

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: P1178896

Luminaire Tested: LDA2B109030R2040D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178896
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 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

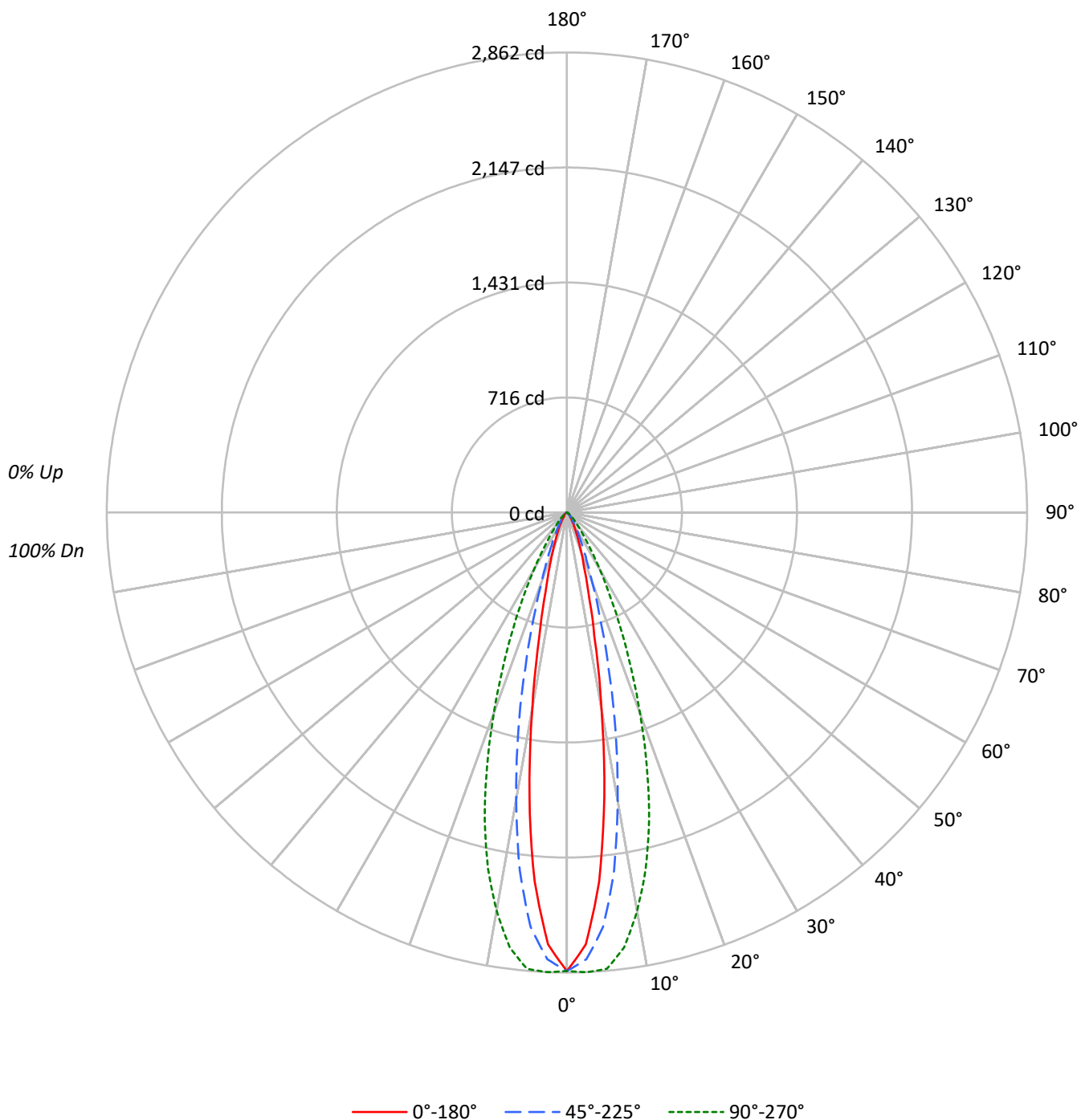
Lumens per Lamp: N/A
Luminaire Lumens: 804.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1407413	1407413	1407413
5°	1140800	1281301	1411105
10°	620254	909716	1260047
15°	262329	510510	1008609
20°	133934	240041	697390
25°	74142	122809	425094
30°	41530	68191	231805
35°	24031	41256	118108
40°	17904	31300	65370
45°	15768	21211	38723
50°	16656	13969	20647
55°	11956	9720	11182
60°	7696	6808	6808
65°	6070	6070	6070
70°	5049	5049	5049
75°	4956	4956	4956
80°	4830	4830	4830
85°	5095	5095	5095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 38723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	27.6
10°-20°	314.3	39.1
20°-30°	161.9	20.1
30°-40°	59.6	7.4
40°-50°	26.2	3.3
50°-60°	11.5	1.4
60°-70°	5.0	0.6
70°-80°	2.5	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°	698.5	86.9
0°-40°	758.1	94.3
0°-60°	795.7	99.0
0°-90°	804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2853	2853	2853	2853	2853	
5°	2304	2382	2587	2770	2849	185
15°	514	597	1000	1668	1975	157
25°	136	153	226	518	781	65
35°	40	46	68	120	196	27
45°	23	26	30	36	56	18
55°	14	12	11	12	13	13
65°	5	5	5	4	5	5
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°	2852.7	2852.7	2852.7	2852.7	2852.7
2.5°	2689.6	2721.7	2781.6	2838.8	2862.3
5°	2303.5	2381.6	2587.2	2770.3	2849.3
7.5°	1783.8	1912.2	2245.4	2588.1	2728.7
10°	1238.1	1368.2	1815.9	2308.7	2515.2
12.5°	789.5	916.2	1399.5	1999.0	2267.1
15°	513.6	596.9	999.5	1667.6	1974.7
17.5°	356.6	415.6	680.2	1316.2	1651.1
20°	255.1	296.7	457.2	1003.8	1328.3
22.5°	184.8	213.4	317.5	733.1	1032.5
25°	136.2	152.7	225.6	518.0	780.9
27.5°	100.6	111.1	163.1	357.5	570.9
30°	72.9	81.6	119.7	245.5	406.9
32.5°	52.9	60.7	89.4	170.1	283.7
35°	39.9	46.0	68.5	119.7	196.1
37.5°	33.0	36.4	56.4	86.8	138.8
40°	27.8	31.2	48.6	64.2	101.5
42.5°	24.3	28.6	39.9	47.7	76.4
45°	22.6	26.0	30.4	36.4	55.5
47.5°	22.6	21.7	23.4	27.8	39.0
50°	21.7	18.2	18.2	21.7	26.9
52.5°	18.2	14.7	14.7	15.6	18.2
55°	13.9	12.1	11.3	12.1	13.0
57.5°	10.4	10.4	9.5	8.7	9.5
60°	7.8	7.8	6.9	6.9	6.9
62.5°	6.1	6.1	6.1	5.2	6.1
65°	5.2	5.2	5.2	4.3	5.2
67.5°	4.3	4.3	3.5	4.3	4.3
70°	3.5	3.5	3.5	3.5	3.5
72.5°	2.6	2.6	2.6	2.6	2.6
75°	2.6	2.6	2.6	2.6	2.6
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7
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)