

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: P1179311

Luminaire Tested: LDA2B158050R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179311
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: LDA2B158050R2060D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

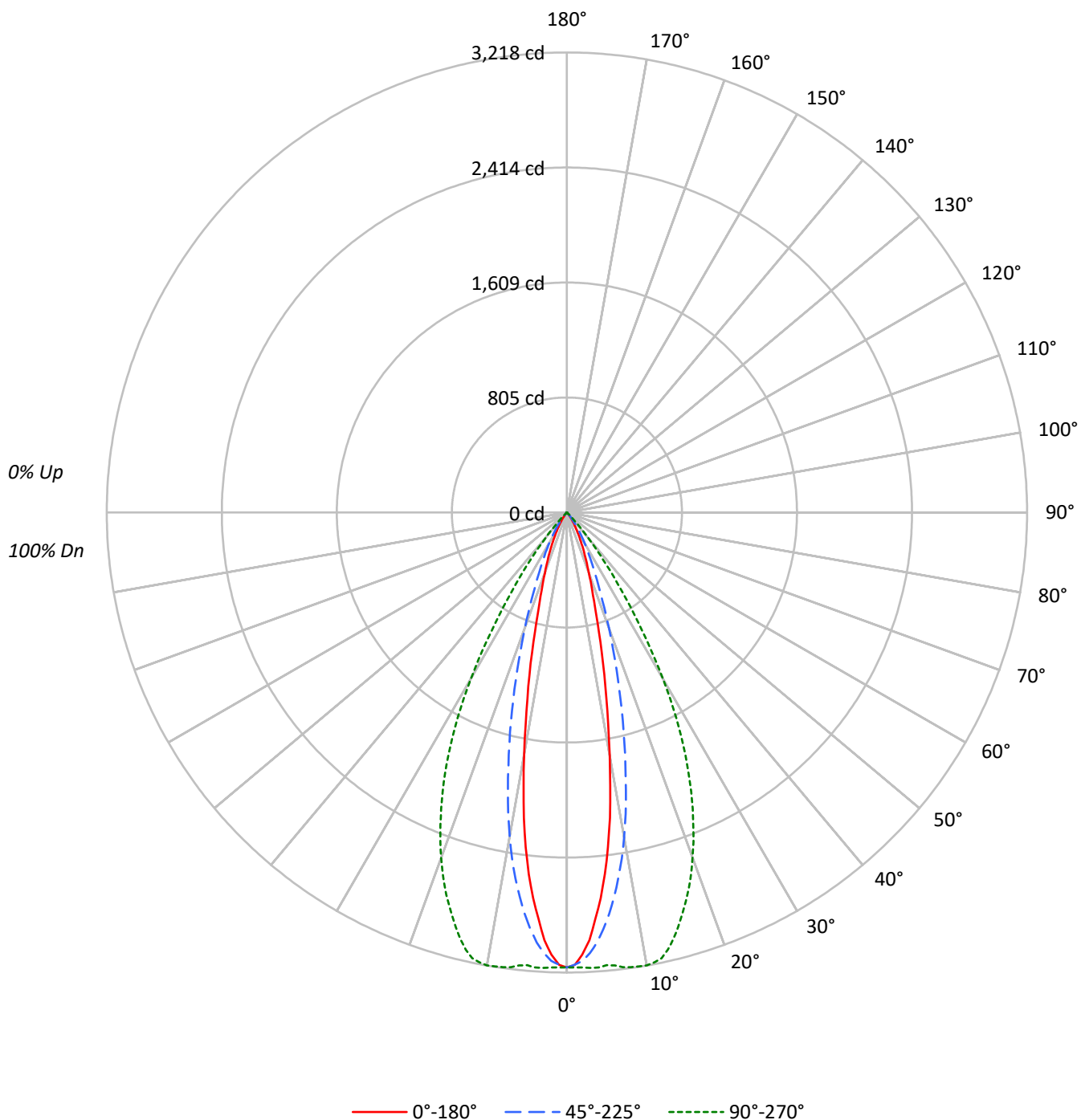
Lumens per Lamp: N/A
Luminaire Lumens: 1267.5 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1570075	1570075	1570075
5°	1340780	1449239	1574537
10°	863226	1155343	1612080
15°	442783	770592	1534085
20°	236471	450314	1349313
25°	131845	246869	1097548
30°	70299	140598	764574
35°	30656	67817	398591
40°	8952	19901	151027
45°	2163	5372	22606
50°	1151	1151	2379
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: 22606 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.7	20.7
10°-20°	478.1	37.7
20°-30°	362.5	28.6
30°-40°	145.0	11.4
40°-50°	14.7	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°	1103.3	87.0
0°-40°	1248.3	98.5
0°-60°	1264.5	99.8
0°-90°	1267.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1267.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3182	3182	3182	3182	3182	
5°	2707	2767	2926	3096	3179	227
15°	867	1006	1509	2484	3004	248
25°	242	282	454	1296	2016	115
35°	51	63	113	342	662	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°	3182.4	3182.4	3182.4	3182.4	3182.4
1°	3165.4	3167.0	3163.9	3168.5	3183.9
2°	3094.5	3117.6	3137.7	3157.7	3183.9
3°	2995.7	3023.5	3086.8	3150.0	3190.1
4°	2850.7	2907.8	3015.8	3131.5	3190.1
5°	2707.3	2767.4	2926.3	3096.0	3179.3
6°	2543.8	2630.1	2823.0	3062.1	3185.5
7°	2358.6	2465.1	2708.8	3040.5	3204.0
8°	2158.1	2278.4	2583.9	2994.2	3211.7
9°	1936.0	2082.5	2451.2	2938.7	3214.8
10°	1723.1	1877.4	2306.2	2875.4	3217.9
11°	1510.2	1670.6	2148.9	2813.7	3205.5
12°	1329.7	1482.4	1983.8	2748.9	3187.0
13°	1163.1	1311.2	1820.3	2671.8	3139.2
14°	1008.9	1153.9	1662.9	2582.3	3076.0
15°	866.9	1005.8	1508.7	2483.6	3003.5
16°	738.9	868.5	1360.6	2374.1	2923.2
17°	646.4	749.7	1221.7	2258.4	2844.6
18°	573.9	651.0	1090.6	2144.2	2761.3
19°	509.1	570.8	968.8	2025.4	2668.7
20°	450.4	506.0	857.7	1902.0	2570.0
21°	401.1	448.9	754.3	1780.2	2469.7
22°	357.9	399.5	661.8	1659.8	2360.2
23°	317.8	354.8	583.1	1538.0	2250.7
24°	279.2	319.3	513.7	1414.6	2136.5
25°	242.2	282.3	453.5	1295.8	2016.2
26°	212.9	249.9	402.6	1180.1	1891.2
27°	183.6	222.1	357.9	1069.0	1764.7
28°	160.4	195.9	317.8	962.6	1627.5
29°	138.8	172.8	280.8	857.7	1487.1
30°	123.4	149.6	246.8	759.0	1342.1
32.5°	84.8	100.3	172.8	533.7	979.6
35°	50.9	63.2	112.6	342.5	661.8
37.5°	27.8	33.9	64.8	205.2	416.5
40°	13.9	17.0	30.9	100.3	234.5
42.5°	6.2	7.7	13.9	38.6	100.3
45°	3.1	4.6	7.7	15.4	32.4
47.5°	1.5	3.1	3.1	6.2	9.3
50°	1.5	1.5	1.5	3.1	3.1
52.5°	1.5	1.5	1.5	3.1	3.1
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)