

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: P1179656

Luminaire Tested: LDA2B208027R2060D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179656
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: LDA2B208027R2060D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

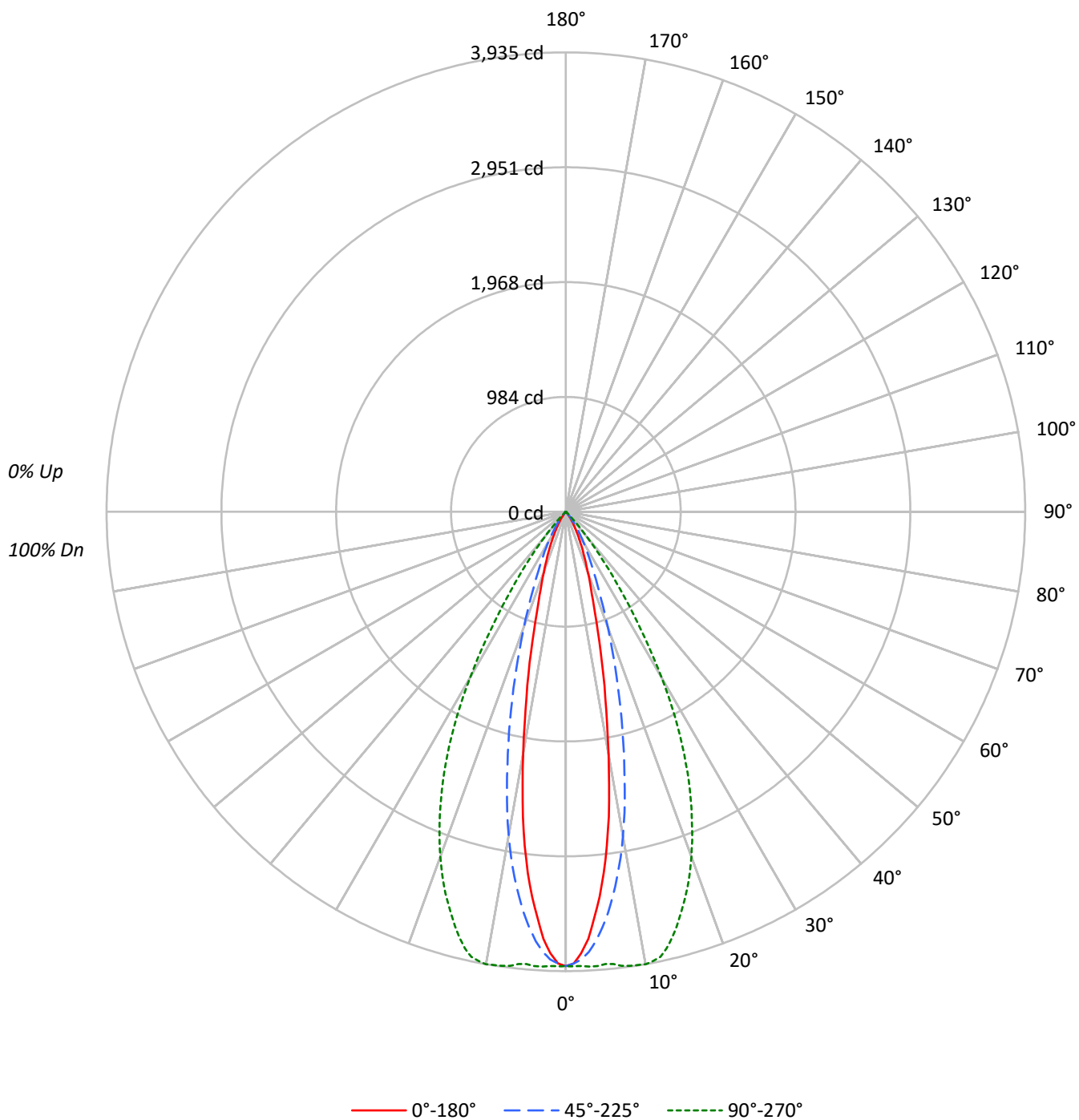
Lumens per Lamp: N/A
Luminaire Lumens: 1550.3 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1920164	1920164	1920164
5°	1639761	1772437	1925666
10°	1055700	1412943	1971528
15°	541565	942414	1876145
20°	289236	550698	1650205
25°	161241	301959	1342294
30°	85965	171988	935024
35°	37522	82934	487428
40°	10949	24280	184710
45°	2651	6559	27630
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: 27630 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.2	20.7
10°-20°	584.8	37.7
20°-30°	443.3	28.6
30°-40°	177.4	11.4
40°-50°	18.0	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°	1349.3	87.0
0°-40°	1526.6	98.5
0°-60°	1546.5	99.8
0°-90°	1550.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1550.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3892	3892	3892	3892	3892	
5°	3311	3384	3579	3786	3888	277
15°	1060	1230	1845	3037	3673	303
25°	296	345	555	1585	2466	140
35°	62	77	138	419	809	43
45°	4	6	9	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3892.0	3892.0	3892.0	3892.0	3892.0
1°	3871.3	3873.2	3869.4	3875.1	3893.9
2°	3784.5	3812.8	3837.3	3861.8	3893.9
3°	3663.8	3697.7	3775.1	3852.4	3901.5
4°	3486.4	3556.2	3688.3	3829.8	3901.5
5°	3311.0	3384.5	3578.9	3786.4	3888.3
6°	3111.0	3216.6	3452.5	3744.9	3895.8
7°	2884.6	3014.8	3312.8	3718.5	3918.4
8°	2639.3	2786.5	3160.0	3661.9	3927.9
9°	2367.7	2546.9	2997.8	3594.0	3931.6
10°	2107.3	2296.0	2820.4	3516.6	3935.4
11°	1847.0	2043.2	2628.0	3441.1	3920.3
12°	1626.2	1813.0	2426.2	3361.9	3897.7
13°	1422.5	1603.6	2226.2	3267.6	3839.2
14°	1233.8	1411.2	2033.7	3158.1	3761.9
15°	1060.3	1230.1	1845.1	3037.4	3673.2
16°	903.7	1062.1	1664.0	2903.5	3575.1
17°	790.5	916.9	1494.2	2762.0	3478.9
18°	701.8	796.1	1333.8	2622.4	3377.0
19°	622.6	698.0	1184.8	2477.1	3263.8
20°	550.9	618.8	1048.9	2326.2	3143.1
21°	490.5	549.0	922.5	2177.1	3020.4
22°	437.7	488.6	809.3	2030.0	2886.5
23°	388.6	433.9	713.1	1880.9	2752.5
24°	341.5	390.5	628.2	1730.0	2612.9
25°	296.2	345.2	554.7	1584.7	2465.8
26°	260.3	305.6	492.4	1443.2	2313.0
27°	224.5	271.7	437.7	1307.4	2158.3
28°	196.2	239.6	388.6	1177.2	1990.4
29°	169.8	211.3	343.4	1048.9	1818.7
30°	150.9	183.0	301.9	928.2	1641.3
32.5°	103.8	122.6	211.3	652.8	1198.0
35°	62.3	77.4	137.7	418.8	809.3
37.5°	34.0	41.5	79.2	250.9	509.4
40°	17.0	20.8	37.7	122.6	286.8
42.5°	7.5	9.4	17.0	47.2	122.6
45°	3.8	5.7	9.4	18.9	39.6
47.5°	1.9	3.8	3.8	7.5	11.3
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



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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)