

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: P1178681

Luminaire Tested: LDA2B108030R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178681
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: LDA2B108030R2050D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

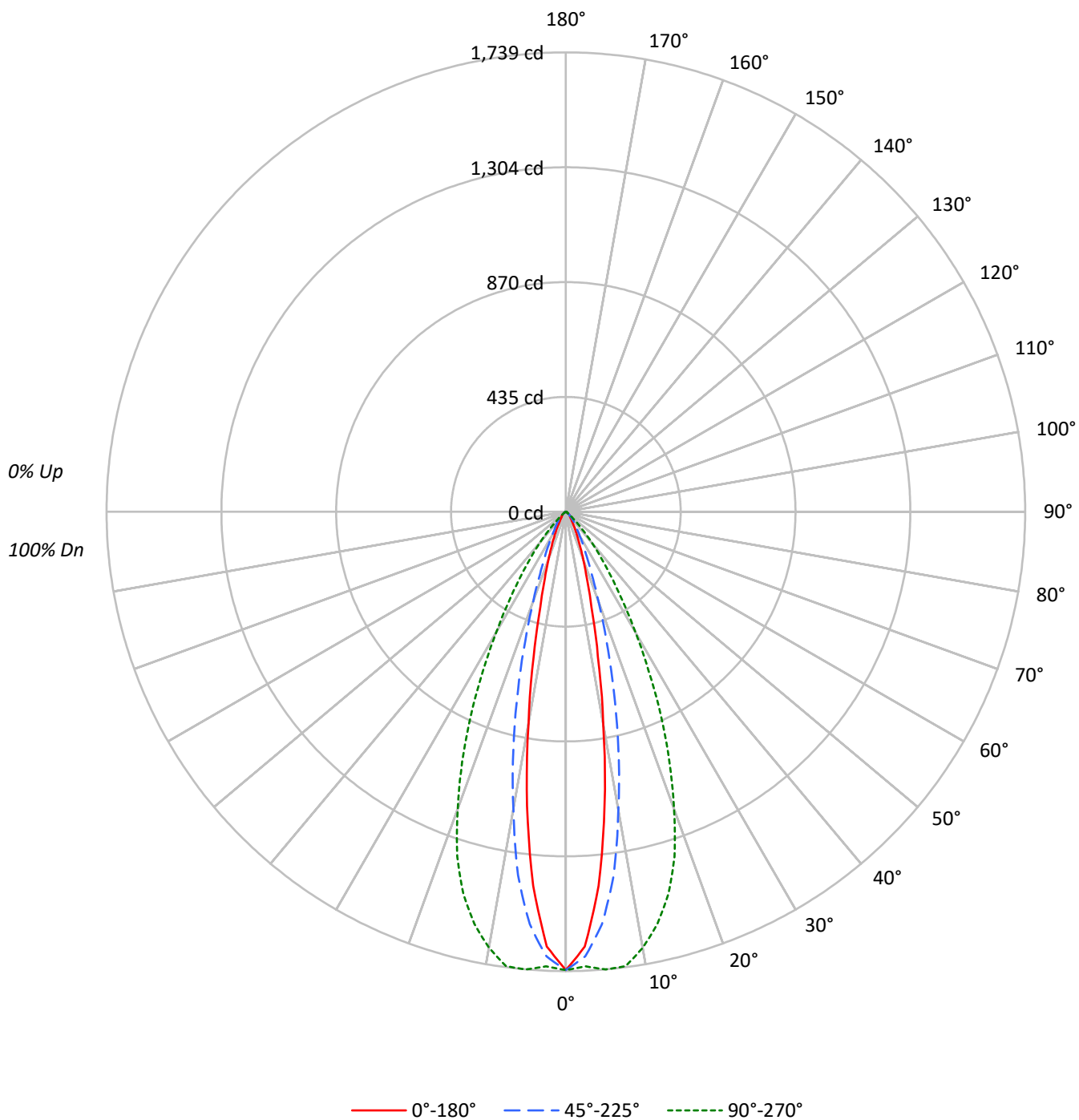
Lumens per Lamp: N/A
Luminaire Lumens: 623.6 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	855884	855884	855884
5°	703646	776398	861332
10°	408443	573714	839730
15°	190311	357332	765280
20°	100280	188379	628980
25°	55525	102014	463907
30°	32586	59760	300053
35°	20899	40112	177794
40°	16294	27050	98795
45°	14164	16187	43887
50°	12741	11129	16118
55°	8688	8085	7483
60°	6414	5723	5723
65°	5020	4203	5020
70°	4183	4183	4183
75°	4194	4194	4194
80°	3978	3978	3978
85°	3962	3962	3962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 43887 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	22.2
10°-20°	226.2	36.3
20°-30°	150.9	24.2
30°-40°	68.0	10.9
40°-50°	24.9	4.0
50°-60°	8.7	1.4
60°-70°	4.1	0.7
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°	515.2	82.6
0°-40°	583.2	93.5
0°-60°	616.8	98.9
0°-90°	623.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	623.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1735	1735	1735	1735	1735	
5°	1421	1465	1568	1682	1739	116
15°	373	438	700	1182	1498	112
25°	102	119	187	511	852	49
35°	35	39	67	144	295	23
45°	20	20	23	36	63	16
55°	10	9	9	8	9	9
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°	1734.8	1734.8	1734.8	1734.8	1734.8
2.5°	1647.3	1664.6	1684.9	1705.9	1722.5
5°	1420.8	1465.0	1567.7	1682.0	1739.2
7.5°	1123.5	1188.6	1388.3	1614.0	1734.8
10°	815.3	898.5	1145.2	1496.1	1676.2
12.5°	560.7	638.8	918.8	1347.1	1598.8
15°	372.6	437.7	699.6	1182.1	1498.3
17.5°	262.6	306.7	508.6	1002.0	1368.8
20°	191.0	220.7	358.8	825.5	1198.0
22.5°	138.9	161.3	255.4	659.8	1025.1
25°	102.0	118.6	187.4	510.8	852.2
27.5°	76.0	89.0	140.3	387.8	679.3
30°	57.2	68.0	104.9	285.8	526.7
32.5°	44.1	51.4	80.3	204.0	398.6
35°	34.7	39.1	66.6	144.0	295.2
37.5°	28.9	31.8	55.0	100.6	216.3
40°	25.3	27.5	42.0	71.6	153.4
42.5°	22.4	23.9	30.4	51.4	99.8
45°	20.3	20.3	23.2	36.2	62.9
47.5°	18.8	16.6	18.1	25.3	36.9
50°	16.6	13.7	14.5	17.4	21.0
52.5°	13.0	11.6	11.6	11.6	12.3
55°	10.1	9.4	9.4	8.0	8.7
57.5°	8.0	8.0	7.2	6.5	7.2
60°	6.5	6.5	5.8	5.1	5.8
62.5°	5.1	5.1	4.3	4.3	5.1
65°	4.3	4.3	3.6	3.6	4.3
67.5°	3.6	3.6	3.6	2.9	3.6
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.2	2.2	2.9	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
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)