

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: P1178779

Luminaire Tested: LDA2B108050R2040D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178779
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: LDA2B108050R2040D010 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

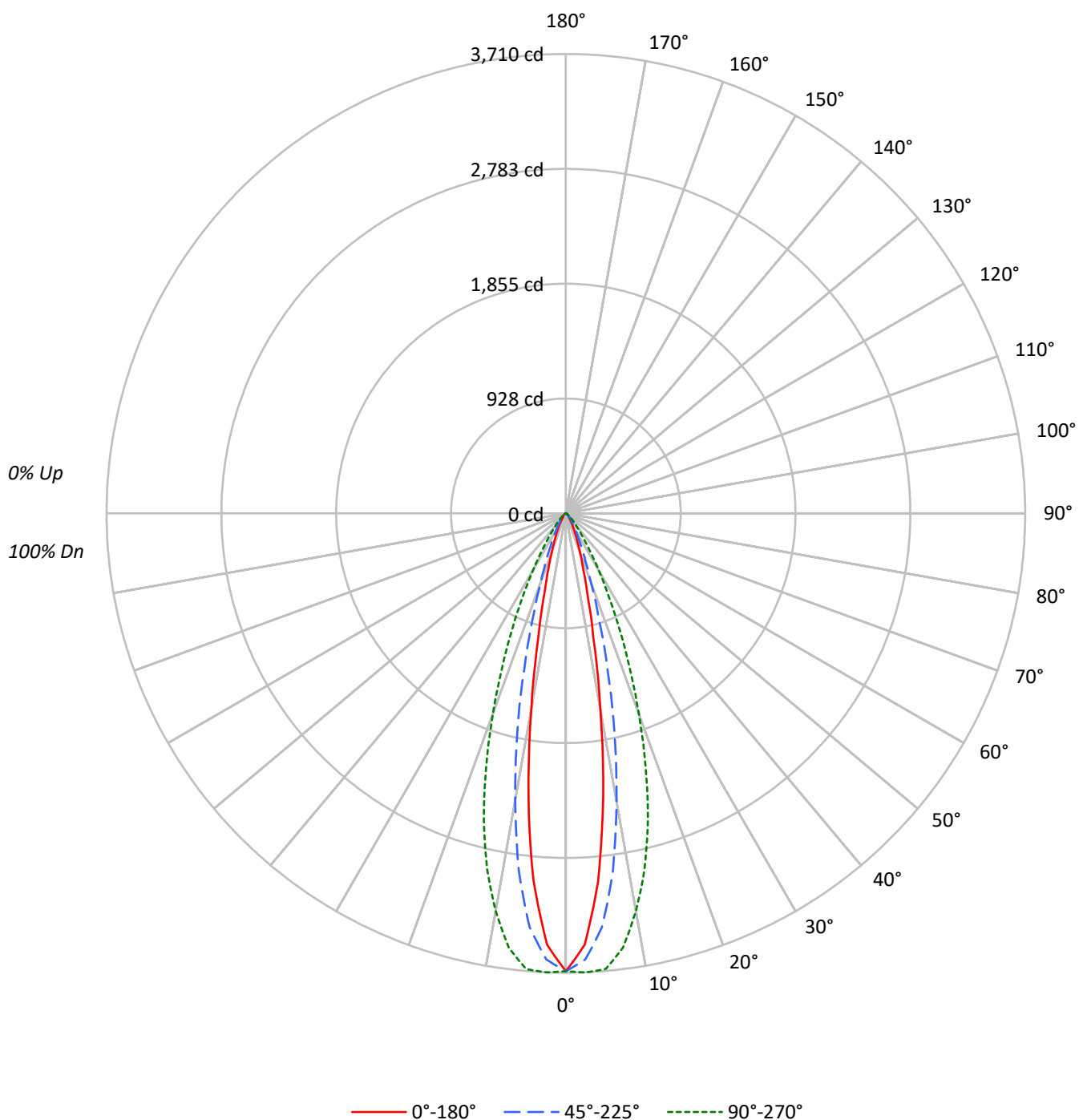
Lumens per Lamp: N/A
Luminaire Lumens: 1042.2 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	90	89
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87	86	85
4	102	96	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	83	82	81
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79	78	77
6	95	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76	75	74
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	73	72	71
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	70	69	68
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68	67	66
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1824403	1824403	1824403
5°	1478806	1660957	1829143
10°	804011	1179240	1633371
15°	340068	661748	1307458
20°	173626	311182	904040
25°	96135	159172	551006
30°	53835	88415	300509
35°	31138	53483	153100
40°	23185	40574	84755
45°	20373	27490	50236
50°	21568	18114	26787
55°	15483	12558	14537
60°	9966	8881	8881
65°	7822	7822	7822
70°	6491	6491	6491
75°	6481	6481	6481
80°	6251	6251	6251
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 50236 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	27.6
10°-20°	407.4	39.1
20°-30°	209.9	20.1
30°-40°	77.2	7.4
40°-50°	33.9	3.3
50°-60°	14.9	1.4
60°-70°	6.5	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°	905.5	86.9
0°-40°	982.7	94.3
0°-60°	1031.5	99.0
0°-90°	1042.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3698	3698	3698	3698	3698	
5°	2986	3087	3354	3591	3693	240
15°	666	774	1296	2162	2560	204
25°	177	198	292	671	1012	85
35°	52	60	89	155	254	35
45°	29	34	39	47	72	24
55°	18	16	15	16	17	16
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°	3697.9	3697.9	3697.9	3697.9	3697.9
2.5°	3486.5	3528.1	3605.7	3679.9	3710.3
5°	2986.0	3087.2	3353.8	3591.1	3693.4
7.5°	2312.3	2478.8	2910.7	3354.9	3537.1
10°	1604.9	1773.6	2353.9	2992.8	3260.4
12.5°	1023.5	1187.7	1814.1	2591.2	2938.8
15°	665.8	773.8	1295.6	2161.6	2559.8
17.5°	462.2	538.7	881.7	1706.1	2140.3
20°	330.7	384.6	592.7	1301.2	1721.9
22.5°	239.6	276.7	411.6	950.3	1338.4
25°	176.6	197.9	292.4	671.4	1012.2
27.5°	130.5	144.0	211.4	463.4	740.0
30°	94.5	105.7	155.2	318.3	527.5
32.5°	68.6	78.7	115.8	220.4	367.8
35°	51.7	59.6	88.8	155.2	254.2
37.5°	42.7	47.2	73.1	112.5	179.9
40°	36.0	40.5	63.0	83.2	131.6
42.5°	31.5	37.1	51.7	61.9	99.0
45°	29.2	33.7	39.4	47.2	72.0
47.5°	29.2	28.1	30.4	36.0	50.6
50°	28.1	23.6	23.6	28.1	34.9
52.5°	23.6	19.1	19.1	20.2	23.6
55°	18.0	15.7	14.6	15.7	16.9
57.5°	13.5	13.5	12.4	11.2	12.4
60°	10.1	10.1	9.0	9.0	9.0
62.5°	7.9	7.9	7.9	6.7	7.9
65°	6.7	6.7	6.7	5.6	6.7
67.5°	5.6	5.6	4.5	5.6	5.6
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°	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2
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)