

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: P1178629

Luminaire Tested: LDA2B108027R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178629
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: LDA2B108027R2040D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

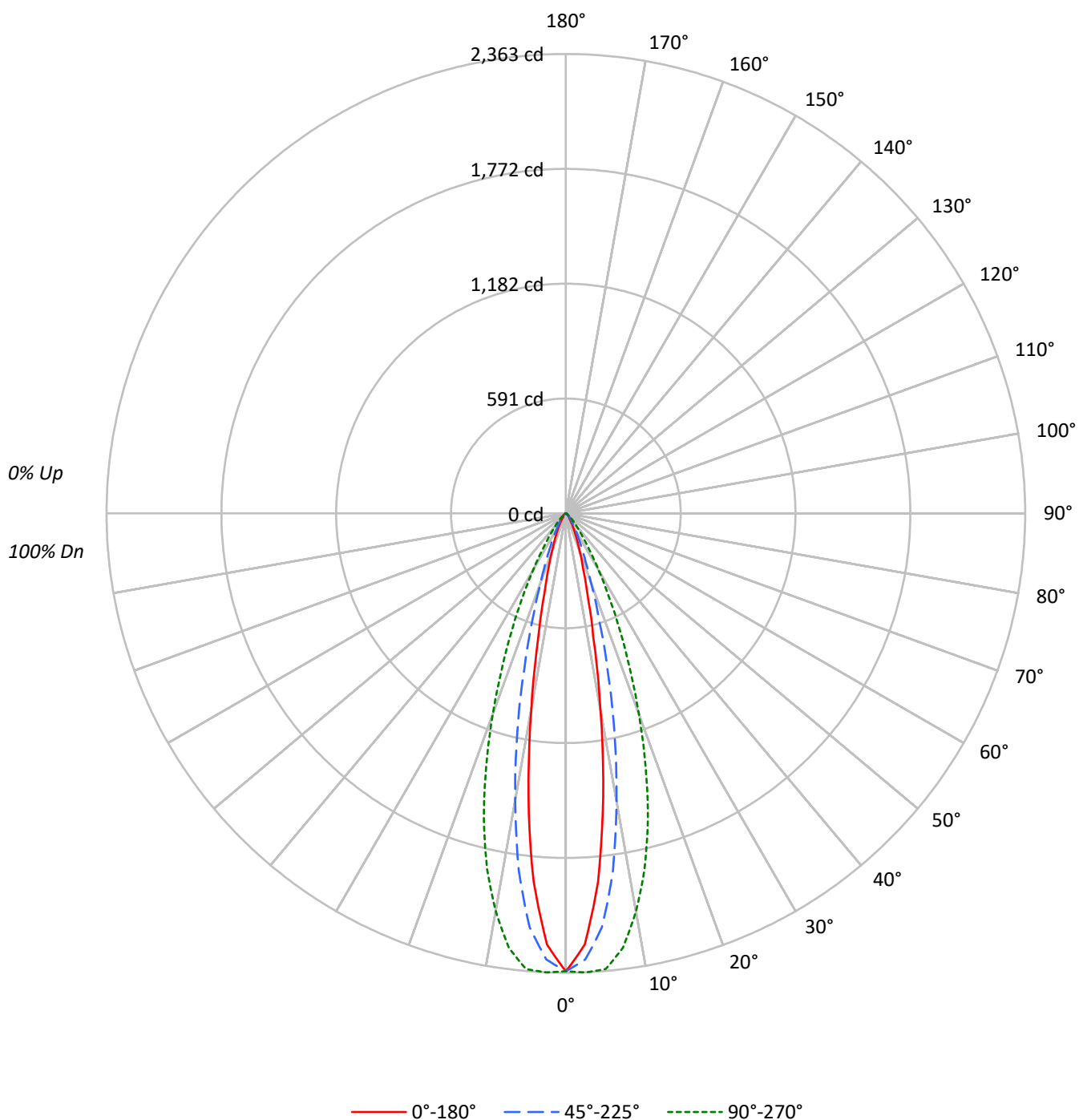
Lumens per Lamp: N/A
Luminaire Lumens: 663.8 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	100	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	71
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°	1162114	1162114	1162114
5°	941959	1057945	1165117
10°	512144	751158	1040420
15°	216616	421535	832803
20°	110570	198197	575847
25°	61241	101415	350952
30°	34295	56342	191414
35°	19875	34089	97510
40°	14748	25826	53970
45°	12978	17513	31956
50°	13739	11513	17039
55°	9892	7999	9204
60°	6315	5624	5624
65°	5020	5020	5020
70°	4183	4183	4183
75°	4003	4003	4003
80°	3978	3978	3978
85°	3962	3962	3962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 31956 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.5	27.6
10°-20°	259.5	39.1
20°-30°	133.7	20.1
30°-40°	49.2	7.4
40°-50°	21.6	3.3
50°-60°	9.5	1.4
60°-70°	4.2	0.6
70°-80°	2.0	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°	576.8	86.9
0°-40°	626.0	94.3
0°-60°	657.0	99.0
0°-90°	663.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2356	2356	2356	2356	2356	
5°	1902	1966	2136	2287	2353	153
15°	424	493	825	1377	1630	130
25°	112	126	186	428	645	54
35°	33	38	57	99	162	22
45°	19	22	25	30	46	15
55°	12	10	9	10	11	10
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°	2355.5	2355.5	2355.5	2355.5	2355.5
2.5°	2220.8	2247.3	2296.7	2344.0	2363.3
5°	1902.0	1966.5	2136.2	2287.4	2352.6
7.5°	1472.9	1578.9	1854.0	2137.0	2253.0
10°	1022.3	1129.7	1499.4	1906.3	2076.8
12.5°	651.9	756.5	1155.5	1650.5	1871.9
15°	424.1	492.9	825.3	1376.9	1630.5
17.5°	294.4	343.1	561.6	1086.7	1363.3
20°	210.6	245.0	377.5	828.8	1096.8
22.5°	152.6	176.2	262.2	605.3	852.5
25°	112.5	126.1	186.3	427.7	644.7
27.5°	83.1	91.7	134.7	295.1	471.4
30°	60.2	67.3	98.9	202.7	336.0
32.5°	43.7	50.1	73.8	140.4	234.3
35°	33.0	38.0	56.6	98.9	161.9
37.5°	27.2	30.1	46.6	71.6	114.6
40°	22.9	25.8	40.1	53.0	83.8
42.5°	20.1	23.6	33.0	39.4	63.0
45°	18.6	21.5	25.1	30.1	45.8
47.5°	18.6	17.9	19.3	22.9	32.2
50°	17.9	15.0	15.0	17.9	22.2
52.5°	15.0	12.2	12.2	12.9	15.0
55°	11.5	10.0	9.3	10.0	10.7
57.5°	8.6	8.6	7.9	7.2	7.9
60°	6.4	6.4	5.7	5.7	5.7
62.5°	5.0	5.0	5.0	4.3	5.0
65°	4.3	4.3	4.3	3.6	4.3
67.5°	3.6	3.6	2.9	3.6	3.6
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
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)