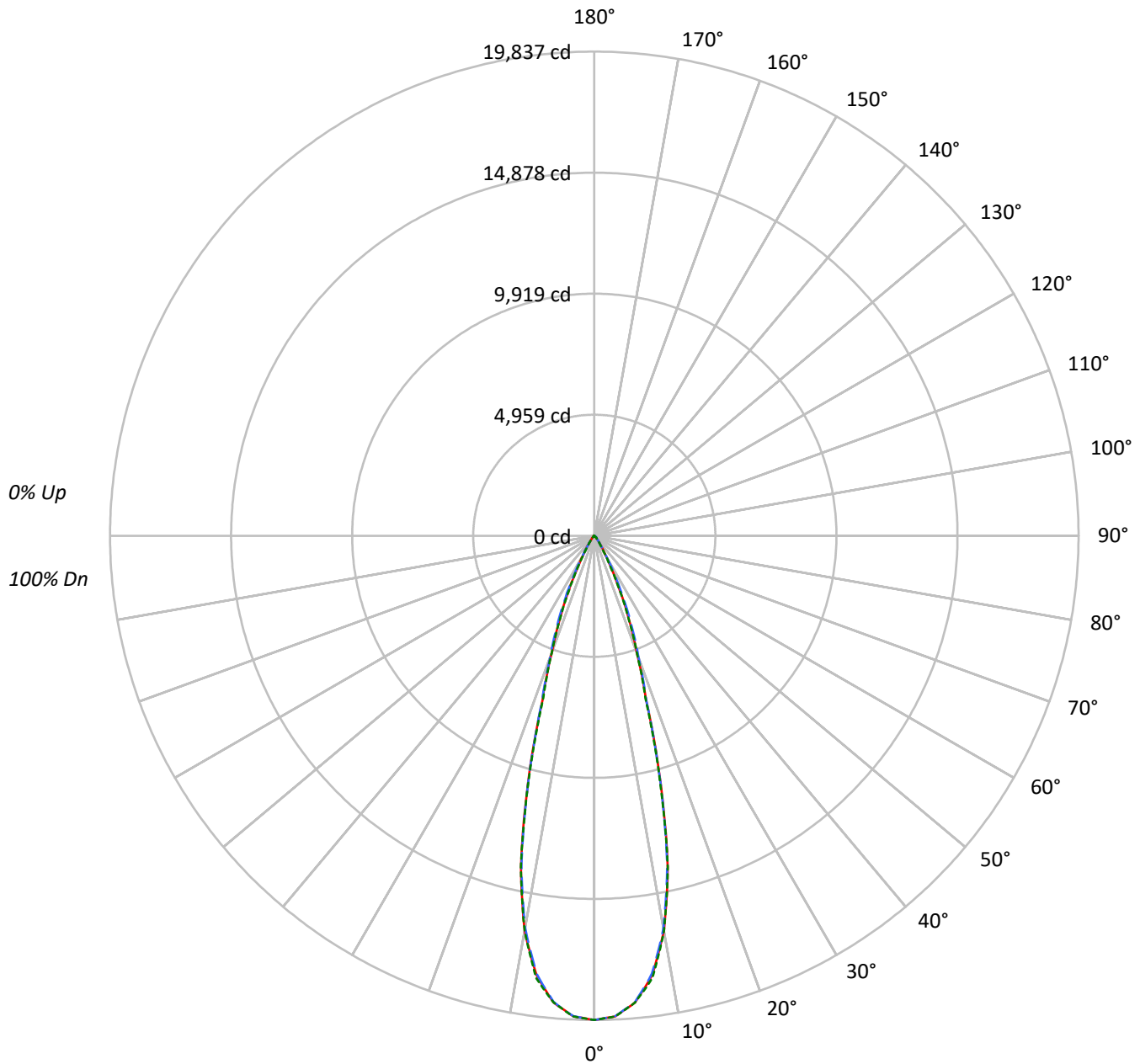


Downlight

TEST NUMBER: P750676

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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°	1518407	1518407	1518407
5°	1474817	1473096	1474894
10°	1277413	1268405	1277117
15°	833452	828975	824807
20°	414439	429989	413877
25°	208768	235413	204486
30°	83585	91072	72829
35°	38769	37134	31126
40°	16737	18585	15767
45°	11810	14657	11918
50°	4061	10670	4287
55°	2335	4417	2469
60°	1638	1944	1638
65°	1050	1050	1050
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14657 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1744.4	28.3
10°-20°	2809.3	45.5
20°-30°	1214.0	19.7
30°-40°	276.7	4.5
40°-50°	95.0	1.5
50°-60°	23.2	0.4
60°-70°	6.0	0.1
70°-80°	0.6	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°	5767.7	93.5
0°-40°	6044.4	98.0
0°-60°	6162.6	99.9
0°-90°	6169.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6169.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19837	19837	19837	19837	19837	
5°	19194	19176	19172	19212	19195	1746
15°	10518	10391	10461	10427	10408	2816
25°	2472	2565	2787	2500	2421	1183
35°	415	424	397	394	333	281
45°	109	135	135	135	110	77
55°	18	18	33	20	18	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19837.2	19837.2	19837.2	19837.2	19837.2
2.5°	19705.7	19692.1	19699.9	19709.6	19713.5
5°	19194.4	19175.9	19172.0	19212.0	19195.4
7.5°	18163.0	18136.7	18096.8	18187.4	18272.1
10°	16435.2	16406.0	16319.3	16362.2	16431.4
12.5°	13884.5	13790.0	13788.1	13924.4	13905.9
15°	10517.6	10391.0	10461.1	10427.0	10408.5
17.5°	7072.8	7024.1	7117.6	7089.3	6967.6
20°	5087.9	5100.5	5278.8	5189.2	5081.0
22.5°	3712.7	3758.4	3969.8	3739.0	3654.2
25°	2471.9	2565.4	2787.4	2500.1	2421.2
27.5°	1520.3	1563.2	1788.2	1500.8	1458.0
30°	945.7	924.3	1030.4	884.3	824.0
32.5°	620.4	593.1	627.2	562.9	514.2
35°	414.9	423.7	397.4	394.4	333.1
37.5°	259.1	298.0	263.0	280.5	214.3
40°	167.5	216.2	186.0	205.5	157.8
42.5°	137.3	166.5	152.9	162.6	140.2
45°	109.1	135.4	135.4	135.4	110.1
47.5°	60.4	90.6	115.9	92.5	64.3
50°	34.1	45.8	89.6	47.7	36.0
52.5°	23.4	26.3	61.4	27.3	24.3
55°	17.5	18.5	33.1	19.5	18.5
57.5°	13.6	14.6	17.5	14.6	13.6
60°	10.7	10.7	12.7	11.7	10.7
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.8	5.8	5.8	5.8	5.8
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	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)