

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: P1178793

Luminaire Tested: LDA2B108050R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108050R2050D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

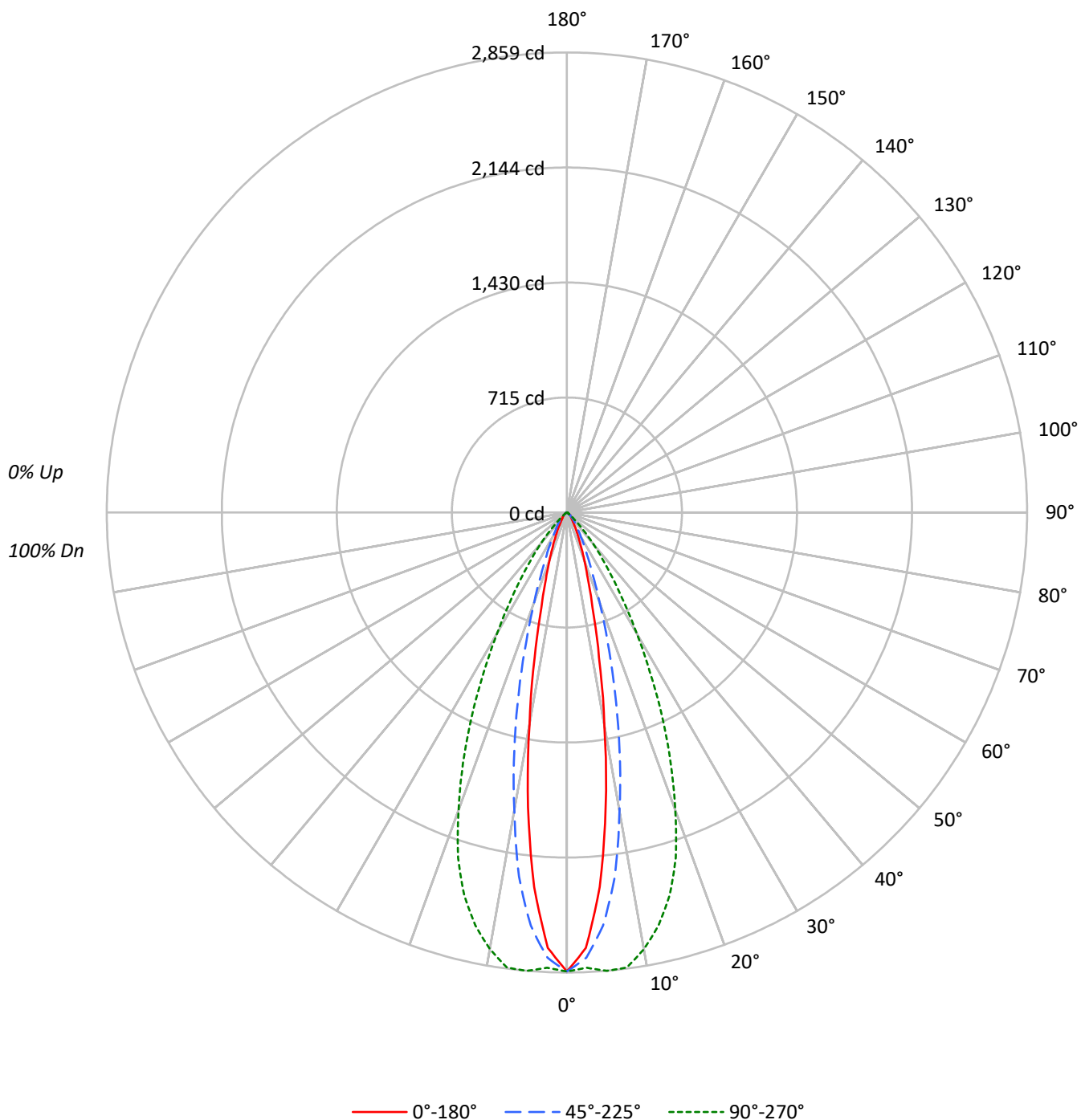
Lumens per Lamp: N/A
Luminaire Lumens: 1025.2 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1407117	1407117	1407117
5°	1156846	1276398	1416008
10°	671504	943231	1380581
15°	312844	587432	1258118
20°	164858	309712	1034089
25°	91290	167664	762709
30°	53550	98271	493290
35°	34390	65890	292288
40°	26792	44439	162362
45°	23234	26583	72214
50°	21030	18267	26480
55°	14365	13332	12300
60°	10558	9374	9374
65°	8288	6888	8288
70°	6924	6924	6924
75°	6862	6862	6862
80°	6819	6819	6819
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 72214 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	22.1
10°-20°	371.8	36.3
20°-30°	248.0	24.2
30°-40°	111.8	10.9
40°-50°	40.9	4.0
50°-60°	14.3	1.4
60°-70°	6.7	0.7
70°-80°	3.6	0.3
80°-90°	1.0	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°	847.0	82.6
0°-40°	958.8	93.5
0°-60°	1014.0	98.9
0°-90°	1025.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1025.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2852	2852	2852	2852	2852	
5°	2336	2408	2577	2765	2859	191
15°	612	720	1150	1943	2463	183
25°	168	195	308	840	1401	81
35°	57	64	109	237	485	38
45°	33	33	38	60	104	26
55°	17	16	16	13	14	16
65°	7	7	6	6	7	7
75°	4	4	4	4	4	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°	2852.1	2852.1	2852.1	2852.1	2852.1
2.5°	2708.2	2736.7	2770.0	2804.5	2831.9
5°	2335.9	2408.5	2577.3	2765.3	2859.2
7.5°	1847.1	1954.1	2282.4	2653.5	2852.1
10°	1340.4	1477.2	1882.8	2459.6	2755.8
12.5°	921.8	1050.2	1510.5	2214.6	2628.5
15°	612.5	719.6	1150.1	1943.4	2463.2
17.5°	431.7	504.3	836.1	1647.3	2250.3
20°	314.0	362.8	589.9	1357.1	1969.6
22.5°	228.4	265.2	419.8	1084.7	1685.3
25°	167.7	195.1	308.0	839.7	1401.1
27.5°	124.9	146.3	230.7	637.5	1116.8
30°	94.0	111.8	172.5	469.8	865.9
32.5°	72.6	84.4	132.0	335.4	655.3
35°	57.1	64.2	109.4	236.7	485.3
37.5°	47.6	52.3	90.4	165.3	355.6
40°	41.6	45.2	69.0	117.7	252.1
42.5°	36.9	39.2	50.0	84.4	164.1
45°	33.3	33.3	38.1	59.5	103.5
47.5°	30.9	27.4	29.7	41.6	60.7
50°	27.4	22.6	23.8	28.5	34.5
52.5°	21.4	19.0	19.0	19.0	20.2
55°	16.7	15.5	15.5	13.1	14.3
57.5°	13.1	13.1	11.9	10.7	11.9
60°	10.7	10.7	9.5	8.3	9.5
62.5°	8.3	8.3	7.1	7.1	8.3
65°	7.1	7.1	5.9	5.9	7.1
67.5°	5.9	5.9	5.9	4.8	5.9
70°	4.8	4.8	4.8	4.8	4.8
72.5°	3.6	3.6	4.8	3.6	3.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
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)