

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: P1179813

Luminaire Tested: LDA2B208050R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179813
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: LDA2B208050R2060D010 2LBD1WMH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

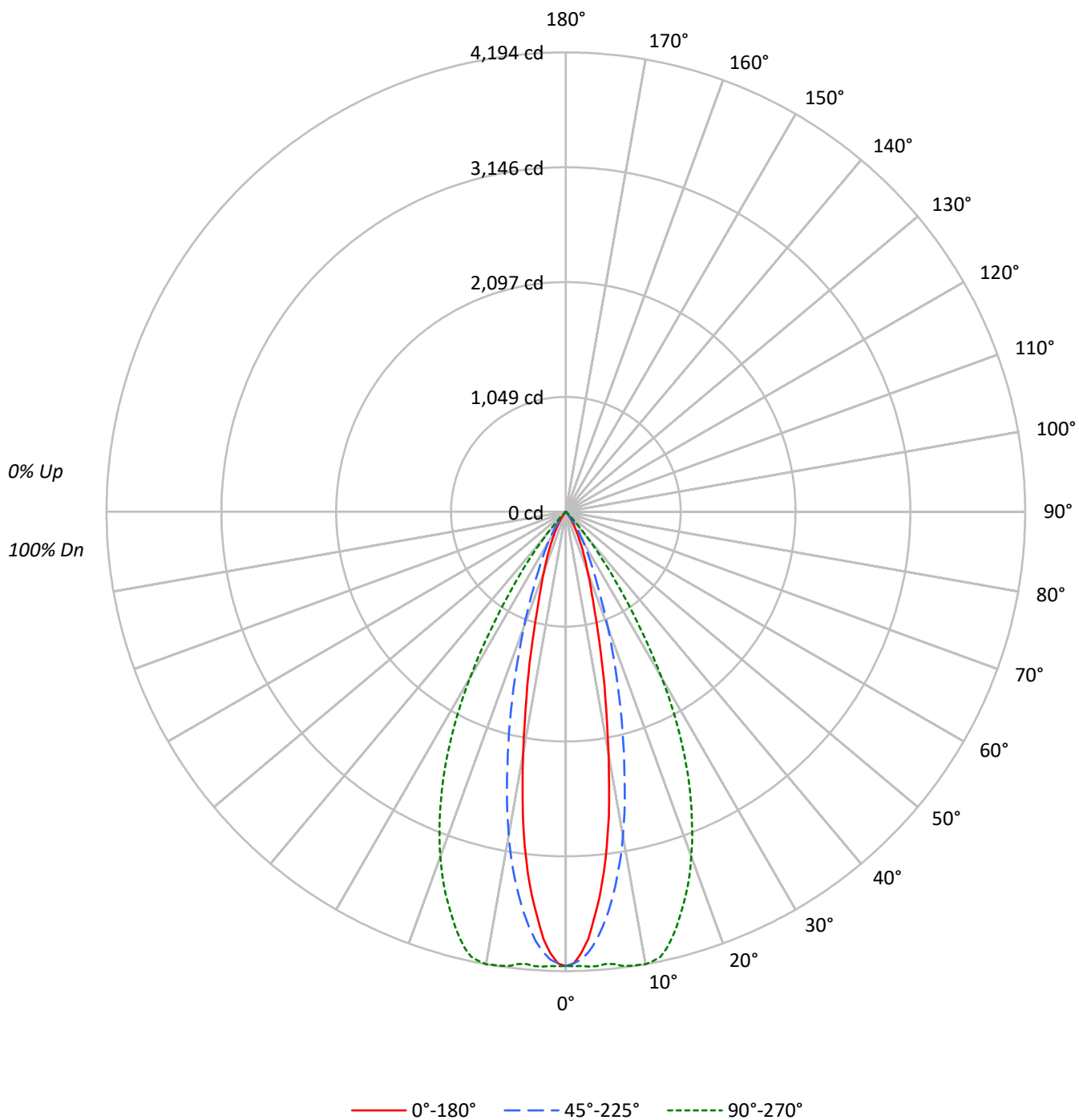
Lumens per Lamp: N/A
Luminaire Lumens: 1652.2 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2046415	2046415	2046415
5°	1747576	1888969	2052251
10°	1125135	1505874	2101180
15°	577165	1004370	1999495
20°	308242	586925	1758675
25°	171856	321774	1430535
30°	91662	183268	996493
35°	39992	88415	519530
40°	11657	25890	196818
45°	2791	7047	29444
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: 29444 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.3	20.7
10°-20°	623.2	37.7
20°-30°	472.4	28.6
30°-40°	189.0	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°	1438.0	87.0
0°-40°	1627.0	98.5
0°-60°	1648.1	99.8
0°-90°	1652.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1652.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4148	4148	4148	4148	4148	
5°	3529	3607	3814	4035	4144	295
15°	1130	1311	1966	3237	3915	323
25°	316	368	591	1689	2628	150
35°	66	82	147	446	863	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°	4147.9	4147.9	4147.9	4147.9	4147.9
1°	4125.8	4127.8	4123.8	4129.8	4149.9
2°	4033.3	4063.5	4089.6	4115.8	4149.9
3°	3904.6	3940.8	4023.3	4105.7	4158.0
4°	3715.6	3790.0	3930.8	4081.6	4158.0
5°	3528.7	3607.1	3814.2	4035.3	4143.9
6°	3315.5	3428.1	3679.5	3991.1	4151.9
7°	3074.3	3213.0	3530.7	3963.0	4176.1
8°	2812.9	2969.7	3367.8	3902.6	4186.1
9°	2523.3	2714.3	3194.9	3830.2	4190.2
10°	2245.9	2446.9	3005.9	3747.8	4194.2
11°	1968.4	2177.5	2800.8	3667.4	4178.1
12°	1733.2	1932.2	2585.7	3582.9	4154.0
13°	1516.0	1709.0	2372.5	3482.4	4091.6
14°	1315.0	1504.0	2167.5	3365.8	4009.2
15°	1130.0	1310.9	1966.4	3237.1	3914.7
16°	963.1	1132.0	1773.4	3094.4	3810.1
17°	842.5	977.2	1592.4	2943.6	3707.6
18°	748.0	848.5	1421.5	2794.8	3599.0
19°	663.5	743.9	1262.7	2640.0	3478.4
20°	587.1	659.5	1117.9	2479.1	3349.7
21°	522.8	585.1	983.2	2320.3	3219.0
22°	466.5	520.8	862.6	2163.4	3076.3
23°	414.2	462.4	760.0	2004.6	2933.5
24°	363.9	416.2	669.5	1843.7	2784.7
25°	315.7	367.9	591.1	1688.9	2627.9
26°	277.5	325.7	524.8	1538.1	2465.0
27°	239.3	289.5	466.5	1393.4	2300.2
28°	209.1	255.3	414.2	1254.6	2121.2
29°	181.0	225.2	365.9	1117.9	1938.2
30°	160.9	195.0	321.7	989.2	1749.2
32.5°	110.6	130.7	225.2	695.7	1276.7
35°	66.4	82.4	146.8	446.4	862.6
37.5°	36.2	44.2	84.4	267.4	542.9
40°	18.1	22.1	40.2	130.7	305.6
42.5°	8.0	10.1	18.1	50.3	130.7
45°	4.0	6.0	10.1	20.1	42.2
47.5°	2.0	4.0	4.0	8.0	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)