

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: P1180121

Luminaire Tested: LDA2B209730R2060D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180121
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: LDA2B209730R2060D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

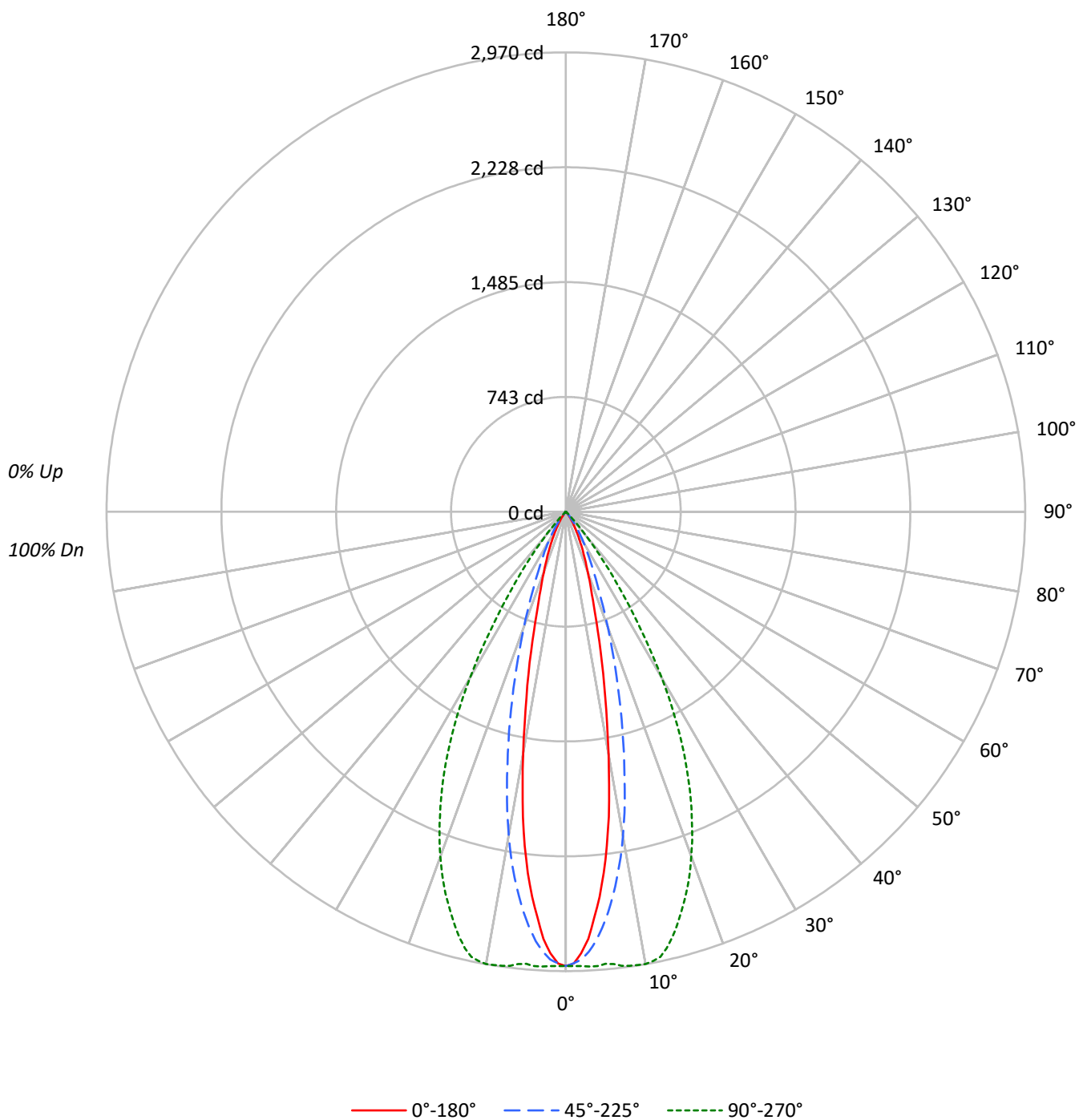
Lumens per Lamp: N/A
Luminaire Lumens: 1169.8 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1449053	1449053	1449053
5°	1237423	1337561	1453201
10°	796697	1066270	1487839
15°	408664	711190	1415843
20°	218253	415610	1245306
25°	121665	227871	1012953
30°	64887	129774	705612
35°	28307	62577	367875
40°	8244	18355	139370
45°	1954	4954	20862
50°	1075	1075	2149
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: 20862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	20.7
10°-20°	441.3	37.7
20°-30°	334.5	28.6
30°-40°	133.8	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°	1018.2	87.0
0°-40°	1152.1	98.5
0°-60°	1167.0	99.8
0°-90°	1169.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1169.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2937	2937	2937	2937	2937	
5°	2499	2554	2701	2857	2934	209
15°	800	928	1392	2292	2772	229
25°	224	260	419	1196	1861	106
35°	47	58	104	316	611	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°	2937.1	2937.1	2937.1	2937.1	2937.1
1°	2921.4	2922.9	2920.0	2924.3	2938.5
2°	2856.0	2877.3	2895.8	2914.3	2938.5
3°	2764.8	2790.5	2848.8	2907.2	2944.2
4°	2631.0	2683.7	2783.3	2890.1	2944.2
5°	2498.6	2554.1	2700.8	2857.4	2934.3
6°	2347.7	2427.4	2605.4	2826.1	2940.0
7°	2176.8	2275.1	2500.0	2806.1	2957.0
8°	1991.8	2102.8	2384.7	2763.4	2964.2
9°	1786.8	1922.0	2262.3	2712.2	2967.0
10°	1590.3	1732.7	2128.4	2653.8	2969.9
11°	1393.8	1541.9	1983.2	2596.8	2958.5
12°	1227.2	1368.2	1830.9	2537.0	2941.4
13°	1073.5	1210.2	1680.0	2465.9	2897.2
14°	931.1	1064.9	1534.8	2383.3	2838.9
15°	800.1	928.3	1392.4	2292.2	2772.0
16°	682.0	801.5	1255.7	2191.1	2697.9
17°	596.5	691.9	1127.6	2084.3	2625.3
18°	529.6	600.8	1006.6	1979.0	2548.4
19°	469.8	526.8	894.1	1869.3	2463.0
20°	415.7	467.0	791.6	1755.4	2371.9
21°	370.2	414.3	696.2	1643.0	2279.4
22°	330.3	368.7	610.8	1531.9	2178.3
23°	293.3	327.5	538.2	1419.4	2077.2
24°	257.7	294.7	474.1	1305.5	1971.8
25°	223.5	260.5	418.6	1195.9	1860.8
26°	196.5	230.6	371.6	1089.1	1745.5
27°	169.4	205.0	330.3	986.6	1628.7
28°	148.1	180.8	293.3	888.4	1502.0
29°	128.1	159.5	259.1	791.6	1372.5
30°	113.9	138.1	227.8	700.5	1238.6
32.5°	78.3	92.5	159.5	492.6	904.1
35°	47.0	58.4	103.9	316.1	610.8
37.5°	25.6	31.3	59.8	189.4	384.4
40°	12.8	15.7	28.5	92.5	216.4
42.5°	5.7	7.1	12.8	35.6	92.5
45°	2.8	4.3	7.1	14.2	29.9
47.5°	1.4	2.8	2.8	5.7	8.5
50°	1.4	1.4	1.4	2.8	2.8
52.5°	1.4	1.4	1.4	2.8	2.8
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)