

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: P1180041

Luminaire Tested: LDA2B209050R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180041
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: LDA2B209050R2060D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

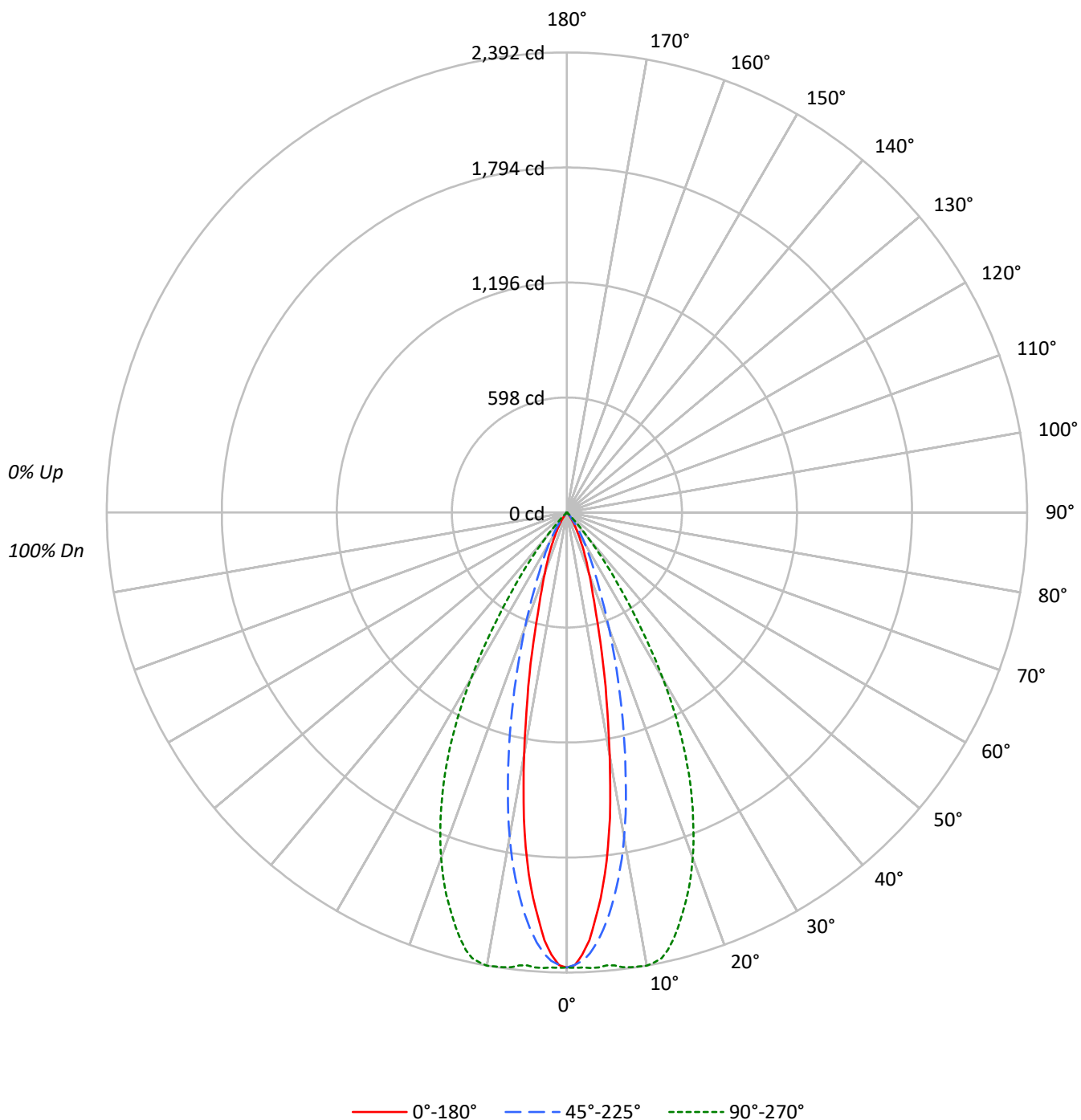
Lumens per Lamp: N/A
Luminaire Lumens: 942.3 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	83	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	67	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1167343	1167343	1167343
5°	996832	1077507	1170663
10°	641796	858968	1198577
15°	329240	572926	1140540
20°	175831	334808	1003217
25°	98040	183560	816002
30°	52297	104537	568432
35°	22766	50411	296323
40°	6634	14748	112256
45°	1605	3977	16815
50°	844	844	1765
55°	946	946	946
60°	0	1085	1085
65°	0	1284	1284
70°	0	1587	1587
75°	0	2097	2097
80°	0	3125	3125
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16815 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.3	20.7
10°-20°	355.5	37.7
20°-30°	269.5	28.6
30°-40°	107.8	11.4
40°-50°	10.9	1.2
50°-60°	1.1	0.1
60°-70°	1.0	0.1
70°-80°	1.0	0.1
80°-90°	0.3	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°	820.3	87.0
0°-40°	928.1	98.5
0°-60°	940.1	99.8
0°-90°	942.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	942.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2366	2366	2366	2366	2366	
5°	2013	2058	2176	2302	2364	169
15°	645	748	1122	1846	2233	184
25°	180	210	337	963	1499	85
35°	38	47	84	255	492	26
45°	2	3	6	12	24	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2366.1	2366.1	2366.1	2366.1	2366.1
1°	2353.5	2354.6	2352.3	2355.8	2367.2
2°	2300.7	2317.9	2332.8	2347.7	2367.2
3°	2227.3	2247.9	2295.0	2342.0	2371.8
4°	2119.5	2161.9	2242.2	2328.2	2371.8
5°	2012.8	2057.6	2175.7	2301.8	2363.8
6°	1891.3	1955.5	2098.8	2276.6	2368.4
7°	1753.6	1832.8	2014.0	2260.6	2382.1
8°	1604.5	1694.0	1921.1	2226.2	2387.9
9°	1439.4	1548.3	1822.4	2184.9	2390.2
10°	1281.1	1395.8	1714.6	2137.8	2392.5
11°	1122.8	1242.1	1597.6	2092.0	2383.3
12°	988.6	1102.2	1474.9	2043.8	2369.5
13°	864.8	974.9	1353.4	1986.4	2334.0
14°	750.1	857.9	1236.4	1919.9	2286.9
15°	644.6	747.8	1121.7	1846.5	2233.0
16°	549.4	645.7	1011.6	1765.1	2173.4
17°	480.6	557.4	908.4	1679.1	2114.9
18°	426.7	484.0	810.9	1594.2	2053.0
19°	378.5	424.4	720.3	1505.9	1984.2
20°	334.9	376.2	637.7	1414.1	1910.8
21°	298.2	333.8	560.8	1323.5	1836.2
22°	266.1	297.0	492.0	1234.1	1754.8
23°	236.3	263.8	433.5	1143.5	1673.3
24°	207.6	237.4	381.9	1051.7	1588.5
25°	180.1	209.9	337.2	963.4	1499.0
26°	158.3	185.8	299.3	877.4	1406.1
27°	136.5	165.2	266.1	794.8	1312.1
28°	119.3	145.7	236.3	715.7	1210.0
29°	103.2	128.5	208.7	637.7	1105.6
30°	91.8	111.3	183.5	564.3	997.8
32.5°	63.1	74.5	128.5	396.8	728.3
35°	37.8	47.0	83.7	254.6	492.0
37.5°	20.6	25.2	48.2	152.5	309.7
40°	10.3	12.6	22.9	74.5	174.3
42.5°	4.6	5.7	10.3	28.7	74.5
45°	2.3	3.4	5.7	11.5	24.1
47.5°	1.1	2.3	2.3	4.6	6.9
50°	1.1	1.1	1.1	2.3	2.3
52.5°	1.1	1.1	1.1	2.3	2.3
55°	1.1	1.1	1.1	1.1	1.1
57.5°	0.0	1.1	1.1	1.1	1.1
60°	0.0	1.1	1.1	1.1	1.1
62.5°	0.0	1.1	1.1	1.1	1.1
65°	0.0	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.1	1.1	1.1	1.1
70°	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	1.1	1.1	1.1	1.1
75°	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	1.1	1.1	1.1
82.5°	0.0	0.0	1.1	1.1	1.1
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)