

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: P1180087

Luminaire Tested: LDA2B209727R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B209727R2060D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

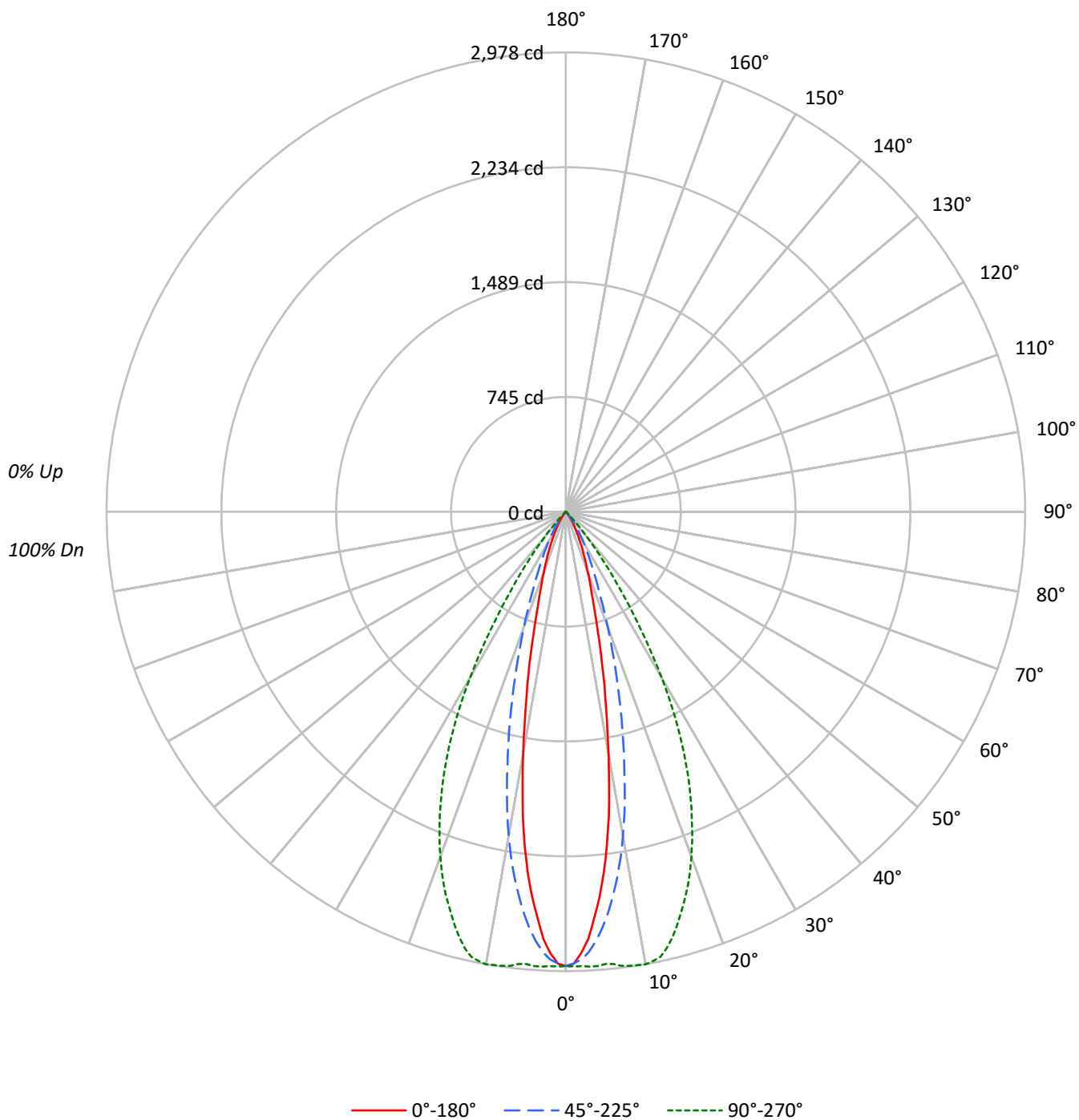
Lumens per Lamp: N/A
Luminaire Lumens: 1173.2 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	93	86	81	77	92	85	81	77	84	80	77		82	79	76		81	78	76	74
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78	75	72	71
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70	66	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1453246	1453246	1453246
5°	1241038	1341424	1457411
10°	799001	1069376	1492147
15°	409838	713233	1419929
20°	218883	416817	1248929
25°	122047	228524	1015893
30°	65058	130173	707663
35°	28368	62758	368899
40°	8308	18419	139756
45°	2023	4954	20932
50°	1075	1075	2226
55°	1204	1204	1204
60°	0	1381	1381
65°	0	1634	1634
70°	0	2019	2019
75°	0	2669	2669
80°	0	3978	3978
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 20932 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.1	20.7
10°-20°	442.6	37.7
20°-30°	335.5	28.6
30°-40°	134.2	11.4
40°-50°	13.6	1.2
50°-60°	1.4	0.1
60°-70°	1.2	0.1
70°-80°	1.2	0.1
80°-90°	0.4	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°	1021.2	87.0
0°-40°	1155.4	98.5
0°-60°	1170.4	99.8
0°-90°	1173.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1173.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2946	2946	2946	2946	2946	
5°	2506	2562	2709	2866	2943	210
15°	802	931	1396	2299	2780	230
25°	224	261	420	1199	1866	106
35°	47	58	104	317	612	32
45°	3	4	7	14	30	3
55°	1	1	1	1	1	1
65°	0	1	1	1	1	0
75°	0	1	1	1	1	0
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°	2945.6	2945.6	2945.6	2945.6	2945.6
1°	2929.9	2931.3	2928.5	2932.8	2947.1
2°	2864.2	2885.7	2904.2	2922.8	2947.1
3°	2772.9	2798.6	2857.1	2915.6	2952.8
4°	2638.6	2691.5	2791.4	2898.5	2952.8
5°	2505.9	2561.5	2708.6	2865.7	2942.8
6°	2354.5	2434.5	2612.9	2834.3	2948.5
7°	2183.2	2281.7	2507.3	2814.3	2965.6
8°	1997.5	2108.9	2391.6	2771.4	2972.8
9°	1791.9	1927.6	2268.8	2720.0	2975.6
10°	1594.9	1737.7	2134.6	2661.5	2978.5
11°	1397.9	1546.3	1989.0	2604.4	2967.0
12°	1230.8	1372.2	1836.2	2544.4	2949.9
13°	1076.6	1213.7	1684.8	2473.0	2905.6
14°	933.8	1068.0	1539.2	2390.2	2847.1
15°	802.4	930.9	1396.4	2298.8	2780.0
16°	683.9	803.9	1259.4	2197.4	2705.8
17°	598.3	693.9	1130.8	2090.4	2632.9
18°	531.2	602.5	1009.5	1984.7	2555.8
19°	471.2	528.3	896.7	1874.7	2470.2
20°	416.9	468.3	793.9	1760.5	2378.8
21°	371.2	415.5	698.2	1647.7	2286.0
22°	331.3	369.8	612.5	1536.4	2184.6
23°	294.1	328.4	539.7	1423.6	2083.2
24°	258.4	295.6	475.5	1309.3	1977.6
25°	224.2	261.3	419.8	1199.4	1866.2
26°	197.0	231.3	372.7	1092.3	1750.5
27°	169.9	205.6	331.3	989.5	1633.4
28°	148.5	181.3	294.1	891.0	1506.4
29°	128.5	159.9	259.9	793.9	1376.4
30°	114.2	138.5	228.5	702.5	1242.2
32.5°	78.5	92.8	159.9	494.0	906.7
35°	47.1	58.5	104.2	317.0	612.5
37.5°	25.7	31.4	60.0	189.9	385.5
40°	12.9	15.7	28.6	92.8	217.0
42.5°	5.7	7.1	12.9	35.7	92.8
45°	2.9	4.3	7.1	14.3	30.0
47.5°	1.4	2.9	2.9	5.7	8.6
50°	1.4	1.4	1.4	2.9	2.9
52.5°	1.4	1.4	1.4	2.9	2.9
55°	1.4	1.4	1.4	1.4	1.4
57.5°	0.0	1.4	1.4	1.4	1.4
60°	0.0	1.4	1.4	1.4	1.4
62.5°	0.0	1.4	1.4	1.4	1.4
65°	0.0	1.4	1.4	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.4	1.4	1.4	1.4
70°	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	1.4	1.4	1.4	1.4
75°	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	1.4	1.4	1.4	1.4
80°	0.0	0.0	1.4	1.4	1.4
82.5°	0.0	0.0	1.4	1.4	1.4
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

(END OF REPORT)