

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: P1178897

Luminaire Tested: LDA2B109030R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178897
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: LDA2B109030R2040D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

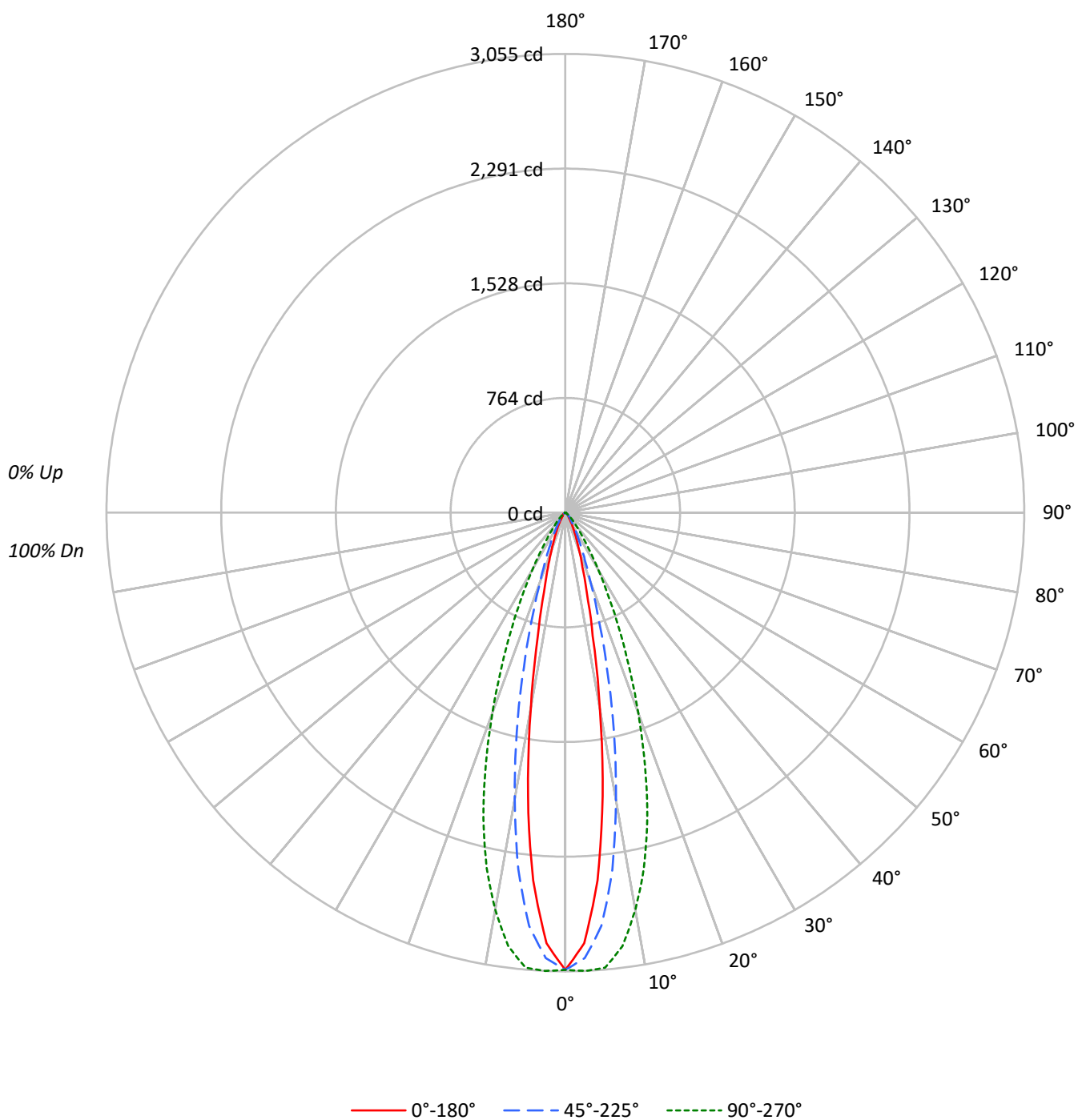
Lumens per Lamp: N/A
Luminaire Lumens: 858.2 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1502237	1502237	1502237
5°	1217662	1367672	1506143
10°	662035	971035	1344961
15°	280002	544885	1076541
20°	142964	256212	744380
25°	79151	131083	453728
30°	44322	72806	247414
35°	25657	44087	126058
40°	19064	33426	69814
45°	16815	22606	41375
50°	17807	14890	22028
55°	12730	10322	11956
60°	8190	7302	7302
65°	6537	6537	6537
70°	5337	5337	5337
75°	5337	5337	5337
80°	5398	5398	5398
85°	5095	5095	5095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 41375 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.3	27.6
10°-20°	335.5	39.1
20°-30°	172.8	20.1
30°-40°	63.6	7.4
40°-50°	27.9	3.3
50°-60°	12.2	1.4
60°-70°	5.4	0.6
70°-80°	2.7	0.3
80°-90°	0.7	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°	745.6	86.9
0°-40°	809.2	94.3
0°-60°	849.4	99.0
0°-90°	858.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	858.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3045	3045	3045	3045	3045	
5°	2459	2542	2762	2957	3041	198
15°	548	637	1067	1780	2108	168
25°	145	163	241	553	834	70
35°	43	49	73	128	209	29
45°	24	28	32	39	59	19
55°	15	13	12	13	14	14
65°	6	6	6	5	6	6
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°	3044.9	3044.9	3044.9	3044.9	3044.9
2.5°	2870.8	2905.1	2969.0	3030.1	3055.1
5°	2458.7	2542.1	2761.6	2957.0	3041.2
7.5°	1904.0	2041.1	2396.7	2762.5	2912.5
10°	1321.5	1460.4	1938.3	2464.3	2684.7
12.5°	842.7	977.9	1493.8	2133.7	2419.8
15°	548.2	637.1	1066.8	1779.9	2107.7
17.5°	380.6	443.6	726.0	1404.9	1762.3
20°	272.3	316.7	488.0	1071.5	1417.8
22.5°	197.3	227.8	338.9	782.5	1102.0
25°	145.4	163.0	240.8	552.9	833.5
27.5°	107.4	118.5	174.1	381.5	609.4
30°	77.8	87.1	127.8	262.1	434.3
32.5°	56.5	64.8	95.4	181.5	302.8
35°	42.6	49.1	73.2	127.8	209.3
37.5°	35.2	38.9	60.2	92.6	148.2
40°	29.6	33.3	51.9	68.5	108.4
42.5°	25.9	30.6	42.6	50.9	81.5
45°	24.1	27.8	32.4	38.9	59.3
47.5°	24.1	23.2	25.0	29.6	41.7
50°	23.2	19.4	19.4	23.2	28.7
52.5°	19.4	15.7	15.7	16.7	19.4
55°	14.8	13.0	12.0	13.0	13.9
57.5°	11.1	11.1	10.2	9.3	10.2
60°	8.3	8.3	7.4	7.4	7.4
62.5°	6.5	6.5	6.5	5.6	6.5
65°	5.6	5.6	5.6	4.6	5.6
67.5°	4.6	4.6	3.7	4.6	4.6
70°	3.7	3.7	3.7	3.7	3.7
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.8	2.8	2.8	2.8	2.8
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9
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)