

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: P1179157

Luminaire Tested: LDA2B158027R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179157
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: LDA2B158027R2060D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

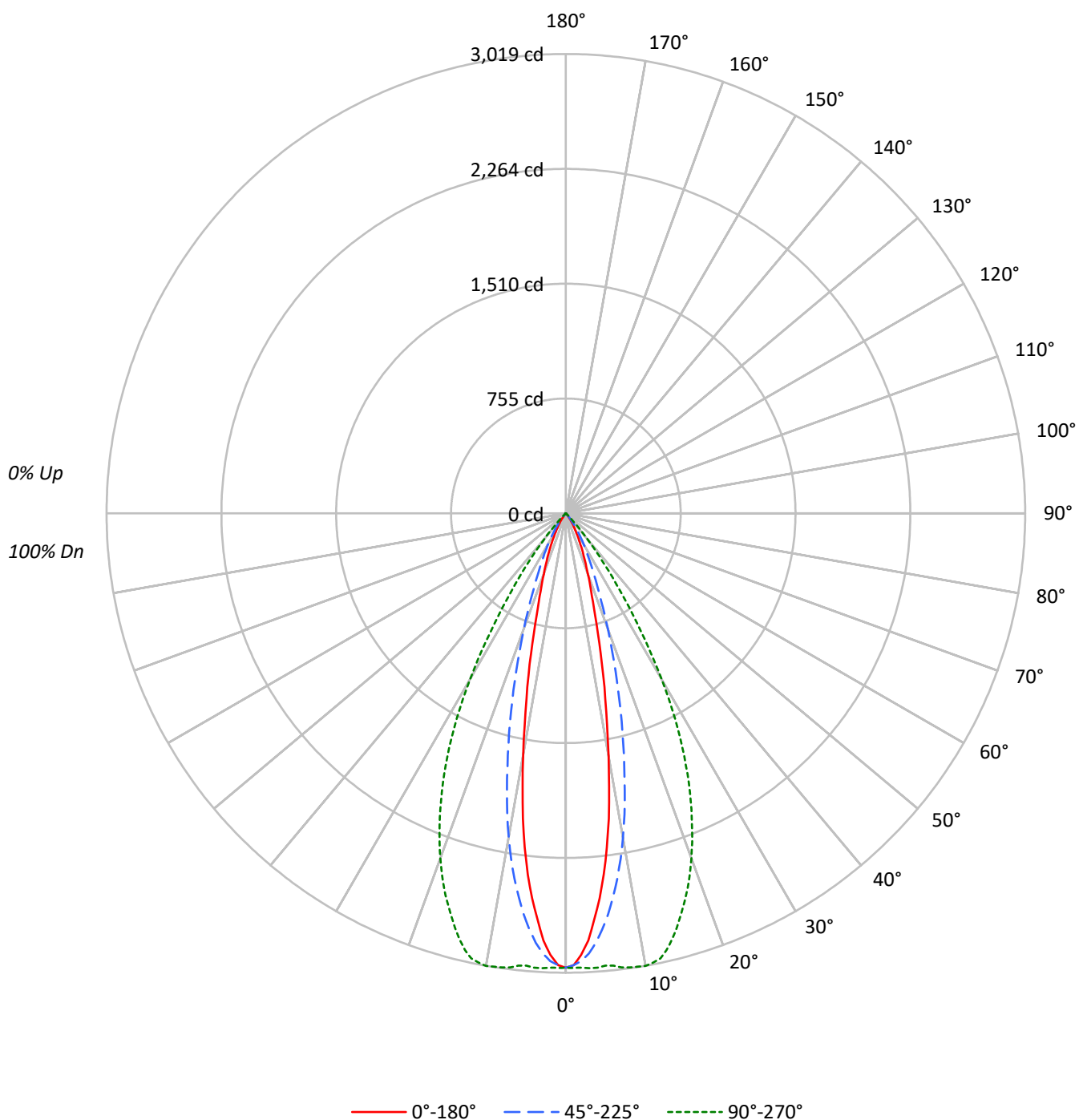
Lumens per Lamp: N/A
Luminaire Lumens: 1189.3 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1473228	1473228	1473228
5°	1258074	1359847	1477419
10°	809973	1084055	1512637
15°	415508	723040	1439440
20°	221928	422540	1266044
25°	123680	231627	1029829
30°	65970	131939	717404
35°	28789	63661	374018
40°	8372	18613	141688
45°	2023	5024	21211
50°	1075	1075	2226
55°	1204	1204	1204
60°	0	1381	1381
65°	0	1634	1634
70°	0	2019	2019
75°	0	2669	2669
80°	0	3978	3978
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 21211 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.5	20.7
10°-20°	448.6	37.7
20°-30°	340.1	28.6
30°-40°	136.1	11.4
40°-50°	13.8	1.2
50°-60°	1.4	0.1
60°-70°	1.2	0.1
70°-80°	1.2	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°	1035.2	87.0
0°-40°	1171.3	98.5
0°-60°	1186.4	99.8
0°-90°	1189.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1189.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2986	2986	2986	2986	2986	
5°	2540	2597	2746	2905	2983	213
15°	814	944	1416	2330	2818	233
25°	227	265	426	1216	1892	108
35°	48	59	106	321	621	33
45°	3	4	7	14	30	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2986.1	2986.1	2986.1	2986.1	2986.1
1°	2970.1	2971.6	2968.7	2973.0	2987.5
2°	2903.6	2925.3	2944.1	2962.9	2987.5
3°	2810.9	2837.0	2896.3	2955.7	2993.3
4°	2674.9	2728.4	2829.7	2938.3	2993.3
5°	2540.3	2596.7	2745.8	2905.0	2983.2
6°	2386.8	2467.9	2648.8	2873.2	2989.0
7°	2213.1	2313.0	2541.7	2852.9	3006.3
8°	2025.0	2137.9	2424.5	2809.5	3013.6
9°	1816.5	1954.0	2300.0	2757.4	3016.5
10°	1616.8	1761.5	2163.9	2698.0	3019.4
11°	1417.0	1567.6	2016.3	2640.1	3007.8
12°	1247.7	1391.0	1861.4	2579.3	2990.4
13°	1091.4	1230.3	1708.0	2507.0	2945.5
14°	946.6	1082.7	1560.3	2423.0	2886.2
15°	813.5	943.7	1415.6	2330.4	2818.2
16°	693.3	814.9	1276.6	2227.6	2742.9
17°	606.5	703.5	1146.4	2119.1	2669.1
18°	538.4	610.8	1023.3	2011.9	2590.9
19°	477.7	535.6	909.0	1900.5	2504.1
20°	422.7	474.8	804.8	1784.7	2411.4
21°	376.3	421.2	707.8	1670.3	2317.4
22°	335.8	374.9	621.0	1557.4	2214.6
23°	298.2	332.9	547.1	1443.1	2111.8
24°	262.0	299.6	482.0	1327.3	2004.7
25°	227.2	264.9	425.5	1215.9	1891.8
26°	199.7	234.5	377.8	1107.3	1774.6
27°	172.2	208.4	335.8	1003.1	1655.9
28°	150.5	183.8	298.2	903.2	1527.1
29°	130.3	162.1	263.4	804.8	1395.3
30°	115.8	140.4	231.6	712.1	1259.3
32.5°	79.6	94.1	162.1	500.8	919.1
35°	47.8	59.3	105.7	321.3	621.0
37.5°	26.1	31.8	60.8	192.5	390.8
40°	13.0	15.9	28.9	94.1	220.0
42.5°	5.8	7.2	13.0	36.2	94.1
45°	2.9	4.3	7.2	14.5	30.4
47.5°	1.4	2.9	2.9	5.8	8.7
50°	1.4	1.4	1.4	2.9	2.9
52.5°	1.4	1.4	1.4	2.9	2.9
55°	1.4	1.4	1.4	1.4	1.4
57.5°	0.0	1.4	1.4	1.4	1.4
60°	0.0	1.4	1.4	1.4	1.4
62.5°	0.0	1.4	1.4	1.4	1.4
65°	0.0	1.4	1.4	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.4	1.4	1.4	1.4
70°	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	1.4	1.4	1.4	1.4
75°	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	1.4	1.4	1.4	1.4
80°	0.0	0.0	1.4	1.4	1.4
82.5°	0.0	0.0	1.4	1.4	1.4
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)