

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: P1178667

Luminaire Tested: LDA2B108030R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178667
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: LDA2B108030R2040D010 2LBDC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

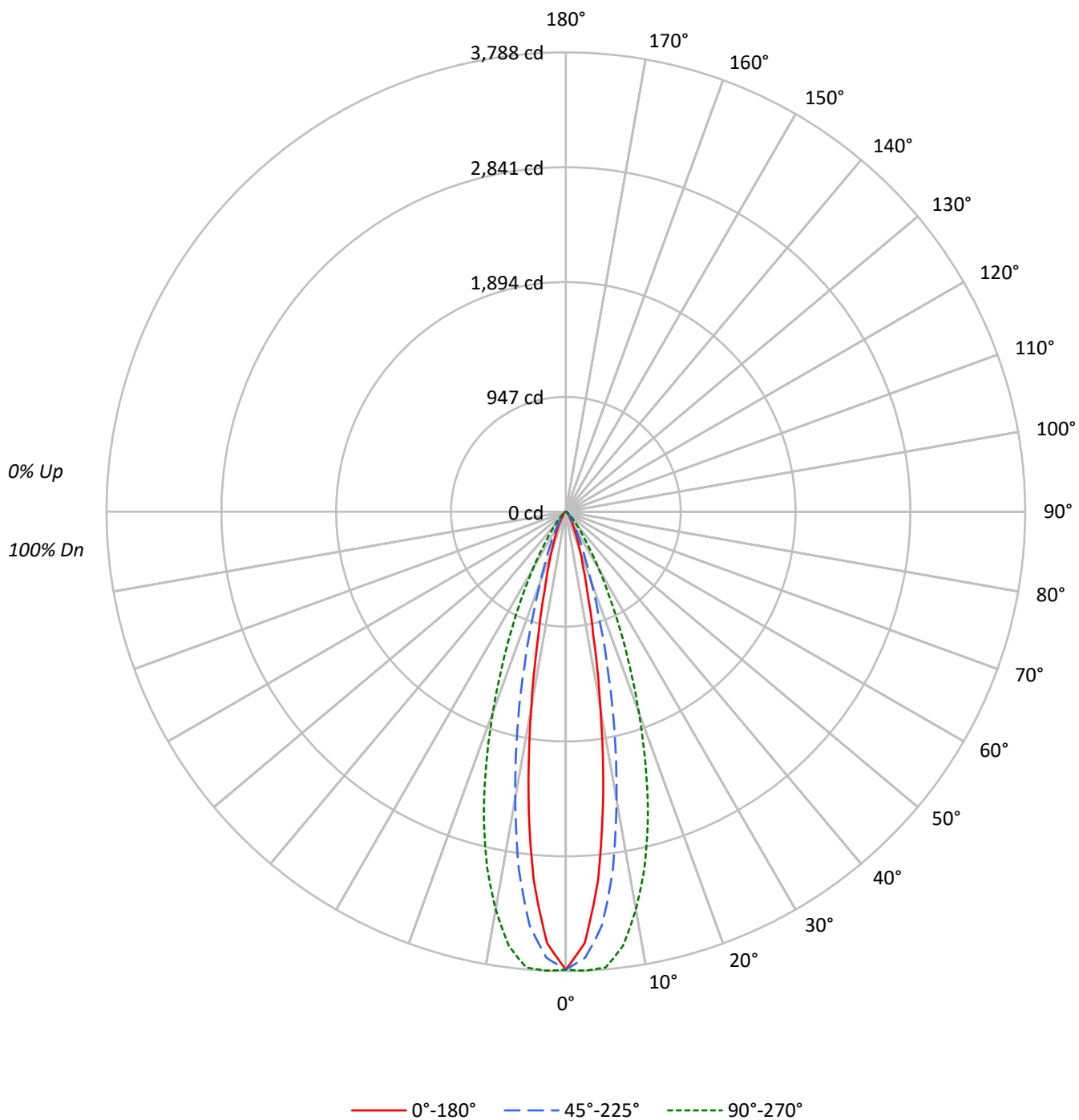
Lumens per Lamp: N/A
Luminaire Lumens: 1063.9 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	100	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	96	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	95	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°	1862441	1862441	1862441
5°	1509610	1695575	1867277
10°	820794	1203837	1667437
15°	347167	675539	1334682
20°	177196	317692	922888
25°	98149	162493	562492
30°	54918	90238	306775
35°	31801	54627	156293
40°	23636	41412	86494
45°	20862	28048	51282
50°	22028	18498	27324
55°	15827	12816	14795
60°	10163	9078	9078
65°	8055	8055	8055
70°	6635	6635	6635
75°	6481	6481	6481
80°	6535	6535	6535
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 51282 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.1	27.6
10°-20°	415.9	39.1
20°-30°	214.3	20.1
30°-40°	78.8	7.4
40°-50°	34.6	3.3
50°-60°	15.2	1.4
60°-70°	6.6	0.6
70°-80°	3.3	0.3
80°-90°	0.9	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°	924.4	86.9
0°-40°	1003.2	94.3
0°-60°	1053.0	99.0
0°-90°	1063.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1063.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3775	3775	3775	3775	3775	
5°	3048	3152	3424	3666	3770	245
15°	680	790	1323	2207	2613	208
25°	180	202	298	685	1033	87
35°	53	61	91	158	260	36
45°	30	34	40	48	74	24
55°	18	16	15	16	17	17
65°	7	7	7	6	7	7
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°	3775.0	3775.0	3775.0	3775.0	3775.0
2.5°	3559.1	3601.6	3680.8	3756.6	3787.6
5°	3048.2	3151.6	3423.7	3665.9	3770.4
7.5°	2360.5	2530.4	2971.3	3424.8	3610.8
10°	1638.4	1810.6	2403.0	3055.1	3328.4
12.5°	1044.8	1212.4	1851.9	2645.2	3000.0
15°	679.7	789.9	1322.6	2206.7	2613.1
17.5°	471.9	549.9	900.1	1741.7	2184.9
20°	337.5	392.7	605.1	1328.4	1757.8
22.5°	244.5	282.4	420.2	970.2	1366.2
25°	180.3	202.1	298.5	685.4	1033.3
27.5°	133.2	147.0	215.8	473.0	755.5
30°	96.4	107.9	158.4	324.9	538.5
32.5°	70.0	80.4	118.3	225.0	375.4
35°	52.8	60.8	90.7	158.4	259.5
37.5°	43.6	48.2	74.6	114.8	183.7
40°	36.7	41.3	64.3	85.0	134.3
42.5°	32.1	37.9	52.8	63.1	101.0
45°	29.9	34.4	40.2	48.2	73.5
47.5°	29.9	28.7	31.0	36.7	51.7
50°	28.7	24.1	24.1	28.7	35.6
52.5°	24.1	19.5	19.5	20.7	24.1
55°	18.4	16.1	14.9	16.1	17.2
57.5°	13.8	13.8	12.6	11.5	12.6
60°	10.3	10.3	9.2	9.2	9.2
62.5°	8.0	8.0	8.0	6.9	8.0
65°	6.9	6.9	6.9	5.7	6.9
67.5°	5.7	5.7	4.6	5.7	5.7
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.4	3.4	3.4	3.4	3.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
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)