

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: P750663

Luminaire Tested: LD4D60D010-EU4DR3055659027-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750663
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-EU4DR3055659027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5988.3 lumens
Efficiency: N/A
Efficacy: 93.0 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

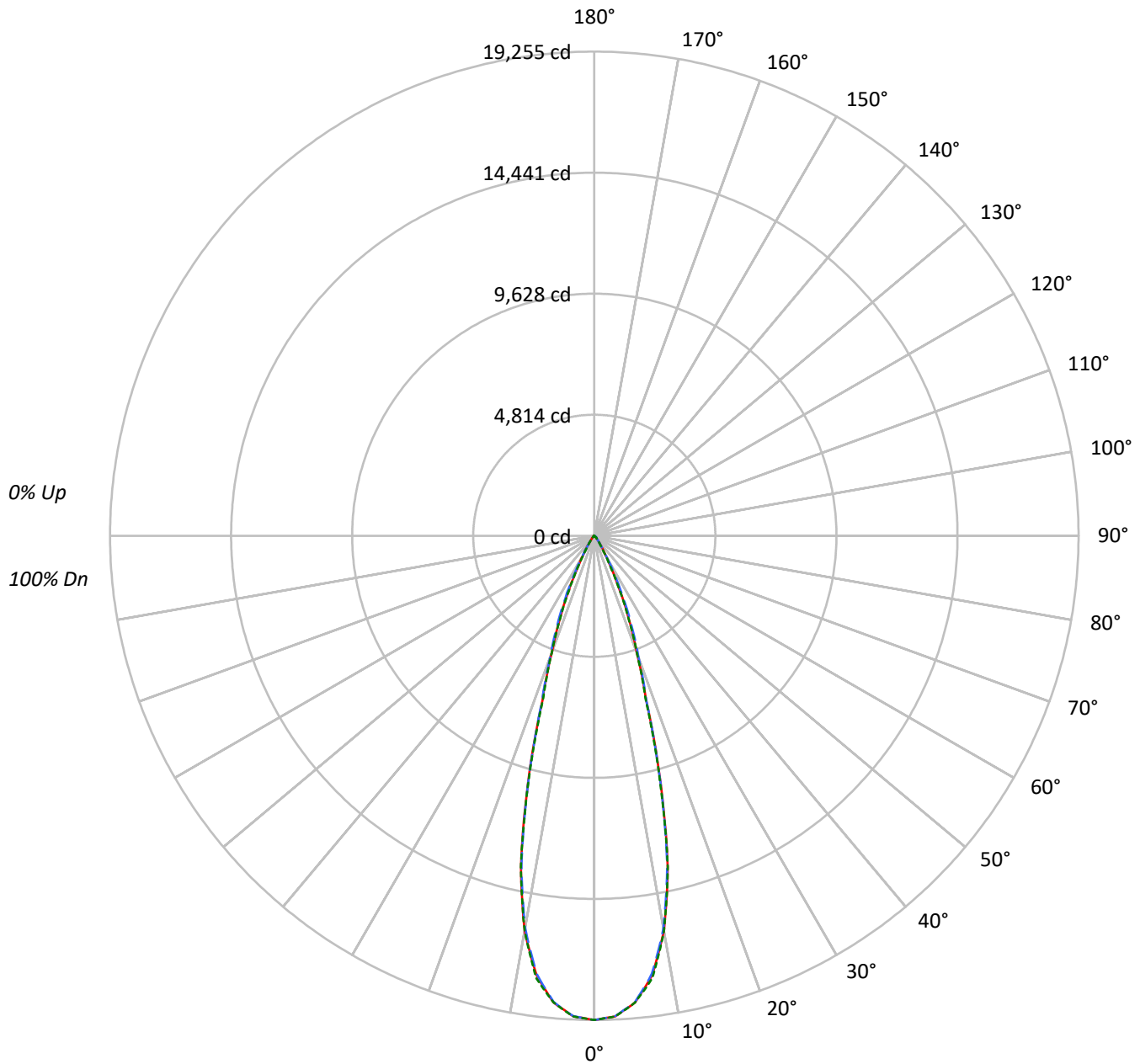


Downlight

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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°	1473866	1473866	1473866
5°	1431558	1429883	1431627
10°	1239942	1231198	1239654
15°	809005	804655	800613
20°	402278	417371	401740
25°	202644	228513	198489
30°	81137	88402	70690
35°	37629	36041	30210
40°	16247	18046	15308
45°	11464	14224	11561
50°	3942	10360	4168
55°	2269	4284	2402
60°	1592	1883	1592
65°	1032	1032	1032
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14224 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1693.2	28.3
10°-20°	2726.9	45.5
20°-30°	1178.4	19.7
30°-40°	268.6	4.5
40°-50°	92.2	1.5
50°-60°	22.5	0.4
60°-70°	5.9	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°	5598.5	93.5
0°-40°	5867.1	98.0
0°-60°	5981.9	99.9
0°-90°	5988.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5988.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19255	19255	19255	19255	19255	
5°	18631	18613	18610	18648	18632	1695
15°	10209	10086	10154	10121	10103	2734
25°	2399	2490	2706	2427	2350	1148
35°	403	411	386	383	323	273
45°	106	131	131	131	107	75
55°	17	18	32	19	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°	19255.3	19255.3	19255.3	19255.3	19255.3
2.5°	19127.7	19114.5	19122.0	19131.5	19135.3
5°	18631.4	18613.4	18609.6	18648.4	18632.3
7.5°	17630.2	17604.7	17566.0	17653.9	17736.1
10°	15953.1	15924.8	15840.6	15882.2	15949.4
12.5°	13477.2	13385.5	13383.6	13516.0	13498.0
15°	10209.1	10086.2	10154.2	10121.1	10103.2
17.5°	6865.3	6818.0	6908.8	6881.4	6763.2
20°	4938.6	4950.9	5123.9	5036.9	4932.0
22.5°	3603.8	3648.2	3853.3	3629.3	3547.0
25°	2399.4	2490.1	2705.7	2426.8	2350.2
27.5°	1475.7	1517.3	1735.7	1456.8	1415.2
30°	918.0	897.2	1000.2	858.4	799.8
32.5°	602.2	575.7	608.8	546.4	499.2
35°	402.7	411.2	385.7	382.9	323.3
37.5°	251.5	289.3	255.3	272.3	208.0
40°	162.6	209.9	180.6	199.5	153.2
42.5°	133.3	161.7	148.4	157.9	136.1
45°	105.9	131.4	131.4	131.4	106.8
47.5°	58.6	87.9	112.5	89.8	62.4
50°	33.1	44.4	87.0	46.3	35.0
52.5°	22.7	25.5	59.6	26.5	23.6
55°	17.0	18.0	32.1	18.9	18.0
57.5°	13.2	14.2	17.0	14.2	13.2
60°	10.4	10.4	12.3	11.3	10.4
62.5°	7.6	7.6	8.5	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.8	3.8	3.8	3.8	3.8
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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)