

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: P1179661

Luminaire Tested: LDA2B208027R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179661
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 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

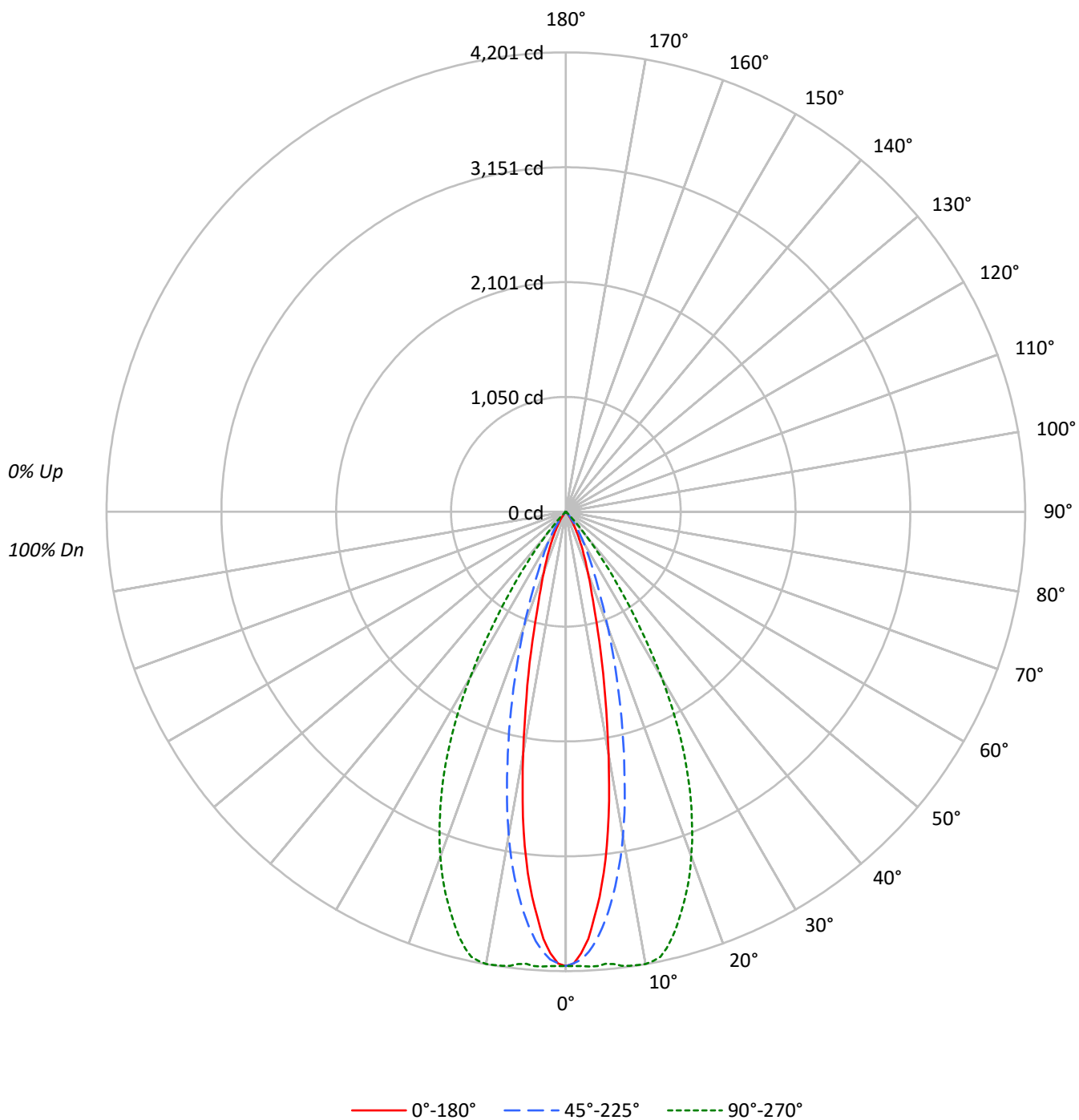
Lumens per Lamp: N/A
Luminaire Lumens: 1654.7 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	2049573	2049573	2049573
5°	1750201	1891841	2055371
10°	1126838	1508178	2104386
15°	578034	1005902	2002559
20°	308714	587818	1761353
25°	172128	322264	1432713
30°	91776	183553	998031
35°	40052	88536	520313
40°	11657	25955	197140
45°	2791	7047	29514
50°	1535	1535	3070
55°	1720	1720	1720
60°	0	1973	1973
65°	0	2335	2335
70°	0	2885	2885
75°	0	3812	3812
80°	0	5682	5682
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 29514 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.9	20.7
10°-20°	624.2	37.7
20°-30°	473.2	28.6
30°-40°	189.3	11.4
40°-50°	19.2	1.2
50°-60°	2.0	0.1
60°-70°	1.7	0.1
70°-80°	1.8	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°	1440.2	87.0
0°-40°	1629.5	98.5
0°-60°	1650.7	99.8
0°-90°	1654.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1654.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4154	4154	4154	4154	4154	
5°	3534	3613	3820	4042	4150	296
15°	1132	1313	1969	3242	3921	324
25°	316	368	592	1692	2632	150
35°	66	83	147	447	864	46
45°	4	6	10	20	42	5
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°	4154.3	4154.3	4154.3	4154.3	4154.3
1°	4132.1	4134.1	4130.1	4136.1	4156.3
2°	4039.5	4069.7	4095.9	4122.0	4156.3
3°	3910.6	3946.9	4029.4	4112.0	4164.3
4°	3721.3	3795.8	3936.8	4087.8	4164.3
5°	3534.0	3612.6	3820.0	4041.5	4150.2
6°	3320.6	3433.4	3685.1	3997.2	4158.3
7°	3079.0	3217.9	3536.1	3969.0	4182.5
8°	2817.2	2974.2	3373.0	3908.6	4192.5
9°	2527.2	2718.5	3199.8	3836.1	4196.6
10°	2249.3	2450.7	3010.5	3753.5	4200.6
11°	1971.4	2180.8	2805.1	3673.0	4184.5
12°	1735.8	1935.2	2589.6	3588.4	4160.3
13°	1518.3	1711.6	2376.2	3487.7	4097.9
14°	1317.0	1506.2	2170.8	3370.9	4015.3
15°	1131.7	1312.9	1969.4	3242.1	3920.7
16°	964.6	1133.7	1776.1	3099.1	3816.0
17°	843.7	978.7	1594.9	2948.1	3713.3
18°	749.1	849.8	1423.7	2799.0	3604.5
19°	664.5	745.1	1264.6	2644.0	3483.7
20°	588.0	660.5	1119.6	2482.9	3354.8
21°	523.6	586.0	984.7	2323.8	3223.9
22°	467.2	521.5	863.9	2166.7	3081.0
23°	414.8	463.2	761.2	2007.7	2938.0
24°	364.5	416.8	670.6	1846.6	2789.0
25°	316.2	368.5	592.0	1691.5	2631.9
26°	277.9	326.2	525.6	1540.5	2468.8
27°	239.6	290.0	467.2	1395.5	2303.7
28°	209.4	255.7	414.8	1256.6	2124.5
29°	181.2	225.5	366.5	1119.6	1941.2
30°	161.1	195.3	322.2	990.7	1751.9
32.5°	110.8	130.9	225.5	696.7	1278.7
35°	66.5	82.6	147.0	447.0	863.9
37.5°	36.2	44.3	84.6	267.8	543.7
40°	18.1	22.2	40.3	130.9	306.1
42.5°	8.1	10.1	18.1	50.3	130.9
45°	4.0	6.0	10.1	20.1	42.3
47.5°	2.0	4.0	4.0	8.1	12.1
50°	2.0	2.0	2.0	4.0	4.0
52.5°	2.0	2.0	2.0	4.0	4.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	0.0	2.0	2.0	2.0	2.0
60°	0.0	2.0	2.0	2.0	2.0
62.5°	0.0	2.0	2.0	2.0	2.0
65°	0.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	2.0	2.0	2.0	2.0
70°	0.0	2.0	2.0	2.0	2.0
72.5°	0.0	2.0	2.0	2.0	2.0
75°	0.0	2.0	2.0	2.0	2.0
77.5°	0.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	2.0	2.0	2.0
82.5°	0.0	0.0	2.0	2.0	2.0
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

(END OF REPORT)