

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: P1179092

Luminaire Tested: LDA2B109730R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179092
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: LDA2B109730R2040D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

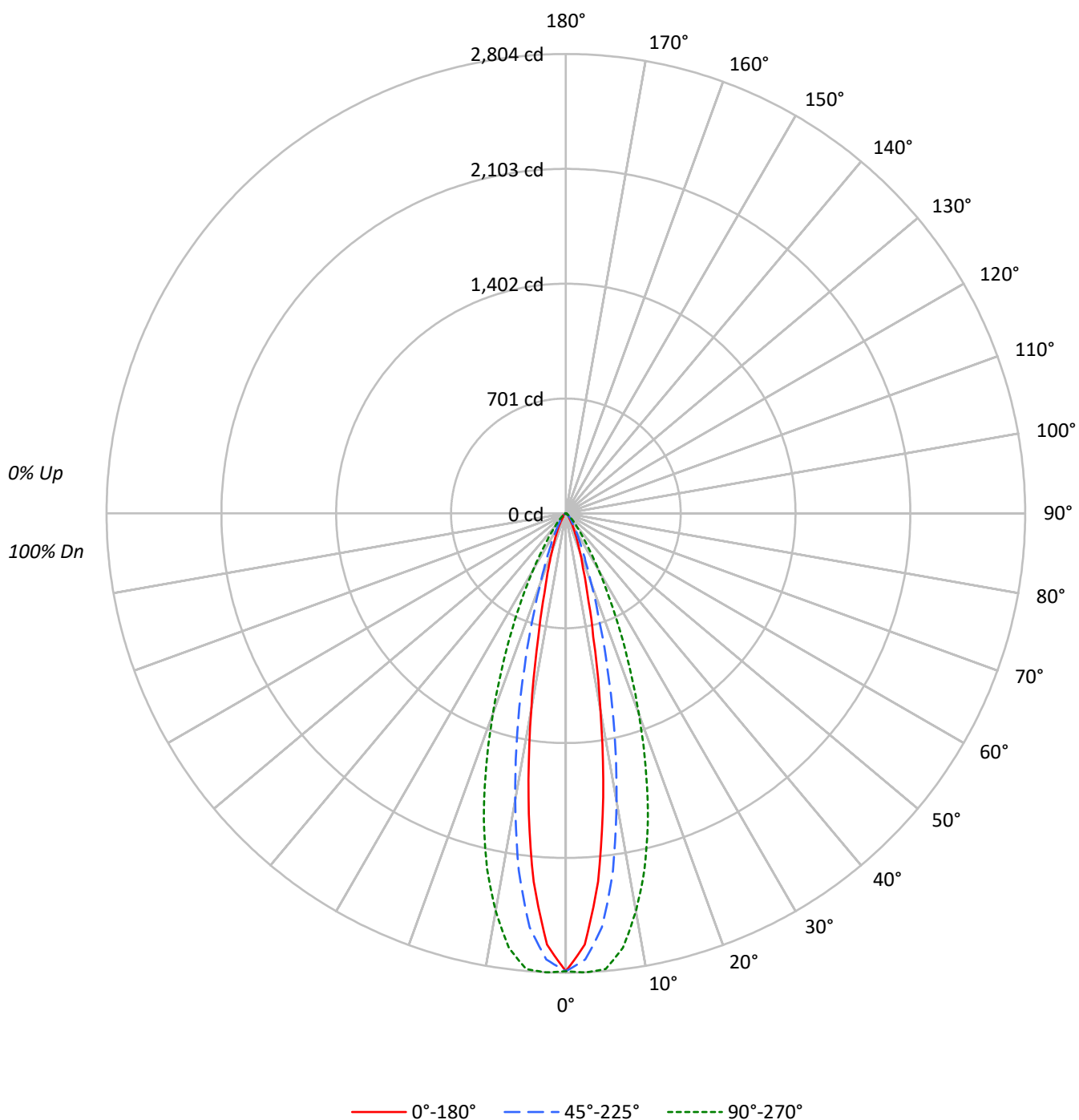
Lumens per Lamp: N/A
Luminaire Lumens: 787.8 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	95	91	87	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	94	87	82	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°	1378897	1378897	1378897
5°	1117672	1255350	1382480
10°	607680	891281	1234497
15°	257017	500142	988178
20°	131204	235211	683267
25°	72673	120305	416439
30°	40676	66824	227133
35°	23549	40473	115699
40°	17518	30656	64082
45°	15420	20792	37956
50°	16348	13739	20263
55°	11698	9548	11010
60°	7598	6710	6710
65°	5954	5954	5954
70°	4904	4904	4904
75°	4956	4956	4956
80°	4830	4830	4830
85°	5095	5095	5095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 37956 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.8	27.6
10°-20°	307.9	39.1
20°-30°	158.6	20.1
30°-40°	58.4	7.4
40°-50°	25.7	3.3
50°-60°	11.3	1.4
60°-70°	4.9	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°	684.4	86.9
0°-40°	742.8	94.3
0°-60°	779.7	99.0
0°-90°	787.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2795	2795	2795	2795	2795	
5°	2257	2333	2535	2714	2792	182
15°	503	585	979	1634	1935	154
25°	134	150	221	508	765	64
35°	39	45	67	117	192	27
45°	22	26	30	36	54	18
55°	14	12	11	12	13	12
65°	5	5	5	4	5	5
75°	3	3	3	3	3	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°	2794.9	2794.9	2794.9	2794.9	2794.9
2.5°	2635.1	2666.5	2725.2	2781.3	2804.2
5°	2256.8	2333.3	2534.8	2714.1	2791.5
7.5°	1747.7	1873.5	2199.9	2535.6	2673.3
10°	1213.0	1340.5	1779.1	2261.9	2464.2
12.5°	773.5	897.6	1371.1	1958.5	2221.1
15°	503.2	584.8	979.2	1633.8	1934.7
17.5°	349.4	407.2	666.4	1289.5	1617.6
20°	249.9	290.7	448.0	983.5	1301.4
22.5°	181.1	209.1	311.1	718.3	1011.5
25°	133.5	149.6	221.0	507.5	765.0
27.5°	98.6	108.8	159.8	350.2	559.3
30°	71.4	79.9	117.3	240.6	398.7
32.5°	51.9	59.5	87.6	166.6	278.0
35°	39.1	45.1	67.2	117.3	192.1
37.5°	32.3	35.7	55.3	85.0	136.0
40°	27.2	30.6	47.6	62.9	99.5
42.5°	23.8	28.1	39.1	46.8	74.8
45°	22.1	25.5	29.8	35.7	54.4
47.5°	22.1	21.3	23.0	27.2	38.3
50°	21.3	17.9	17.9	21.3	26.4
52.5°	17.9	14.5	14.5	15.3	17.9
55°	13.6	11.9	11.1	11.9	12.8
57.5°	10.2	10.2	9.4	8.5	9.4
60°	7.7	7.7	6.8	6.8	6.8
62.5°	6.0	6.0	6.0	5.1	6.0
65°	5.1	5.1	5.1	4.3	5.1
67.5°	4.3	4.3	3.4	4.3	4.3
70°	3.4	3.4	3.4	3.4	3.4
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)