

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: P1178739

Luminaire Tested: LDA2B108040R2040D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178739
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: LDA2B108040R2040D010 2LBD1WHH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

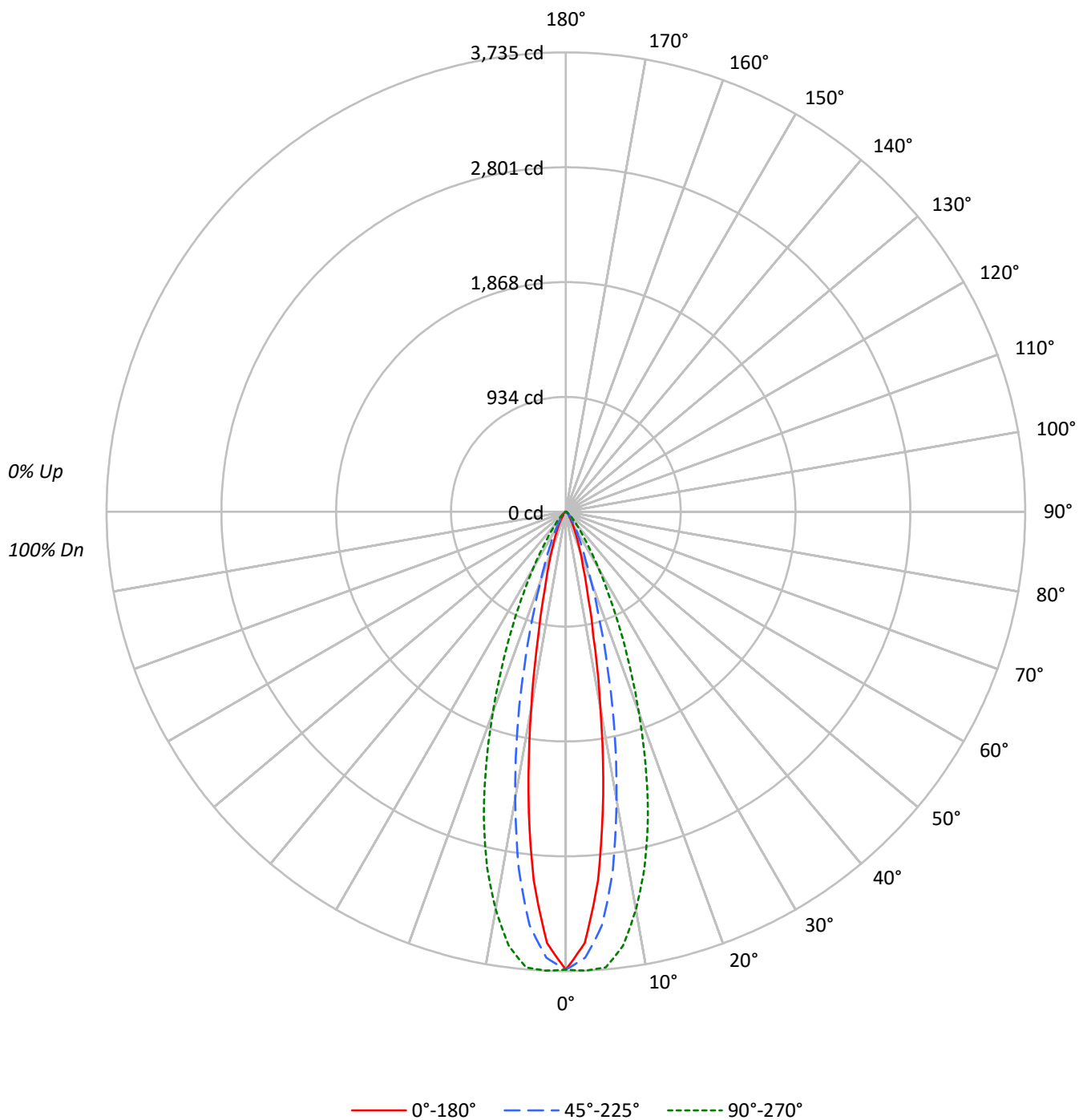
Lumens per Lamp: N/A
Luminaire Lumens: 1049.1 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1836391	1836391	1836391
5°	1488512	1671853	1841177
10°	809271	1187005	1644092
15°	342315	666090	1316039
20°	174728	313230	909973
25°	96734	160206	554599
30°	54177	88985	302446
35°	31379	53844	154064
40°	23314	40832	85335
45°	20513	27630	50585
50°	21721	18267	26940
55°	15569	12644	14623
60°	10065	8979	8979
65°	7938	7938	7938
70°	6491	6491	6491
75°	6481	6481	6481
80°	6535	6535	6535
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 50585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.0	27.6
10°-20°	410.1	39.1
20°-30°	211.3	20.1
30°-40°	77.7	7.4
40°-50°	34.2	3.3
50°-60°	15.0	1.4
60°-70°	6.6	0.6
70°-80°	3.3	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°	911.4	86.9
0°-40°	989.2	94.3
0°-60°	1038.3	99.0
0°-90°	1049.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1049.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3722	3722	3722	3722	3722	
5°	3006	3108	3376	3615	3718	242
15°	670	779	1304	2176	2577	205
25°	178	199	294	676	1019	85
35°	52	60	89	156	256	35
45°	29	34	40	48	72	24
55°	18	16	15	16	17	17
65°	7	7	7	6	7	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°	3722.2	3722.2	3722.2	3722.2	3722.2
2.5°	3509.4	3551.3	3629.4	3704.1	3734.6
5°	3005.6	3107.5	3375.8	3614.6	3717.7
7.5°	2327.5	2495.0	2929.8	3376.9	3560.3
10°	1615.4	1785.2	2369.4	3012.4	3281.8
12.5°	1030.2	1195.4	1826.0	2608.3	2958.1
15°	670.2	778.9	1304.1	2175.8	2576.6
17.5°	465.3	542.3	887.5	1717.3	2154.3
20°	332.8	387.2	596.6	1309.8	1733.2
22.5°	241.1	278.5	414.3	956.6	1347.1
25°	177.7	199.2	294.3	675.8	1018.8
27.5°	131.3	144.9	212.8	466.4	744.9
30°	95.1	106.4	156.2	320.4	530.9
32.5°	69.1	79.2	116.6	221.9	370.2
35°	52.1	60.0	89.4	156.2	255.8
37.5°	43.0	47.5	73.6	113.2	181.1
40°	36.2	40.8	63.4	83.8	132.5
42.5°	31.7	37.4	52.1	62.3	99.6
45°	29.4	34.0	39.6	47.5	72.5
47.5°	29.4	28.3	30.6	36.2	50.9
50°	28.3	23.8	23.8	28.3	35.1
52.5°	23.8	19.2	19.2	20.4	23.8
55°	18.1	15.8	14.7	15.8	17.0
57.5°	13.6	13.6	12.5	11.3	12.5
60°	10.2	10.2	9.1	9.1	9.1
62.5°	7.9	7.9	7.9	6.8	7.9
65°	6.8	6.8	6.8	5.7	6.8
67.5°	5.7	5.7	4.5	5.7	5.7
70°	4.5	4.5	4.5	4.5	4.5
72.5°	3.4	3.4	3.4	3.4	3.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3
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)