

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: P1179729

Luminaire Tested: LDA2B208035R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179729
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: LDA2B208035R2060D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

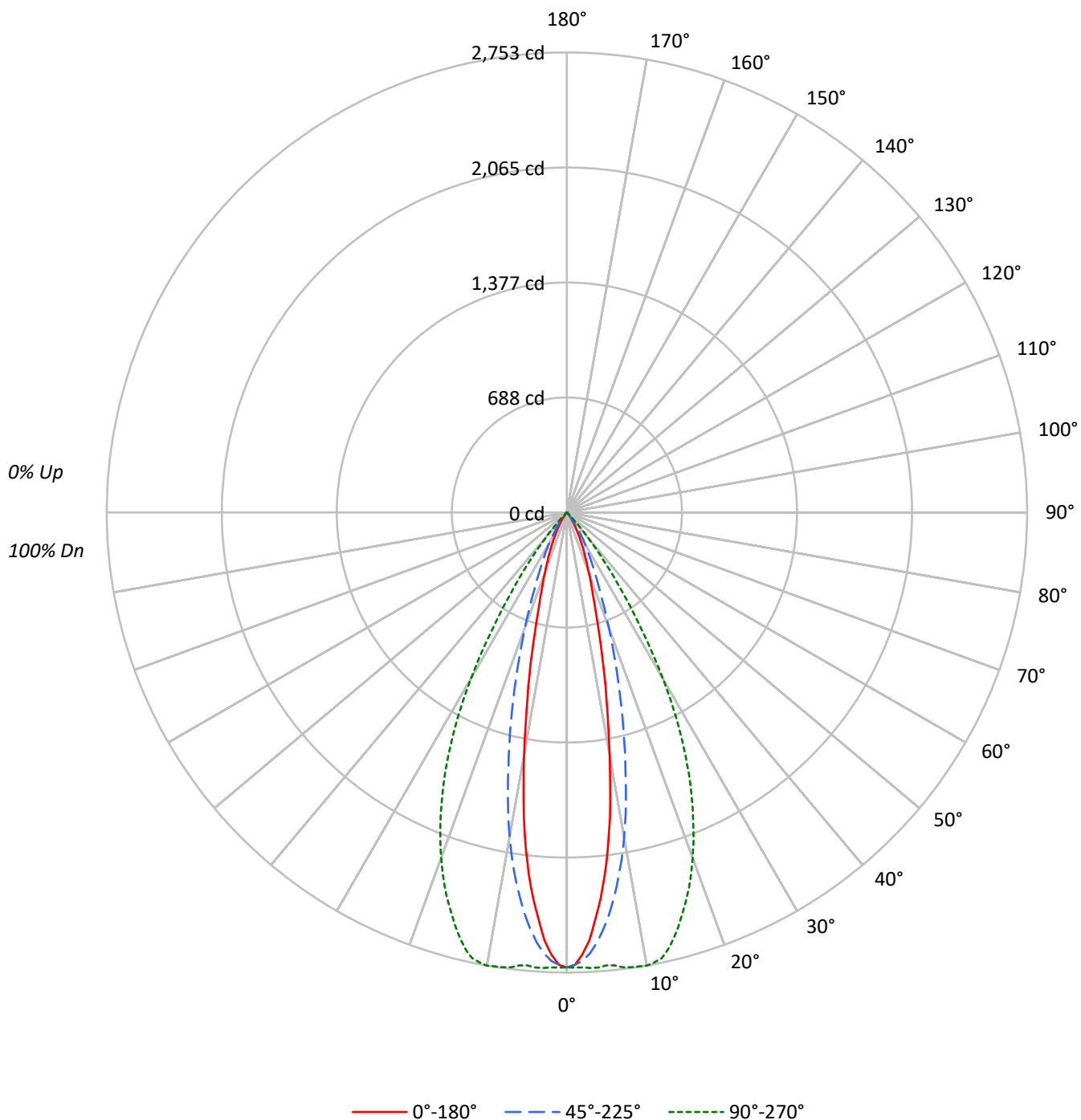
Lumens per Lamp: N/A
Luminaire Lumens: 1084.5 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1343375	1343375	1343375
5°	1147189	1239998	1347219
10°	738584	988519	1379328
15°	378886	659296	1312566
20°	202344	385316	1154477
25°	112792	211213	939083
30°	60159	120317	654169
35°	26260	58060	341013
40°	7664	17003	129194
45°	1814	4605	19327
50°	998	998	1996
55°	1118	1118	1118
60°	0	1283	1283
65°	0	1518	1518
70°	0	1875	1875
75°	0	2478	2478
80°	0	3694	3694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 19327 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	20.7
10°-20°	409.1	37.7
20°-30°	310.1	28.6
30°-40°	124.1	11.4
40°-50°	12.6	1.2
50°-60°	1.3	0.1
60°-70°	1.1	0.1
70°-80°	1.2	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°	944.0	87.0
0°-40°	1068.0	98.5
0°-60°	1081.9	99.8
0°-90°	1084.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2723	2723	2723	2723	2723	
5°	2316	2368	2504	2649	2720	194
15°	742	861	1291	2125	2570	212
25°	207	242	388	1109	1725	98
35°	44	54	96	293	566	30
45°	3	4	7	13	28	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°	2722.9	2722.9	2722.9	2722.9	2722.9
1°	2708.4	2709.7	2707.1	2711.0	2724.2
2°	2647.7	2667.5	2684.6	2701.8	2724.2
3°	2563.2	2587.0	2641.1	2695.2	2729.5
4°	2439.1	2488.0	2580.4	2679.4	2729.5
5°	2316.4	2367.9	2503.8	2649.0	2720.3
6°	2176.5	2250.4	2415.4	2620.0	2725.5
7°	2018.1	2109.2	2317.7	2601.5	2741.4
8°	1846.5	1949.5	2210.8	2561.9	2748.0
9°	1656.4	1781.8	2097.3	2514.4	2750.6
10°	1474.3	1606.3	1973.2	2460.3	2753.3
11°	1292.2	1429.4	1838.6	2407.5	2742.7
12°	1137.7	1268.4	1697.4	2352.0	2726.9
13°	995.2	1121.9	1557.5	2286.0	2686.0
14°	863.2	987.3	1422.8	2209.5	2631.8
15°	741.8	860.6	1290.8	2125.0	2569.8
16°	632.2	743.1	1164.1	2031.3	2501.2
17°	553.0	641.5	1045.3	1932.3	2433.9
18°	491.0	557.0	933.2	1834.6	2362.6
19°	435.6	488.4	828.9	1733.0	2283.4
20°	385.4	432.9	733.9	1627.4	2198.9
21°	343.2	384.1	645.4	1523.1	2113.1
22°	306.2	341.8	566.2	1420.2	2019.4
23°	271.9	303.6	498.9	1315.9	1925.7
24°	238.9	273.2	439.5	1210.3	1828.0
25°	207.2	241.5	388.0	1108.7	1725.1
26°	182.1	213.8	344.5	1009.7	1618.2
27°	157.1	190.1	306.2	914.7	1509.9
28°	137.3	167.6	271.9	823.6	1392.5
29°	118.8	147.8	240.2	733.9	1272.4
30°	105.6	128.0	211.2	649.4	1148.3
32.5°	72.6	85.8	147.8	456.7	838.1
35°	43.6	54.1	96.4	293.0	566.2
37.5°	23.8	29.0	55.4	175.5	356.4
40°	11.9	14.5	26.4	85.8	200.6
42.5°	5.3	6.6	11.9	33.0	85.8
45°	2.6	4.0	6.6	13.2	27.7
47.5°	1.3	2.6	2.6	5.3	7.9
50°	1.3	1.3	1.3	2.6	2.6
52.5°	1.3	1.3	1.3	2.6	2.6
55°	1.3	1.3	1.3	1.3	1.3
57.5°	0.0	1.3	1.3	1.3	1.3
60°	0.0	1.3	1.3	1.3	1.3
62.5°	0.0	1.3	1.3	1.3	1.3
65°	0.0	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.3	1.3	1.3	1.3
70°	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	1.3	1.3	1.3	1.3
75°	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	1.3	1.3	1.3
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)