

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: P1178706

Luminaire Tested: LDA2B108035R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178706
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 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

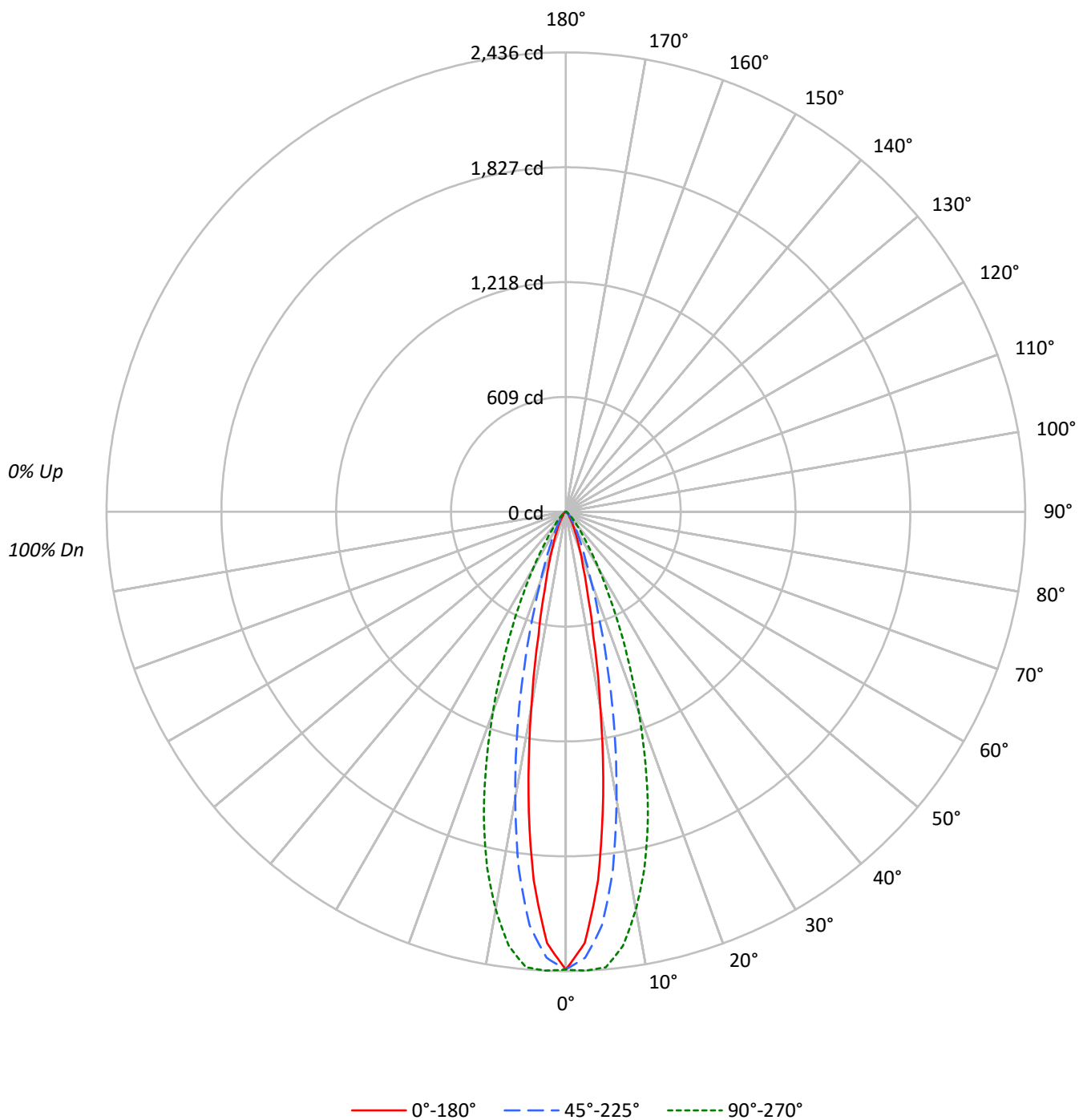
Lumens per Lamp: N/A
Luminaire Lumens: 684.2 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1197636	1197636	1197636
5°	970782	1090334	1200774
10°	527775	774103	1072232
15°	223256	434406	858291
20°	113983	204287	593435
25°	63092	104518	361730
30°	35320	58051	197282
35°	20478	35113	100521
40°	15199	26599	55645
45°	13396	18001	33002
50°	14199	11897	17577
55°	10150	8257	9548
60°	6512	5822	5822
65°	5137	5137	5137
70°	4327	4327	4327
75°	4194	4194	4194
80°	4262	4262	4262
85°	3962	3962	3962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 33002 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	27.6
10°-20°	267.5	39.1
20°-30°	137.8	20.1
30°-40°	50.7	7.4
40°-50°	22.3	3.3
50°-60°	9.8	1.4
60°-70°	4.3	0.6
70°-80°	2.1	0.3
80°-90°	0.6	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°	594.4	86.9
0°-40°	645.1	94.3
0°-60°	677.2	99.0
0°-90°	684.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	684.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2428	2428	2428	2428	2428	
5°	1960	2027	2202	2357	2425	158
15°	437	508	850	1419	1680	134
25°	116	130	192	441	664	56
35°	34	39	58	102	167	23
45°	19	22	26	31	47	15
55°	12	10	10	10	11	11
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	2427.5	2427.5	2427.5	2427.5	2427.5
2.5°	2288.7	2316.0	2367.0	2415.7	2435.6
5°	1960.2	2026.6	2201.6	2357.4	2424.6
7.5°	1517.9	1627.2	1910.7	2202.3	2321.9
10°	1053.5	1164.3	1545.2	1964.6	2140.3
12.5°	671.8	779.6	1190.9	1701.0	1929.2
15°	437.1	507.9	850.5	1419.0	1680.4
17.5°	303.4	353.6	578.8	1120.0	1405.0
20°	217.1	252.5	389.1	854.2	1130.3
22.5°	157.3	181.6	270.2	623.9	878.6
25°	115.9	129.9	192.0	440.8	664.5
27.5°	85.6	94.5	138.8	304.2	485.8
30°	62.0	69.4	101.9	208.9	346.3
32.5°	45.0	51.7	76.0	144.7	241.4
35°	34.0	39.1	58.3	101.9	166.9
37.5°	28.1	31.0	48.0	73.8	118.1
40°	23.6	26.6	41.3	54.6	86.4
42.5°	20.7	24.4	34.0	40.6	65.0
45°	19.2	22.1	25.8	31.0	47.3
47.5°	19.2	18.5	19.9	23.6	33.2
50°	18.5	15.5	15.5	18.5	22.9
52.5°	15.5	12.6	12.6	13.3	15.5
55°	11.8	10.3	9.6	10.3	11.1
57.5°	8.9	8.9	8.1	7.4	8.1
60°	6.6	6.6	5.9	5.9	5.9
62.5°	5.2	5.2	5.2	4.4	5.2
65°	4.4	4.4	4.4	3.7	4.4
67.5°	3.7	3.7	3.0	3.7	3.7
70°	3.0	3.0	3.0	3.0	3.0
72.5°	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7
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)