

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: P1180127

Luminaire Tested: LDA2B209730R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180127
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: LDA2B209730R2060D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

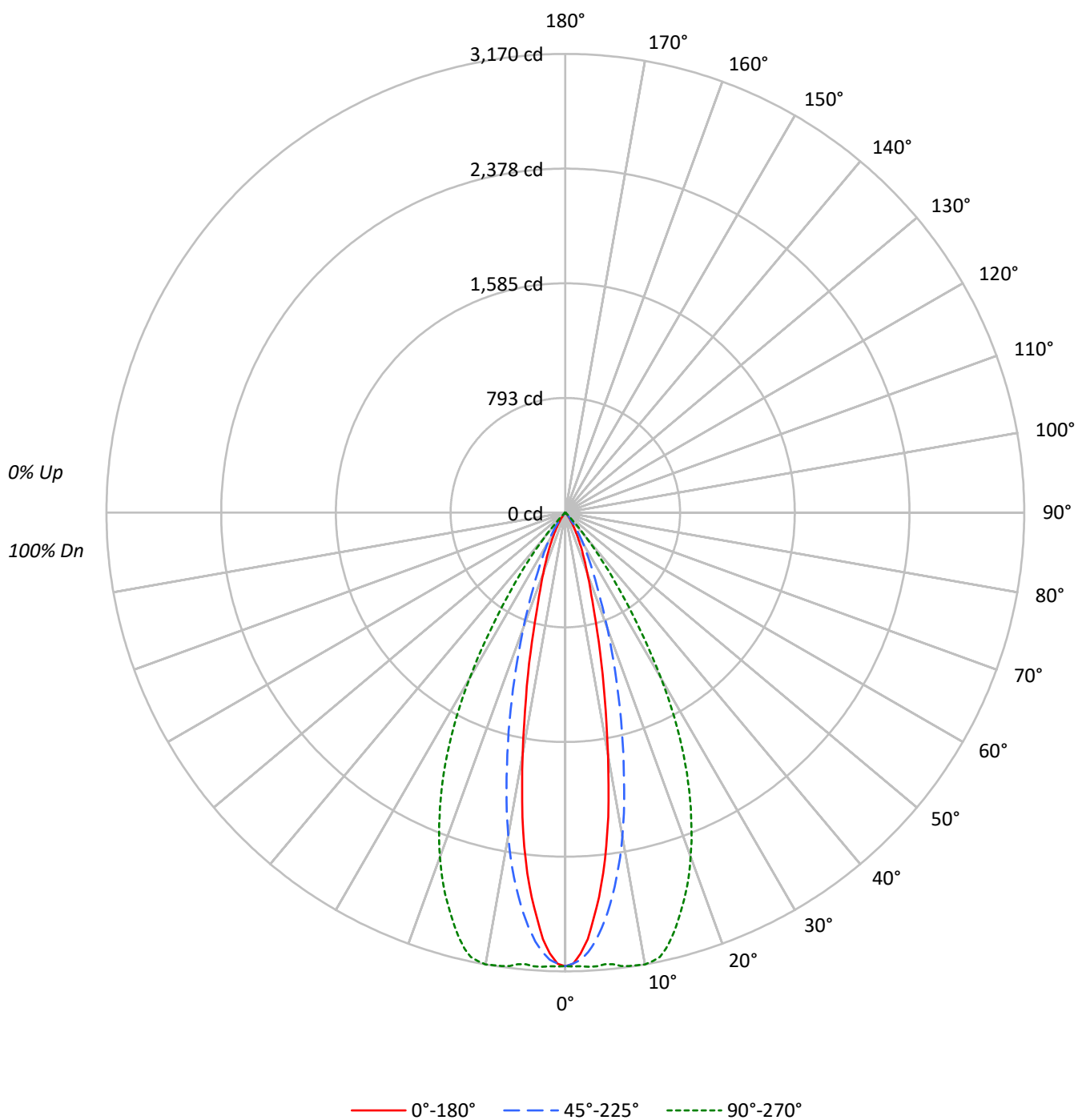
Lumens per Lamp: N/A
Luminaire Lumens: 1248.7 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1546689	1546689	1546689
5°	1320822	1427647	1551112
10°	850351	1138160	1588083
15°	436194	759100	1511202
20°	232953	443593	1329205
25°	129885	243222	1081217
30°	69274	138490	753181
35°	30174	66793	392629
40°	8823	19579	148773
45°	2093	5303	22257
50°	1151	1151	2303
55°	1290	1290	1290
60°	0	1480	1480
65°	0	1751	1751
70°	0	2164	2164
75°	0	2859	2859
80°	0	4262	4262
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 22257 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.7	20.7
10°-20°	471.0	37.7
20°-30°	357.1	28.6
30°-40°	142.9	11.4
40°-50°	14.5	1.2
50°-60°	1.5	0.1
60°-70°	1.3	0.1
70°-80°	1.3	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°	1086.8	87.0
0°-40°	1229.7	98.5
0°-60°	1245.6	99.8
0°-90°	1248.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1248.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3135	3135	3135	3135	3135	
5°	2667	2726	2883	3050	3132	223
15°	854	991	1486	2447	2959	244
25°	239	278	447	1276	1986	113
35°	50	62	111	337	652	35
45°	3	5	8	15	32	3
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°	3135.0	3135.0	3135.0	3135.0	3135.0
1°	3118.3	3119.8	3116.8	3121.3	3136.5
2°	3048.4	3071.2	3090.9	3110.7	3136.5
3°	2951.1	2978.5	3040.8	3103.1	3142.6
4°	2808.3	2864.5	2970.9	3084.9	3142.6
5°	2667.0	2726.2	2882.7	3049.9	3132.0
6°	2505.9	2591.0	2780.9	3016.5	3138.0
7°	2323.5	2428.4	2668.5	2995.2	3156.3
8°	2126.0	2244.5	2545.4	2949.6	3163.9
9°	1907.1	2051.5	2414.7	2894.9	3166.9
10°	1697.4	1849.4	2271.9	2832.6	3170.0
11°	1487.7	1645.8	2116.8	2771.8	3157.8
12°	1309.9	1460.4	1954.2	2708.0	3139.6
13°	1145.8	1291.7	1793.2	2632.0	3092.5
14°	993.8	1136.7	1638.2	2543.9	3030.1
15°	854.0	990.8	1486.2	2446.6	2958.7
16°	727.9	855.6	1340.3	2338.7	2879.7
17°	636.7	738.5	1203.5	2224.7	2802.2
18°	565.3	641.3	1074.4	2112.3	2720.1
19°	501.5	562.3	954.3	1995.3	2629.0
20°	443.7	498.4	844.9	1873.7	2531.7
21°	395.1	442.2	743.1	1753.7	2432.9
22°	352.6	393.6	651.9	1635.1	2325.0
23°	313.0	349.5	574.4	1515.1	2217.1
24°	275.1	314.6	506.0	1393.5	2104.7
25°	238.6	278.1	446.8	1276.5	1986.2
26°	209.7	246.2	396.6	1162.5	1863.1
27°	180.8	218.8	352.6	1053.1	1738.5
28°	158.0	193.0	313.0	948.3	1603.2
29°	136.8	170.2	276.6	844.9	1464.9
30°	121.6	147.4	243.1	747.7	1322.1
32.5°	83.6	98.8	170.2	525.8	965.0
35°	50.1	62.3	110.9	337.4	651.9
37.5°	27.4	33.4	63.8	202.1	410.3
40°	13.7	16.7	30.4	98.8	231.0
42.5°	6.1	7.6	13.7	38.0	98.8
45°	3.0	4.6	7.6	15.2	31.9
47.5°	1.5	3.0	3.0	6.1	9.1
50°	1.5	1.5	1.5	3.0	3.0
52.5°	1.5	1.5	1.5	3.0	3.0
55°	1.5	1.5	1.5	1.5	1.5
57.5°	0.0	1.5	1.5	1.5	1.5
60°	0.0	1.5	1.5	1.5	1.5
62.5°	0.0	1.5	1.5	1.5	1.5
65°	0.0	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.5	1.5	1.5	1.5
70°	0.0	1.5	1.5	1.5	1.5
72.5°	0.0	1.5	1.5	1.5	1.5
75°	0.0	1.5	1.5	1.5	1.5
77.5°	0.0	1.5	1.5	1.5	1.5
80°	0.0	0.0	1.5	1.5	1.5
82.5°	0.0	0.0	1.5	1.5	1.5
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)