

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: P1179872

Luminaire Tested: LDA2B209027R2050D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B209027R2050D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

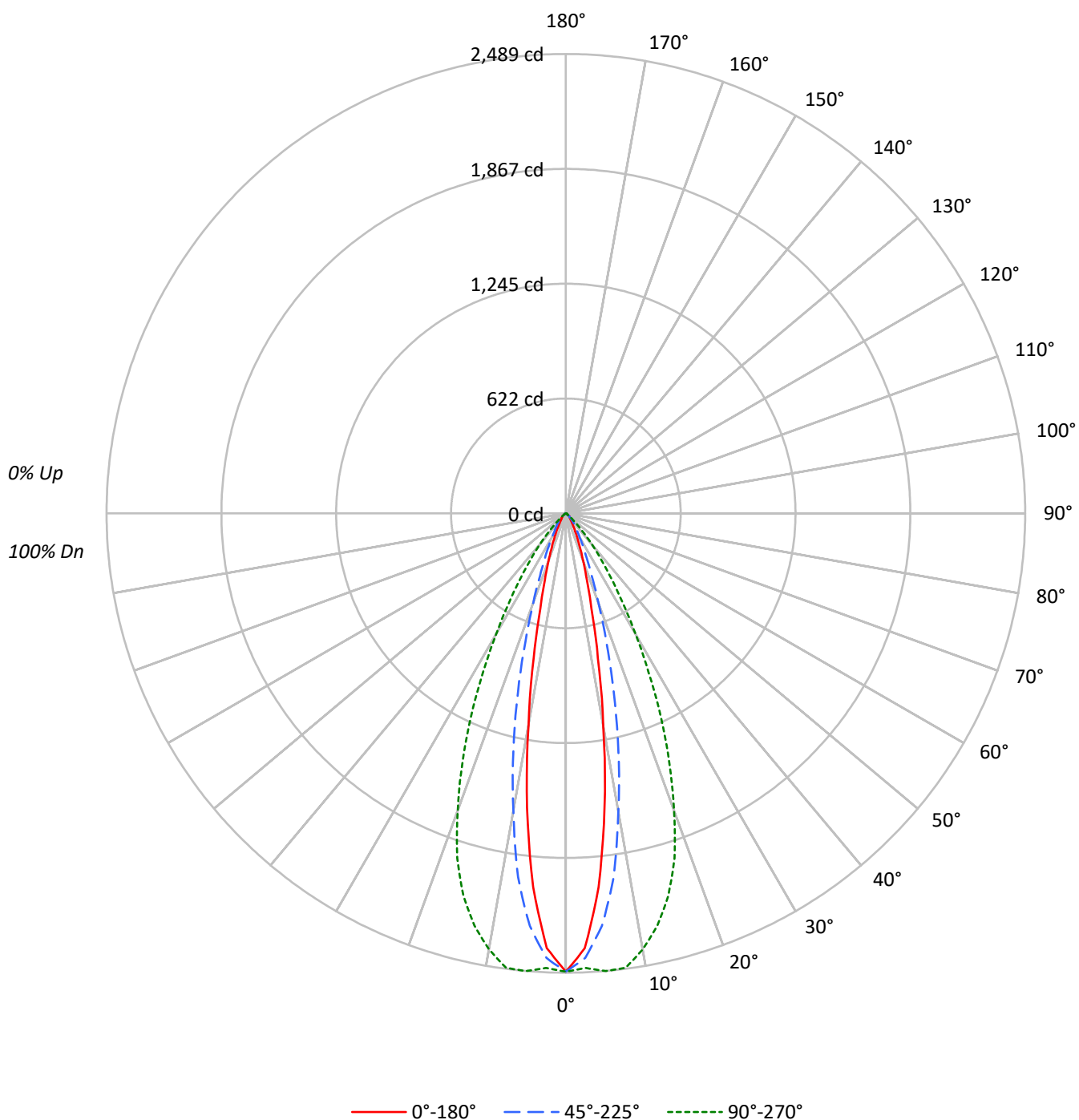
Lumens per Lamp: N/A
Luminaire Lumens: 892.5 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			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	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77	73	71	70
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74	70	68	67
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1224919	1224919	1224919
5°	1007083	1111184	1232718
10°	584585	821094	1201833
15°	272340	511379	1095235
20°	143489	269600	900207
25°	79477	145999	663961
30°	46600	85510	429429
35°	29933	57398	254405
40°	23314	38707	141366
45°	20234	23094	62864
50°	18267	15888	23026
55°	12472	11612	10666
60°	9177	8190	8190
65°	7238	6070	7238
70°	5914	5914	5914
75°	5909	5909	5909
80°	5966	5966	5966
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 62864 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	22.2
10°-20°	323.7	36.3
20°-30°	215.9	24.2
30°-40°	97.3	10.9
40°-50°	35.6	4.0
50°-60°	12.5	1.4
60°-70°	5.8	0.7
70°-80°	3.1	0.3
80°-90°	0.8	0.1
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°	737.3	82.6
0°-40°	834.6	93.5
0°-60°	882.7	98.9
0°-90°	892.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	892.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2483	2483	2483	2483	2483	
5°	2034	2097	2244	2407	2489	166
15°	533	626	1001	1692	2144	160
25°	146	170	268	731	1220	70
35°	50	56	95	206	422	33
45°	29	29	33	52	90	23
55°	14	14	14	11	12	14
65°	6	6	5	5	6	6
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2482.8	2482.8	2482.8	2482.8	2482.8
2.5°	2357.6	2382.4	2411.4	2441.4	2465.2
5°	2033.5	2096.6	2243.7	2407.3	2489.1
7.5°	1607.9	1701.1	1986.9	2309.9	2482.8
10°	1166.9	1285.9	1639.0	2141.2	2399.0
12.5°	802.4	914.2	1314.9	1927.9	2288.2
15°	533.2	626.4	1001.2	1691.8	2144.3
17.5°	375.8	439.0	727.9	1434.0	1958.9
20°	273.3	315.8	513.5	1181.4	1714.6
22.5°	198.8	230.9	365.5	944.3	1467.1
25°	146.0	169.8	268.2	731.0	1219.7
27.5°	108.7	127.4	200.9	555.0	972.2
30°	81.8	97.3	150.1	409.0	753.8
32.5°	63.2	73.5	114.9	292.0	570.5
35°	49.7	55.9	95.3	206.0	422.4
37.5°	41.4	45.6	78.7	143.9	309.6
40°	36.2	39.3	60.1	102.5	219.5
42.5°	32.1	34.2	43.5	73.5	142.9
45°	29.0	29.0	33.1	51.8	90.1
47.5°	26.9	23.8	25.9	36.2	52.8
50°	23.8	19.7	20.7	24.8	30.0
52.5°	18.6	16.6	16.6	16.6	17.6
55°	14.5	13.5	13.5	11.4	12.4
57.5°	11.4	11.4	10.4	9.3	10.4
60°	9.3	9.3	8.3	7.2	8.3
62.5°	7.2	7.2	6.2	6.2	7.2
65°	6.2	6.2	5.2	5.2	6.2
67.5°	5.2	5.2	5.2	4.1	5.2
70°	4.1	4.1	4.1	4.1	4.1
72.5°	3.1	3.1	4.1	3.1	3.1
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0
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)