

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: P1178705

Luminaire Tested: LDA2B108035R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178705
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: LDA2B108035R2040D010 2LBDC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

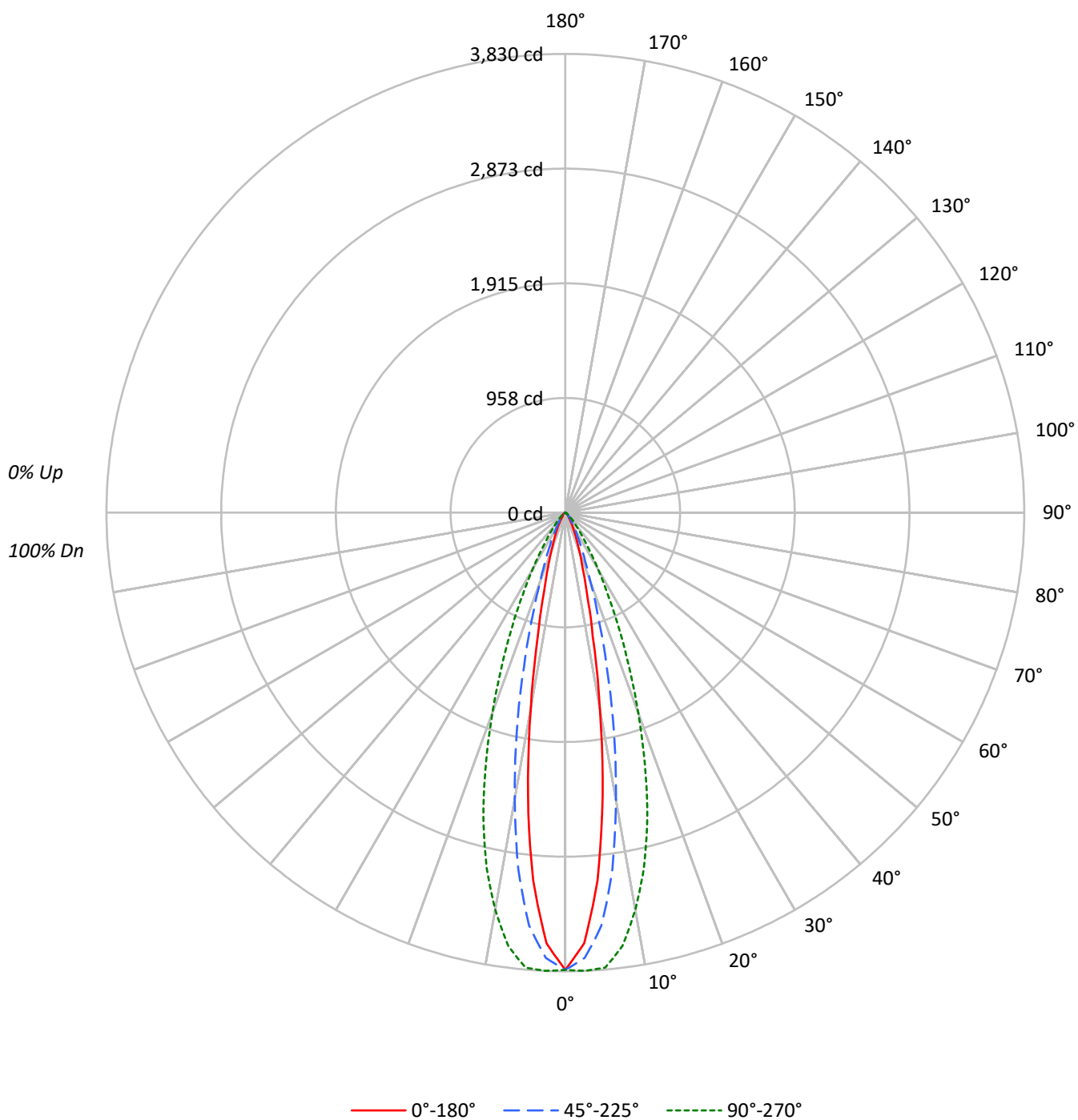
Lumens per Lamp: N/A
Luminaire Lumens: 1075.8 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1883113	1883113	1883113
5°	1526399	1714394	1887978
10°	829861	1217213	1685923
15°	350998	683047	1349494
20°	179191	321210	933126
25°	99238	164289	568752
30°	55544	91264	310137
35°	32162	55229	158039
40°	23894	41862	87460
45°	21071	28327	51841
50°	22259	18728	27631
55°	15999	12988	14967
60°	10262	9177	9177
65°	8172	8172	8172
70°	6635	6635	6635
75°	6672	6672	6672
80°	6535	6535	6535
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 51841 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.4	27.6
10°-20°	420.6	39.1
20°-30°	216.6	20.1
30°-40°	79.7	7.4
40°-50°	35.0	3.3
50°-60°	15.4	1.4
60°-70°	6.7	0.6
70°-80°	3.4	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°	934.6	86.9
0°-40°	1014.3	94.3
0°-60°	1064.7	99.0
0°-90°	1075.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3817	3817	3817	3817	3817	
5°	3082	3186	3462	3707	3812	248
15°	687	799	1337	2231	2642	210
25°	182	204	302	693	1045	87
35°	53	62	92	160	262	36
45°	30	35	41	49	74	24
55°	19	16	15	16	17	17
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°	3816.9	3816.9	3816.9	3816.9	3816.9
2.5°	3598.6	3641.6	3721.7	3798.3	3829.6
5°	3082.1	3186.5	3461.7	3706.6	3812.2
7.5°	2386.7	2558.5	3004.3	3462.8	3650.9
10°	1656.5	1830.7	2429.7	3089.0	3365.3
12.5°	1056.4	1225.9	1872.4	2674.6	3033.3
15°	687.2	798.7	1337.3	2231.2	2642.1
17.5°	477.1	556.0	910.1	1761.0	2209.1
20°	341.3	397.0	611.8	1343.1	1777.3
22.5°	247.3	285.6	424.9	980.9	1381.4
25°	182.3	204.3	301.8	693.0	1044.8
27.5°	134.7	148.6	218.2	478.3	763.8
30°	97.5	109.1	160.2	328.5	544.4
32.5°	70.8	81.3	119.6	227.5	379.6
35°	53.4	61.5	91.7	160.2	262.4
37.5°	44.1	48.8	75.5	116.1	185.7
40°	37.1	41.8	65.0	85.9	135.8
42.5°	32.5	38.3	53.4	63.8	102.2
45°	30.2	34.8	40.6	48.8	74.3
47.5°	30.2	29.0	31.3	37.1	52.2
50°	29.0	24.4	24.4	29.0	36.0
52.5°	24.4	19.7	19.7	20.9	24.4
55°	18.6	16.3	15.1	16.3	17.4
57.5°	13.9	13.9	12.8	11.6	12.8
60°	10.4	10.4	9.3	9.3	9.3
62.5°	8.1	8.1	8.1	7.0	8.1
65°	7.0	7.0	7.0	5.8	7.0
67.5°	5.8	5.8	4.6	5.8	5.8
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.5	3.5	3.5	3.5	3.5
75°	3.5	3.5	3.5	3.5	3.5
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°	1.2	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)