

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: P1179971

Luminaire Tested: LDA2B209035R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179971
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: LDA2B209035R2060D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

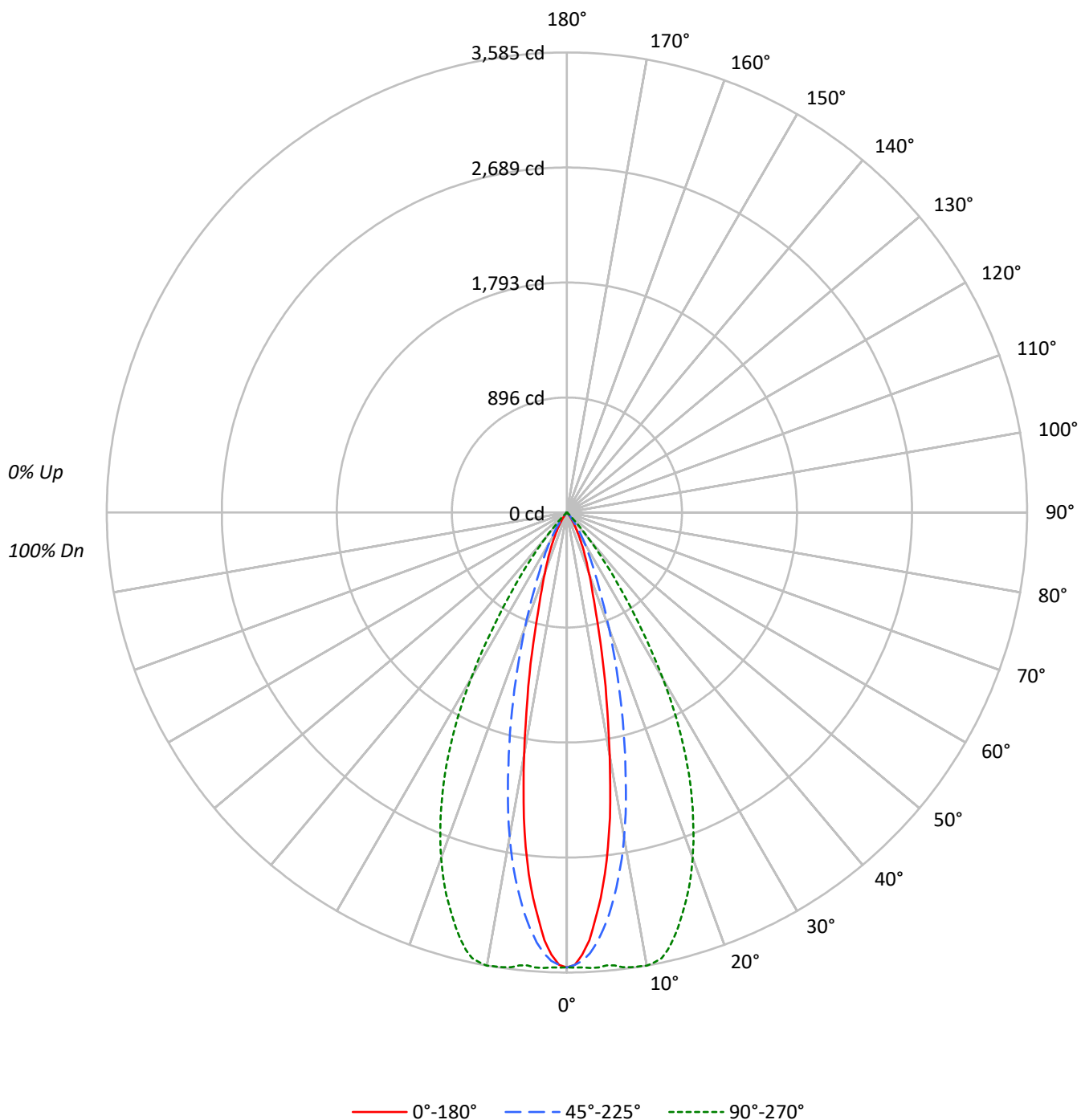
Lumens per Lamp: N/A
Luminaire Lumens: 1412.3 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	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
1	114	112	110	108	112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	99	108	104	101	98		101	98	96		98	96	94		95	93	92
3	105	100	96	92	103	99	95	92		96	93	90		94	91	89		91	89	87
4	101	95	90	87	99	94	89	86		92	88	85		90	87	84		88	85	83
5	97	90	85	82	96	89	85	81		88	84	81		86	83	80		85	82	79
6	93	86	81	77	92	85	81	77		84	80	77		82	79	76		81	78	76
7	90	82	77	74	89	81	77	73		80	76	73		79	75	73		78	75	72
8	86	79	74	70	85	78	73	70		77	73	70		76	72	69		75	72	69
9	83	75	70	67	82	75	70	67		74	70	67		73	69	66		72	69	66
10	80	72	67	64	79	72	67	64		71	67	64		70	66	64		70	66	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1749362	1749362	1749362
5°	1493861	1614751	1754361
10°	961817	1287299	1796187
15°	493349	858597	1709226
20°	263510	501714	1503408
25°	146870	275067	1222860
30°	78332	156663	851850
35°	34149	75587	444124
40°	9983	22155	168287
45°	2372	6000	25188
50°	1305	1305	2610
55°	1462	1462	1462
60°	0	1677	1677
65°	0	1985	1985
70°	0	2452	2452
75°	0	3241	3241
80°	0	4830	4830
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 25188 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	20.7
10°-20°	532.7	37.7
20°-30°	403.9	28.6
30°-40°	161.6	11.4
40°-50°	16.4	1.2
50°-60°	1.7	0.1
60°-70°	1.5	0.1
70°-80°	1.5	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°	1229.3	87.0
0°-40°	1390.8	98.5
0°-60°	1408.9	99.8
0°-90°	1412.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3546	3546	3546	3546	3546	
5°	3016	3084	3260	3450	3542	253
15°	966	1121	1681	2767	3346	276
25°	270	314	505	1444	2246	128
35°	57	70	126	382	737	39
45°	3	5	9	17	36	4
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°	3545.8	3545.8	3545.8	3545.8	3545.8
1°	3526.9	3528.6	3525.2	3530.4	3547.5
2°	3447.9	3473.6	3496.0	3518.3	3547.5
3°	3337.9	3368.8	3439.3	3509.7	3554.4
4°	3176.3	3239.9	3360.2	3489.1	3554.4
5°	3016.4	3083.5	3260.5	3449.6	3542.4
6°	2834.3	2930.5	3145.4	3411.8	3549.3
7°	2628.0	2746.6	3018.2	3387.7	3569.9
8°	2404.6	2538.6	2878.9	3336.1	3578.5
9°	2157.1	2320.3	2731.1	3274.3	3581.9
10°	1919.9	2091.7	2569.6	3203.8	3585.4
11°	1682.7	1861.4	2394.2	3135.0	3571.6
12°	1481.6	1651.7	2210.3	3062.8	3551.0
13°	1296.0	1461.0	2028.1	2976.9	3497.7
14°	1124.1	1285.6	1852.8	2877.2	3427.2
15°	965.9	1120.6	1681.0	2767.2	3346.4
16°	823.3	967.7	1516.0	2645.2	3257.1
17°	720.2	835.3	1361.3	2516.3	3169.4
18°	639.4	725.3	1215.2	2389.1	3076.6
19°	567.2	635.9	1079.4	2256.7	2973.5
20°	501.9	563.8	955.6	2119.2	2863.5
21°	446.9	500.2	840.5	1983.5	2751.8
22°	398.8	445.2	737.4	1849.4	2629.7
23°	354.1	395.3	649.7	1713.6	2507.7
24°	311.1	355.8	572.4	1576.1	2380.5
25°	269.8	314.5	505.3	1443.8	2246.4
26°	237.2	278.4	448.6	1314.9	2107.2
27°	204.5	247.5	398.8	1191.1	1966.3
28°	178.8	218.3	354.1	1072.5	1813.3
29°	154.7	192.5	312.8	955.6	1656.9
30°	137.5	166.7	275.0	845.6	1495.3
32.5°	94.5	111.7	192.5	594.7	1091.4
35°	56.7	70.5	125.5	381.6	737.4
37.5°	30.9	37.8	72.2	228.6	464.1
40°	15.5	18.9	34.4	111.7	261.3
42.5°	6.9	8.6	15.5	43.0	111.7
45°	3.4	5.2	8.6	17.2	36.1
47.5°	1.7	3.4	3.4	6.9	10.3
50°	1.7	1.7	1.7	3.4	3.4
52.5°	1.7	1.7	1.7	3.4	3.4
55°	1.7	1.7	1.7	1.7	1.7
57.5°	0.0	1.7	1.7	1.7	1.7
60°	0.0	1.7	1.7	1.7	1.7
62.5°	0.0	1.7	1.7	1.7	1.7
65°	0.0	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.7	1.7	1.7	1.7
70°	0.0	1.7	1.7	1.7	1.7
72.5°	0.0	1.7	1.7	1.7	1.7
75°	0.0	1.7	1.7	1.7	1.7
77.5°	0.0	1.7	1.7	1.7	1.7
80°	0.0	0.0	1.7	1.7	1.7
82.5°	0.0	0.0	1.7	1.7	1.7
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)