

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: P1178975

Luminaire Tested: LDA2B109040R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178975
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: LDA2B109040R2040D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

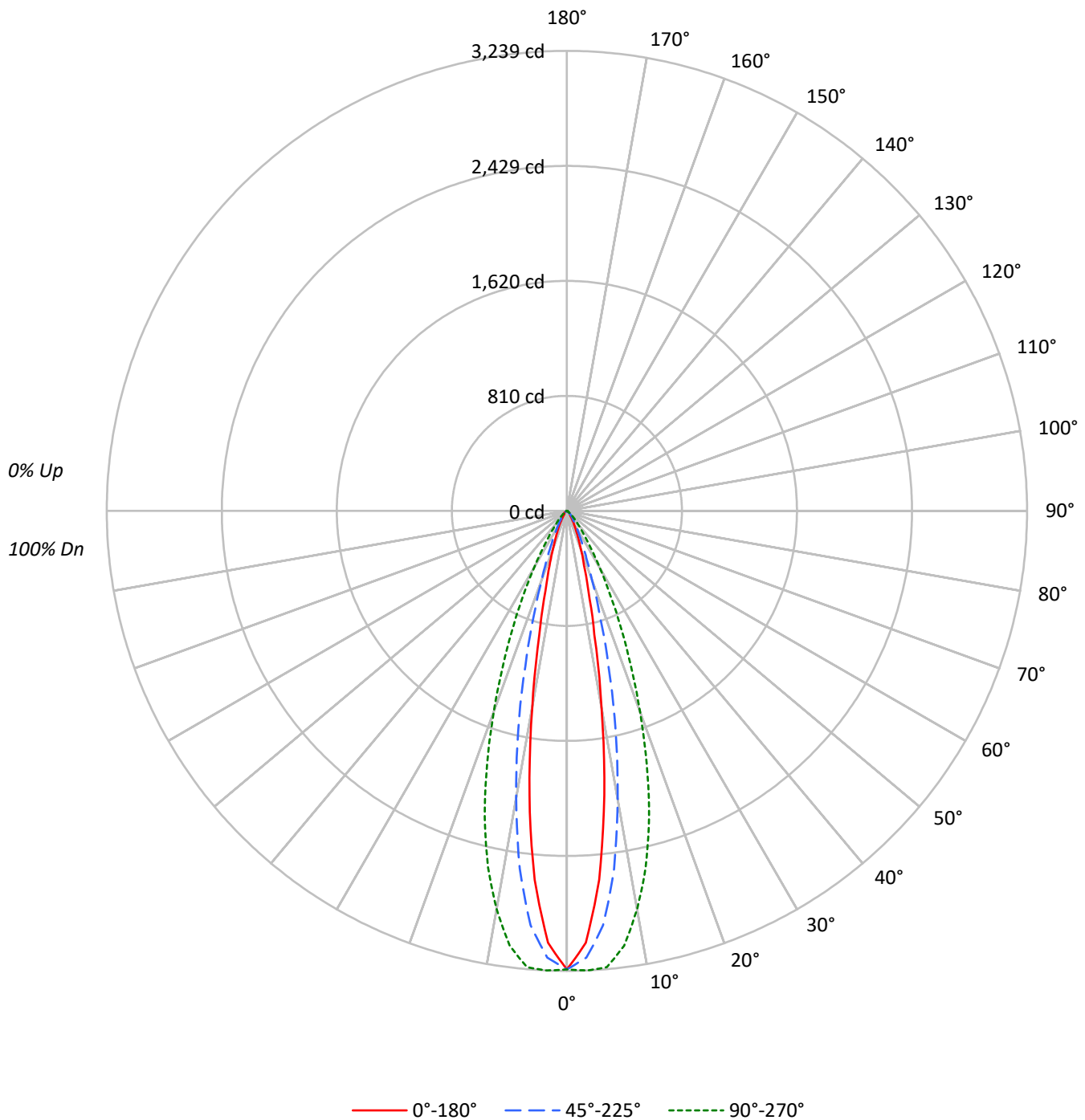
Lumens per Lamp: N/A
Luminaire Lumens: 909.9 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1592720	1592720	1592720
5°	1291008	1450032	1596872
10°	701913	1029499	1425969
15°	296908	577727	1141408
20°	151575	271648	789217
25°	83941	138976	481055
30°	46999	77192	262340
35°	27223	46737	133647
40°	20223	35422	74000
45°	17792	24002	43817
50°	18805	15811	23333
55°	13504	11010	12644
60°	8683	7795	7795
65°	6888	6888	6888
70°	5626	5626	5626
75°	5528	5528	5528
80°	5682	5682	5682
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 43817 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.5	27.6
10°-20°	355.7	39.1
20°-30°	183.2	20.1
30°-40°	67.4	7.4
40°-50°	29.6	3.3
50°-60°	13.0	1.4
60°-70°	5.7	0.6
70°-80°	2.8	0.3
80°-90°	0.8	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°	790.5	86.9
0°-40°	857.9	94.3
0°-60°	900.5	99.0
0°-90°	909.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	909.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3228	3228	3228	3228	3228	
5°	2607	2695	2928	3135	3224	210
15°	581	676	1131	1887	2235	178
25°	154	173	255	586	884	74
35°	45	52	78	136	222	31
45°	26	30	34	41	63	21
55°	16	14	13	14	15	14
65°	6	6	6	5	6	6
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°	3228.3	3228.3	3228.3	3228.3	3228.3
2.5°	3043.8	3080.1	3147.8	3212.6	3239.1
5°	2606.8	2695.2	2927.9	3135.1	3224.4
7.5°	2018.7	2164.0	2541.0	2928.9	3087.9
10°	1401.1	1548.4	2055.0	2612.7	2846.4
12.5°	893.5	1036.8	1583.7	2262.2	2565.6
15°	581.3	675.5	1131.1	1887.1	2234.7
17.5°	403.5	470.3	769.8	1489.5	1868.5
20°	288.7	335.8	517.4	1136.0	1503.2
22.5°	209.1	241.5	359.4	829.7	1168.4
25°	154.2	172.8	255.3	586.2	883.7
27.5°	113.9	125.7	184.6	404.5	646.1
30°	82.5	92.3	135.5	277.9	460.5
32.5°	59.9	68.7	101.1	192.4	321.1
35°	45.2	52.0	77.6	135.5	221.9
37.5°	37.3	41.2	63.8	98.2	157.1
40°	31.4	35.3	55.0	72.7	114.9
42.5°	27.5	32.4	45.2	54.0	86.4
45°	25.5	29.5	34.4	41.2	62.8
47.5°	25.5	24.5	26.5	31.4	44.2
50°	24.5	20.6	20.6	24.5	30.4
52.5°	20.6	16.7	16.7	17.7	20.6
55°	15.7	13.7	12.8	13.7	14.7
57.5°	11.8	11.8	10.8	9.8	10.8
60°	8.8	8.8	7.9	7.9	7.9
62.5°	6.9	6.9	6.9	5.9	6.9
65°	5.9	5.9	5.9	4.9	5.9
67.5°	4.9	4.9	3.9	4.9	4.9
70°	3.9	3.9	3.9	3.9	3.9
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0
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)