

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: P1179690

Luminaire Tested: LDA2B208030R2060D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179690
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: LDA2B208030R2060D010 2LBD1B
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

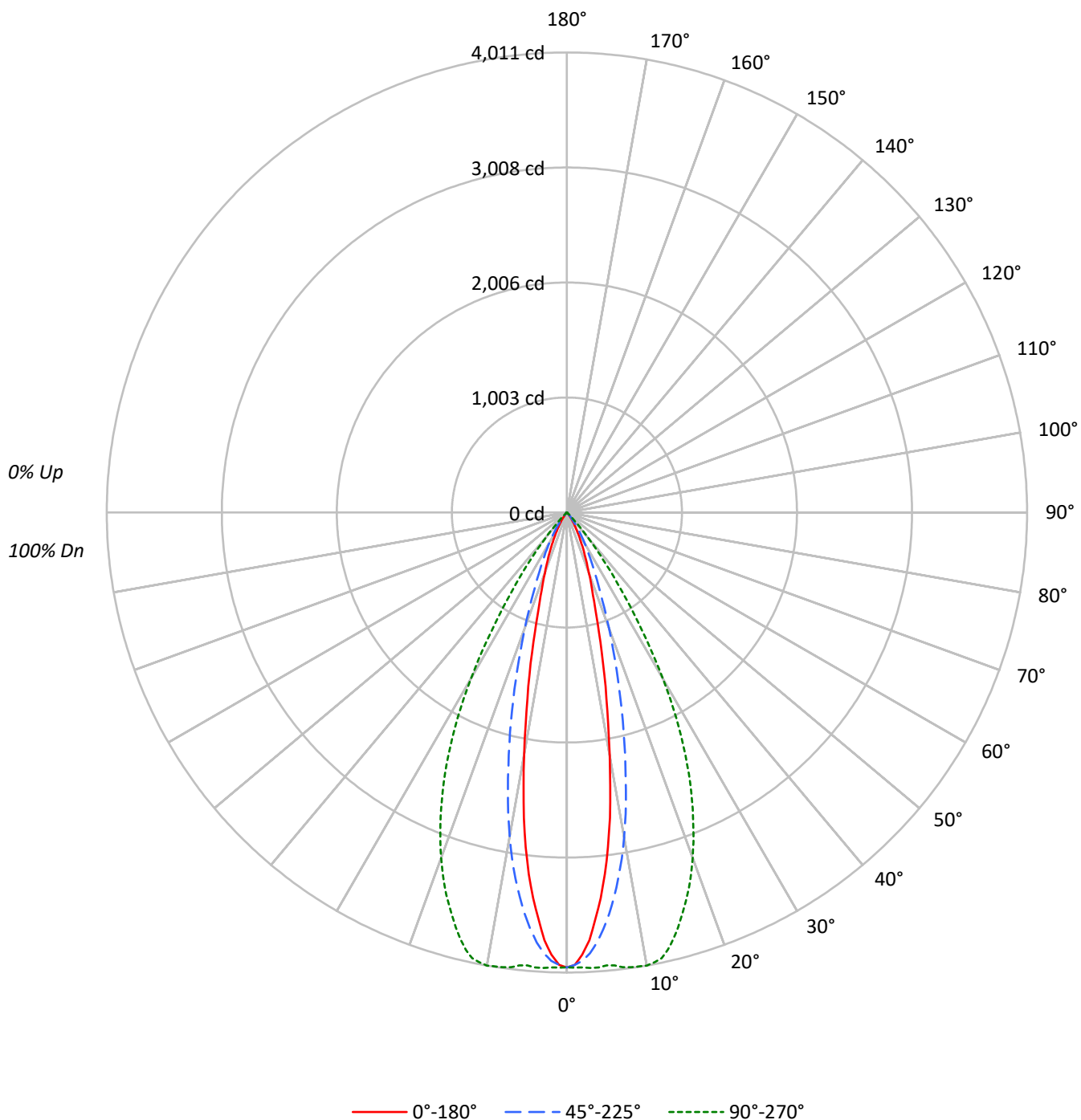
Lumens per Lamp: N/A
Luminaire Lumens: 1580.1 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179690

CATALOG NUMBER: LDA2B208030R2060D010 2LBD1B

Luminous Intensity Polar Plot



TEST NUMBER: P1179690

CATALOG NUMBER: LDA2B208030R2060D010 2LBD1B

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°	1957216	1957216	1957216
5°	1671357	1806609	1962760
10°	1076039	1440196	2009552
15°	551985	960597	1912307
20°	294801	561356	1682021
25°	164344	307784	1368151
30°	87618	175292	953083
35°	38245	84561	496884
40°	11142	24795	188252
45°	2651	6698	28188
50°	1458	1458	2917
55°	1634	1634	1634
60°	0	1875	1875
65°	0	2218	2218
70°	0	2741	2741
75°	0	3622	3622
80°	0	5398	5398
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 28188 cd/sqm

TEST NUMBER: P1179690

CATALOG NUMBER: LDA2B208030R2060D010 2LBD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.4	20.7
10°-20°	596.0	37.7
20°-30°	451.8	28.6
30°-40°	180.8	11.4
40°-50°	18.3	1.2
50°-60°	1.9	0.1
60°-70°	1.7	0.1
70°-80°	1.7	0.1
80°-90°	0.5	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°	1375.3	87.0
0°-40°	1556.1	98.5
0°-60°	1576.3	99.8
0°-90°	1580.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1580.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3967	3967	3967	3967	3967	
5°	3375	3450	3648	3859	3963	283
15°	1081	1254	1881	3096	3744	309
25°	302	352	565	1615	2513	143
35°	64	79	140	427	825	44
45°	4	6	10	19	40	4
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1179690

CATALOG NUMBER: LDA2B208030R2060D010 2LBD1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3967.1	3967.1	3967.1	3967.1	3967.1
1°	3945.9	3947.8	3944.0	3949.8	3969.0
2°	3857.5	3886.3	3911.3	3936.3	3969.0
3°	3734.4	3769.0	3847.8	3926.7	3976.7
4°	3553.6	3624.8	3759.4	3903.6	3976.7
5°	3374.8	3449.8	3647.9	3859.4	3963.2
6°	3171.0	3278.7	3519.0	3817.1	3970.9
7°	2940.2	3072.9	3376.7	3790.2	3994.0
8°	2690.2	2840.2	3221.0	3732.5	4003.6
9°	2413.3	2596.0	3055.6	3663.2	4007.5
10°	2147.9	2340.2	2874.8	3584.4	4011.3
11°	1882.6	2082.6	2678.7	3507.5	3995.9
12°	1657.6	1848.0	2472.9	3426.7	3972.8
13°	1449.9	1634.5	2269.1	3330.6	3913.2
14°	1257.6	1438.4	2073.0	3219.0	3834.4
15°	1080.7	1253.8	1880.7	3096.0	3744.0
16°	921.1	1082.6	1696.1	2959.4	3644.0
17°	805.7	934.6	1523.0	2815.2	3545.9
18°	715.3	811.5	1359.5	2672.9	3442.1
19°	634.6	711.5	1207.6	2524.8	3326.7
20°	561.5	630.7	1069.2	2371.0	3203.7
21°	500.0	559.6	940.3	2219.1	3078.7
22°	446.1	498.0	825.0	2069.1	2942.1
23°	396.1	442.3	726.9	1917.2	2805.6
24°	348.1	398.1	640.3	1763.4	2663.3
25°	301.9	351.9	565.4	1615.3	2513.3
26°	265.4	311.5	501.9	1471.1	2357.6
27°	228.8	276.9	446.1	1332.6	2199.9
28°	200.0	244.2	396.1	1199.9	2028.7
29°	173.1	215.4	350.0	1069.2	1853.7
30°	153.8	186.5	307.7	946.1	1673.0
32.5°	105.8	125.0	215.4	665.3	1221.1
35°	63.5	78.8	140.4	426.9	825.0
37.5°	34.6	42.3	80.8	255.8	519.2
40°	17.3	21.2	38.5	125.0	292.3
42.5°	7.7	9.6	17.3	48.1	125.0
45°	3.8	5.8	9.6	19.2	40.4
47.5°	1.9	3.8	3.8	7.7	11.5
50°	1.9	1.9	1.9	3.8	3.8
52.5°	1.9	1.9	1.9	3.8	3.8
55°	1.9	1.9	1.9	1.9	1.9
57.5°	0.0	1.9	1.9	1.9	1.9
60°	0.0	1.9	1.9	1.9	1.9
62.5°	0.0	1.9	1.9	1.9	1.9
65°	0.0	1.9	1.9	1.9	1.9



TEST NUMBER: P1179690

CATALOG NUMBER: LDA2B208030R2060D010 2LBD1B

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.9	1.9	1.9	1.9
70°	0.0	1.9	1.9	1.9	1.9
72.5°	0.0	1.9	1.9	1.9	1.9
75°	0.0	1.9	1.9	1.9	1.9
77.5°	0.0	1.9	1.9	1.9	1.9
80°	0.0	0.0	1.9	1.9	1.9
82.5°	0.0	0.0	1.9	1.9	1.9
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)