

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: P1178700

Luminaire Tested: LDA2B108035R2040D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108035R2040D010 2LBD1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

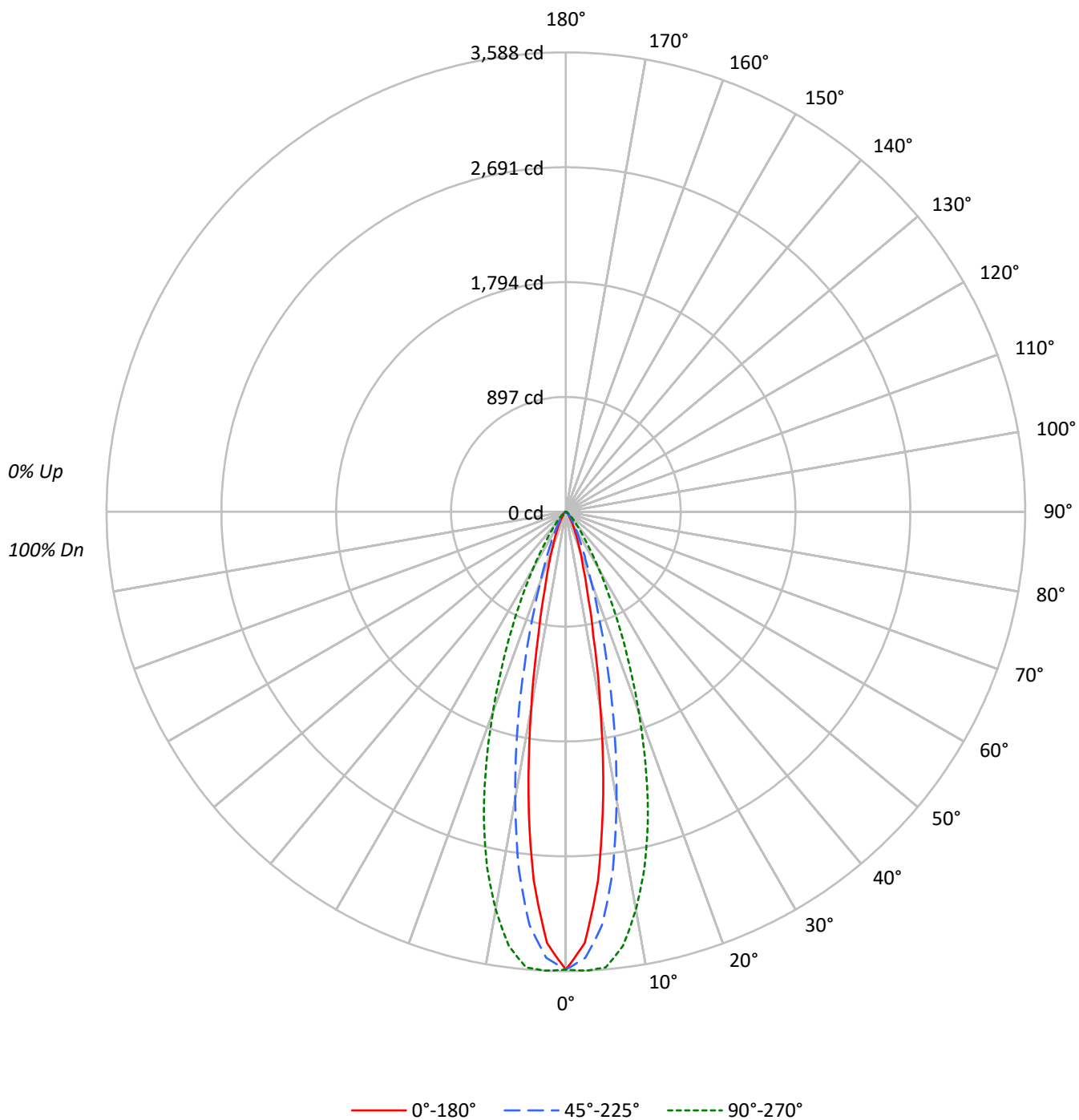
Lumens per Lamp: N/A
Luminaire Lumens: 1007.9 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	81	81	79
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	77	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	74	74	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	72	72	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	69	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	67	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1764212	1764212	1764212
5°	1430024	1606133	1768822
10°	777510	1140364	1579517
15°	328831	639938	1264298
20°	167850	300892	874219
25°	92923	153946	532824
30°	52069	85510	290596
35°	30114	51736	148041
40°	22413	39222	81922
45°	19745	26583	48561
50°	20877	17500	25866
55°	14967	12128	14020
60°	9670	8584	8584
65°	7588	7588	7588
70°	6347	6347	6347
75°	6290	6290	6290
80°	6251	6251	6251
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 48561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.6	27.6
10°-20°	394.0	39.1
20°-30°	203.0	20.1
30°-40°	74.7	7.4
40°-50°	32.8	3.3
50°-60°	14.4	1.4
60°-70°	6.3	0.6
70°-80°	3.2	0.3
80°-90°	0.9	0.1
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°	875.6	86.9
0°-40°	950.3	94.3
0°-60°	997.5	99.0
0°-90°	1007.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1007.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3576	3576	3576	3576	3576	
5°	2888	2985	3243	3473	3572	232
15°	644	748	1253	2090	2475	197
25°	171	191	283	649	979	82
35°	50	58	86	150	246	34
45°	28	33	38	46	70	23
55°	17	15	14	15	16	16
65°	6	6	6	5	6	7
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3575.9	3575.9	3575.9	3575.9	3575.9
2.5°	3371.5	3411.7	3486.8	3558.5	3587.9
5°	2887.5	2985.4	3243.1	3472.6	3571.6
7.5°	2236.0	2397.0	2814.6	3244.2	3420.4
10°	1552.0	1715.1	2276.3	2894.0	3152.9
12.5°	989.7	1148.5	1754.3	2505.8	2841.8
15°	643.8	748.2	1252.9	2090.3	2475.3
17.5°	447.0	520.9	852.7	1649.8	2069.6
20°	319.7	371.9	573.1	1258.3	1665.1
22.5°	231.7	267.5	398.1	919.0	1294.2
25°	170.7	191.4	282.8	649.3	978.8
27.5°	126.2	139.2	204.5	448.1	715.6
30°	91.4	102.2	150.1	307.8	510.1
32.5°	66.3	76.1	112.0	213.2	355.6
35°	50.0	57.6	85.9	150.1	245.8
37.5°	41.3	45.7	70.7	108.8	174.0
40°	34.8	39.2	60.9	80.5	127.2
42.5°	30.5	35.9	50.0	59.8	95.7
45°	28.3	32.6	38.1	45.7	69.6
47.5°	28.3	27.2	29.4	34.8	48.9
50°	27.2	22.8	22.8	27.2	33.7
52.5°	22.8	18.5	18.5	19.6	22.8
55°	17.4	15.2	14.1	15.2	16.3
57.5°	13.1	13.1	12.0	10.9	12.0
60°	9.8	9.8	8.7	8.7	8.7
62.5°	7.6	7.6	7.6	6.5	7.6
65°	6.5	6.5	6.5	5.4	6.5
67.5°	5.4	5.4	4.4	5.4	5.4
70°	4.4	4.4	4.4	4.4	4.4
72.5°	3.3	3.3	3.3	3.3	3.3
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
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)