

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: P1178741

Luminaire Tested: LDA2B108040R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178741
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: LDA2B108040R2040D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

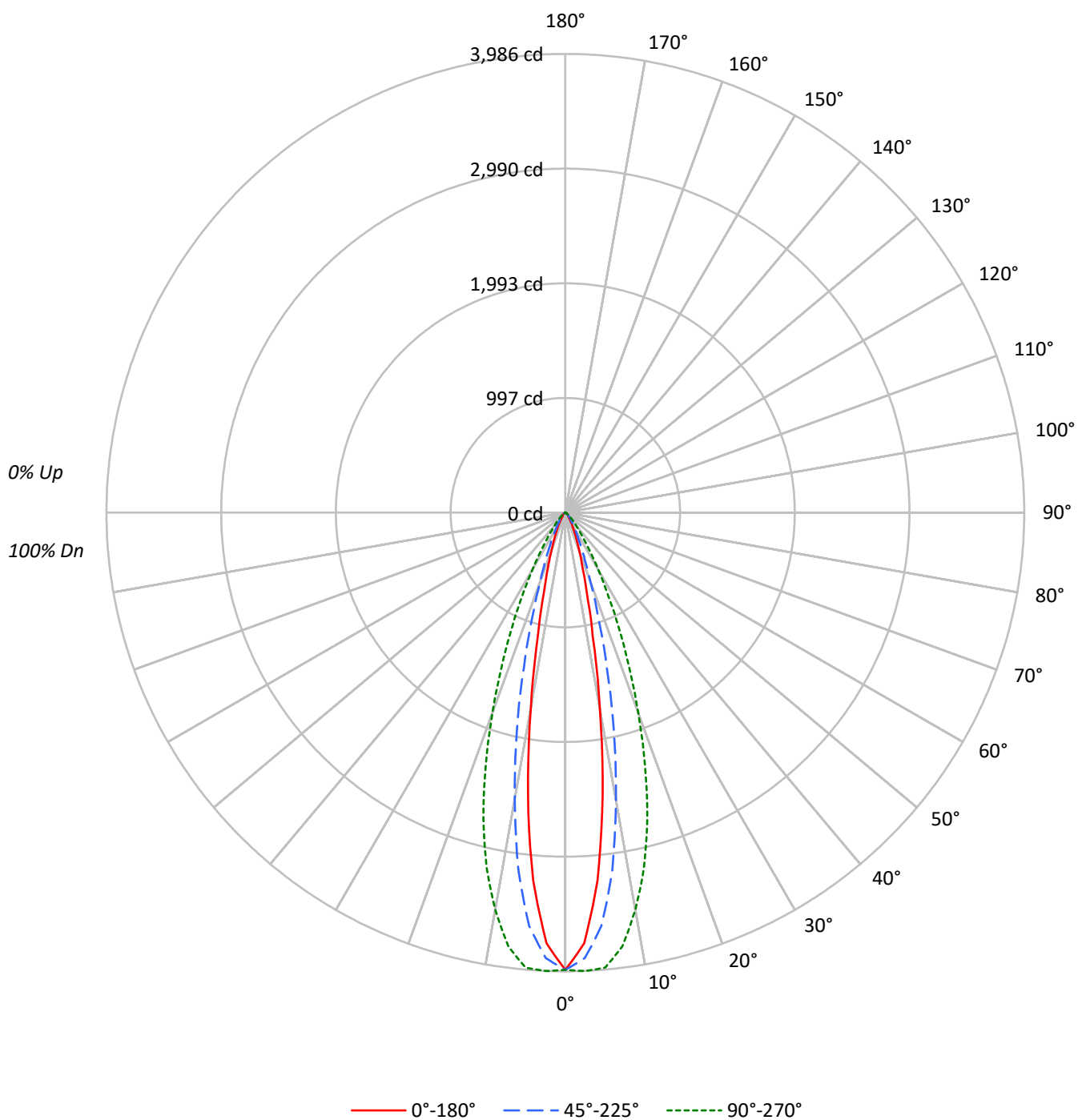
Lumens per Lamp: N/A
Luminaire Lumens: 1119.7 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1960126	1960126	1960126
5°	1588800	1784472	1965237
10°	863827	1266960	1754857
15°	365351	710986	1404708
20°	186489	334336	971296
25°	103266	171039	591996
30°	57823	94967	322841
35°	33487	57518	164484
40°	24924	43601	91067
45°	21908	29514	53934
50°	23180	19495	28783
55°	16601	13504	15569
60°	10755	9571	9571
65°	8405	8405	8405
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: 53934 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.6	27.6
10°-20°	437.8	39.1
20°-30°	225.5	20.1
30°-40°	83.0	7.4
40°-50°	36.5	3.3
50°-60°	16.0	1.4
60°-70°	7.0	0.6
70°-80°	3.5	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°	972.8	86.9
0°-40°	1055.8	94.3
0°-60°	1108.2	99.0
0°-90°	1119.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1119.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3973	3973	3973	3973	3973	
5°	3208	3317	3603	3858	3968	258
15°	715	831	1392	2322	2750	219
25°	190	213	314	721	1088	91
35°	56	64	96	167	273	38
45°	31	36	42	51	77	25
55°	19	17	16	17	18	18
65°	7	7	7	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°	3973.0	3973.0	3973.0	3973.0	3973.0
2.5°	3745.8	3790.5	3873.9	3953.7	3986.3
5°	3208.1	3316.9	3603.2	3858.2	3968.2
7.5°	2484.3	2663.2	3127.2	3604.4	3800.2
10°	1724.3	1905.5	2529.0	3215.4	3502.9
12.5°	1099.6	1276.0	1949.0	2784.0	3157.4
15°	715.3	831.3	1392.0	2322.4	2750.2
17.5°	496.6	578.8	947.3	1833.0	2299.4
20°	355.2	413.2	636.8	1398.0	1850.0
22.5°	257.4	297.2	442.2	1021.0	1437.9
25°	189.7	212.7	314.2	721.4	1087.5
27.5°	140.2	154.7	227.2	497.8	795.1
30°	101.5	113.6	166.7	342.0	566.7
32.5°	73.7	84.6	124.5	236.8	395.1
35°	55.6	64.0	95.5	166.7	273.1
37.5°	45.9	50.7	78.5	120.8	193.3
40°	38.7	43.5	67.7	89.4	141.4
42.5°	33.8	39.9	55.6	66.5	106.3
45°	31.4	36.2	42.3	50.7	77.3
47.5°	31.4	30.2	32.6	38.7	54.4
50°	30.2	25.4	25.4	30.2	37.5
52.5°	25.4	20.5	20.5	21.7	25.4
55°	19.3	16.9	15.7	16.9	18.1
57.5°	14.5	14.5	13.3	12.1	13.3
60°	10.9	10.9	9.7	9.7	9.7
62.5°	8.5	8.5	8.5	7.2	8.5
65°	7.2	7.2	7.2	6.0	7.2
67.5°	6.0	6.0	4.8	6.0	6.0
70°	4.8	4.8	4.8	4.8	4.8
72.5°	3.6	3.6	3.6	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)