

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: P1178780

Luminaire Tested: LDA2B108050R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178780
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 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

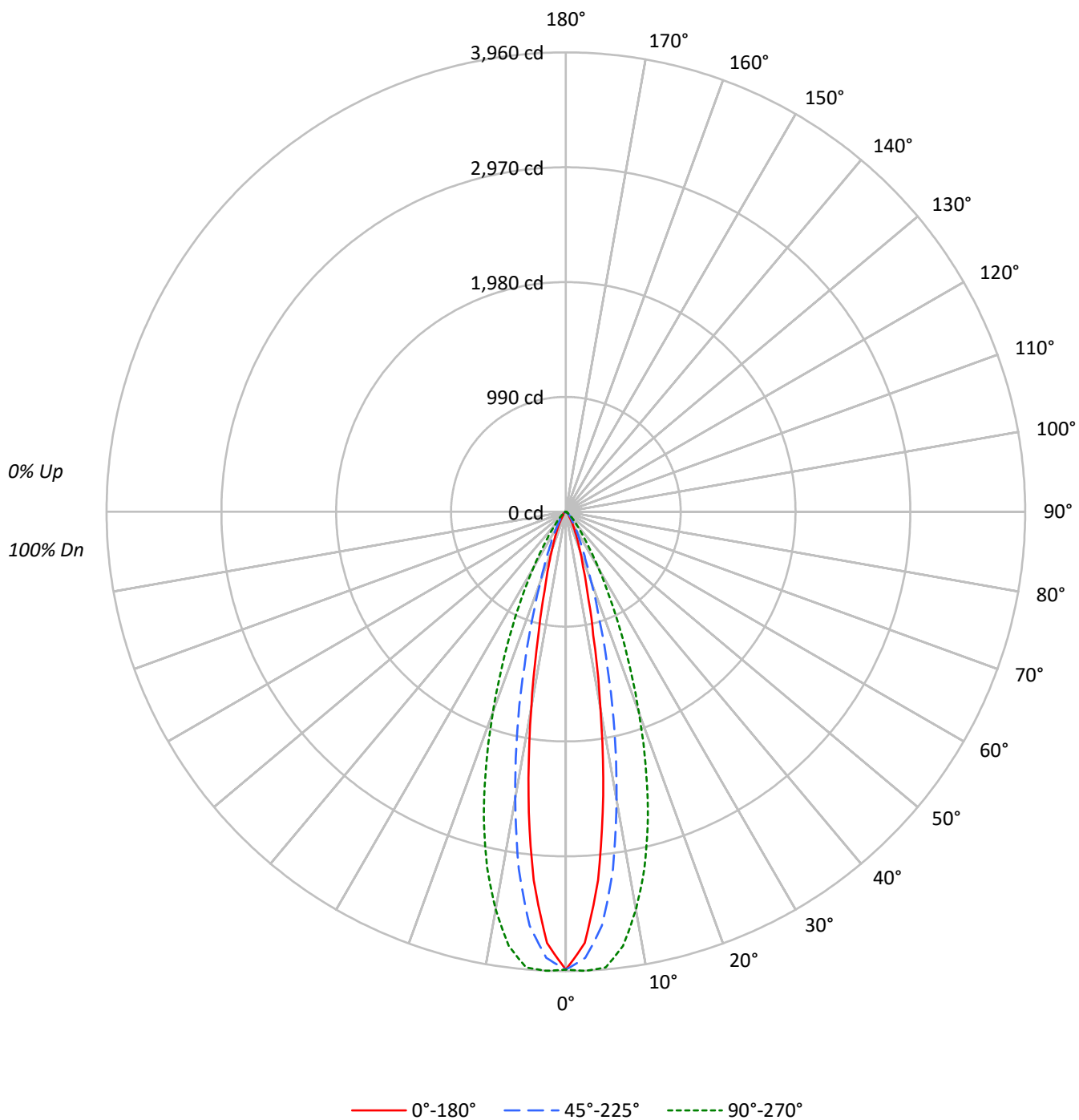
Lumens per Lamp: N/A
Luminaire Lumens: 1112.4 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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	95	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	94	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°	1947348	1947348	1947348
5°	1578449	1772833	1952410
10°	858166	1258694	1743435
15°	363001	706338	1395514
20°	185281	332131	964943
25°	102613	169896	588131
30°	57424	94397	320733
35°	33246	57096	163400
40°	24731	43279	90487
45°	21769	29304	53585
50°	23026	19342	28552
55°	16515	13418	15483
60°	10657	9473	9473
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: 53585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.6	27.6
10°-20°	434.9	39.1
20°-30°	224.0	20.1
30°-40°	82.4	7.4
40°-50°	36.2	3.3
50°-60°	15.9	1.4
60°-70°	6.9	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°	966.5	86.9
0°-40°	1048.9	94.3
0°-60°	1101.0	99.0
0°-90°	1112.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1112.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3947	3947	3947	3947	3947	
5°	3187	3295	3580	3833	3942	256
15°	711	826	1383	2307	2732	217
25°	188	211	312	717	1080	90
35°	55	64	95	166	271	38
45°	31	36	42	50	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°	3947.1	3947.1	3947.1	3947.1	3947.1
2.5°	3721.4	3765.8	3848.6	3927.9	3960.3
5°	3187.2	3295.2	3579.7	3833.0	3942.3
7.5°	2468.1	2645.8	3106.8	3580.9	3775.4
10°	1713.0	1893.1	2512.5	3194.4	3480.1
12.5°	1092.4	1267.7	1936.3	2765.8	3136.8
15°	710.7	825.9	1382.9	2307.3	2732.2
17.5°	493.4	575.0	941.2	1821.1	2284.5
20°	352.9	410.6	632.6	1388.9	1837.9
22.5°	255.7	295.3	439.4	1014.4	1428.5
25°	188.5	211.3	312.1	716.7	1080.4
27.5°	139.3	153.7	225.7	494.6	789.9
30°	100.8	112.8	165.7	339.7	563.0
32.5°	73.2	84.0	123.6	235.3	392.5
35°	55.2	63.6	94.8	165.7	271.3
37.5°	45.6	50.4	78.0	120.0	192.1
40°	38.4	43.2	67.2	88.8	140.5
42.5°	33.6	39.6	55.2	66.0	105.6
45°	31.2	36.0	42.0	50.4	76.8
47.5°	31.2	30.0	32.4	38.4	54.0
50°	30.0	25.2	25.2	30.0	37.2
52.5°	25.2	20.4	20.4	21.6	25.2
55°	19.2	16.8	15.6	16.8	18.0
57.5°	14.4	14.4	13.2	12.0	13.2
60°	10.8	10.8	9.6	9.6	9.6
62.5°	8.4	8.4	8.4	7.2	8.4
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)