

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: P1179851

Luminaire Tested: LDA2B209024R2060D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179851
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: LDA2B209024R2060D010 2LBD1WHH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

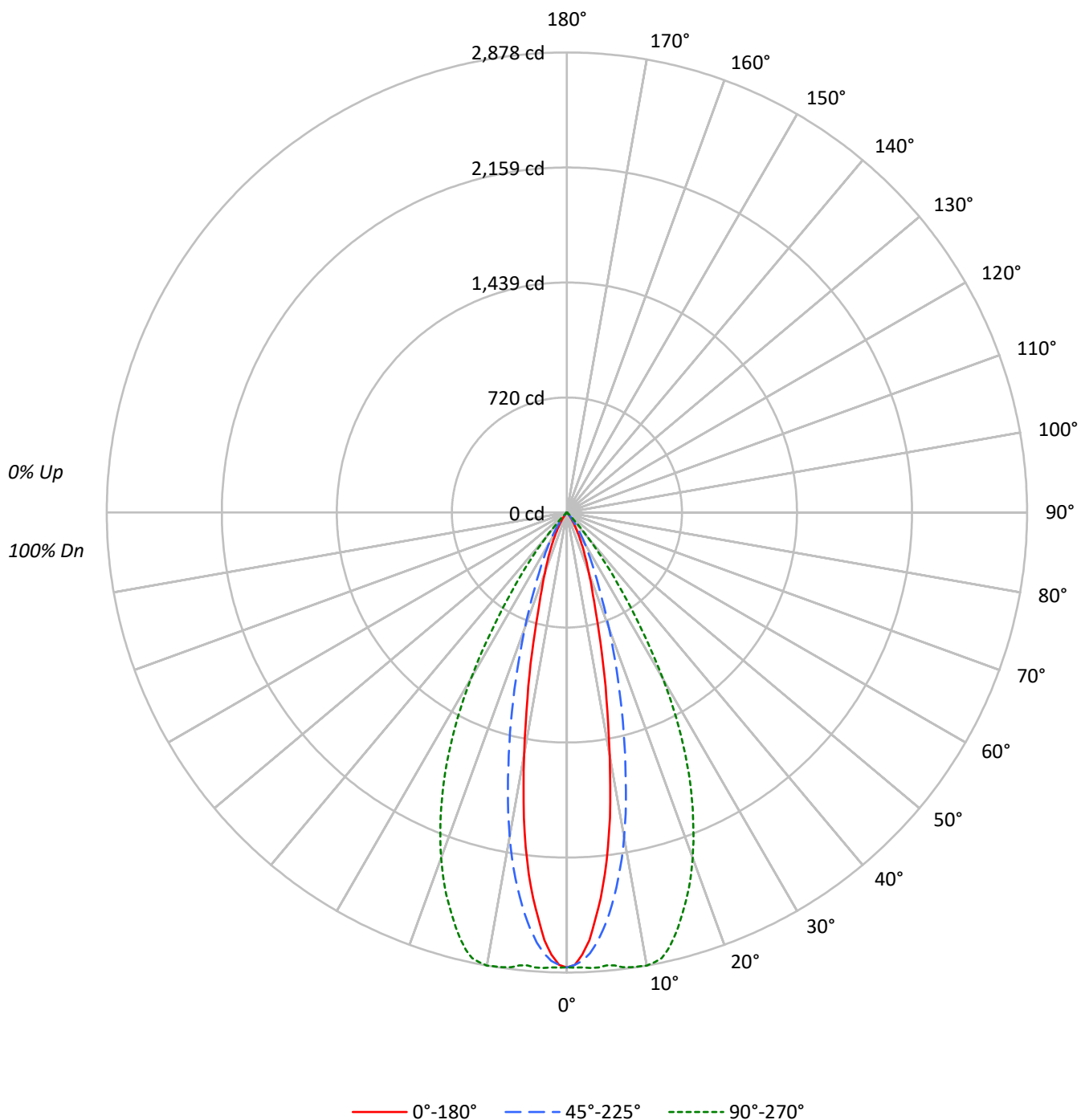
Lumens per Lamp: N/A
Luminaire Lumens: 1133.9 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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°	1404354	1404354	1404354
5°	1199239	1296307	1408332
10°	772099	1033406	1441900
15°	396048	689227	1372121
20°	211532	402799	1206874
25°	117909	220849	981707
30°	62893	125786	683850
35°	27404	60650	356492
40°	7986	17775	135055
45°	1954	4814	20234
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: 20234 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.9	20.7
10°-20°	427.7	37.7
20°-30°	324.2	28.6
30°-40°	129.7	11.4
40°-50°	13.2	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°	986.8	87.0
0°-40°	1116.5	98.5
0°-60°	1131.1	99.8
0°-90°	1133.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1133.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2846	2846	2846	2846	2846	
5°	2422	2475	2618	2769	2844	203
15°	775	900	1349	2222	2686	222
25°	217	252	406	1159	1803	103
35°	46	57	101	306	592	31
45°	3	4	7	14	29	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°	2846.5	2846.5	2846.5	2846.5	2846.5
1°	2831.3	2832.7	2829.9	2834.1	2847.9
2°	2767.8	2788.5	2806.5	2824.4	2847.9
3°	2679.5	2704.4	2761.0	2817.5	2853.4
4°	2549.8	2600.9	2697.5	2801.0	2853.4
5°	2421.5	2475.3	2617.5	2769.2	2843.7
6°	2275.3	2352.5	2525.0	2738.9	2849.3
7°	2109.7	2204.9	2422.9	2719.6	2865.8
8°	1930.3	2037.9	2311.1	2678.2	2872.7
9°	1731.6	1862.7	2192.5	2628.5	2875.5
10°	1541.2	1679.2	2062.8	2571.9	2878.2
11°	1350.8	1494.3	1922.0	2516.7	2867.2
12°	1189.4	1326.0	1774.4	2458.8	2850.6
13°	1040.4	1172.8	1628.1	2389.8	2807.9
14°	902.4	1032.1	1487.4	2309.8	2751.3
15°	775.4	899.6	1349.4	2221.5	2686.4
16°	660.9	776.8	1217.0	2123.5	2614.7
17°	578.1	670.6	1092.8	2020.0	2544.3
18°	513.3	582.3	975.5	1917.9	2469.8
19°	455.3	510.5	866.5	1811.7	2387.0
20°	402.9	452.6	767.2	1701.3	2298.7
21°	358.7	401.5	674.7	1592.3	2209.0
22°	320.1	357.4	591.9	1484.6	2111.1
23°	284.2	317.4	521.6	1375.6	2013.1
24°	249.7	285.6	459.5	1265.3	1911.0
25°	216.6	252.5	405.7	1159.0	1803.4
26°	190.4	223.5	360.1	1055.5	1691.6
27°	164.2	198.7	320.1	956.2	1578.5
28°	143.5	175.2	284.2	861.0	1455.7
29°	124.2	154.5	251.1	767.2	1330.1
30°	110.4	133.8	220.8	678.9	1200.4
32.5°	75.9	89.7	154.5	477.4	876.2
35°	45.5	56.6	100.7	306.3	591.9
37.5°	24.8	30.4	58.0	183.5	372.5
40°	12.4	15.2	27.6	89.7	209.7
42.5°	5.5	6.9	12.4	34.5	89.7
45°	2.8	4.1	6.9	13.8	29.0
47.5°	1.4	2.8	2.8	5.5	8.3
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)