

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: P1179783

Luminaire Tested: LDA2B208050R2040D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179783
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: LDA2B208050R2040D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

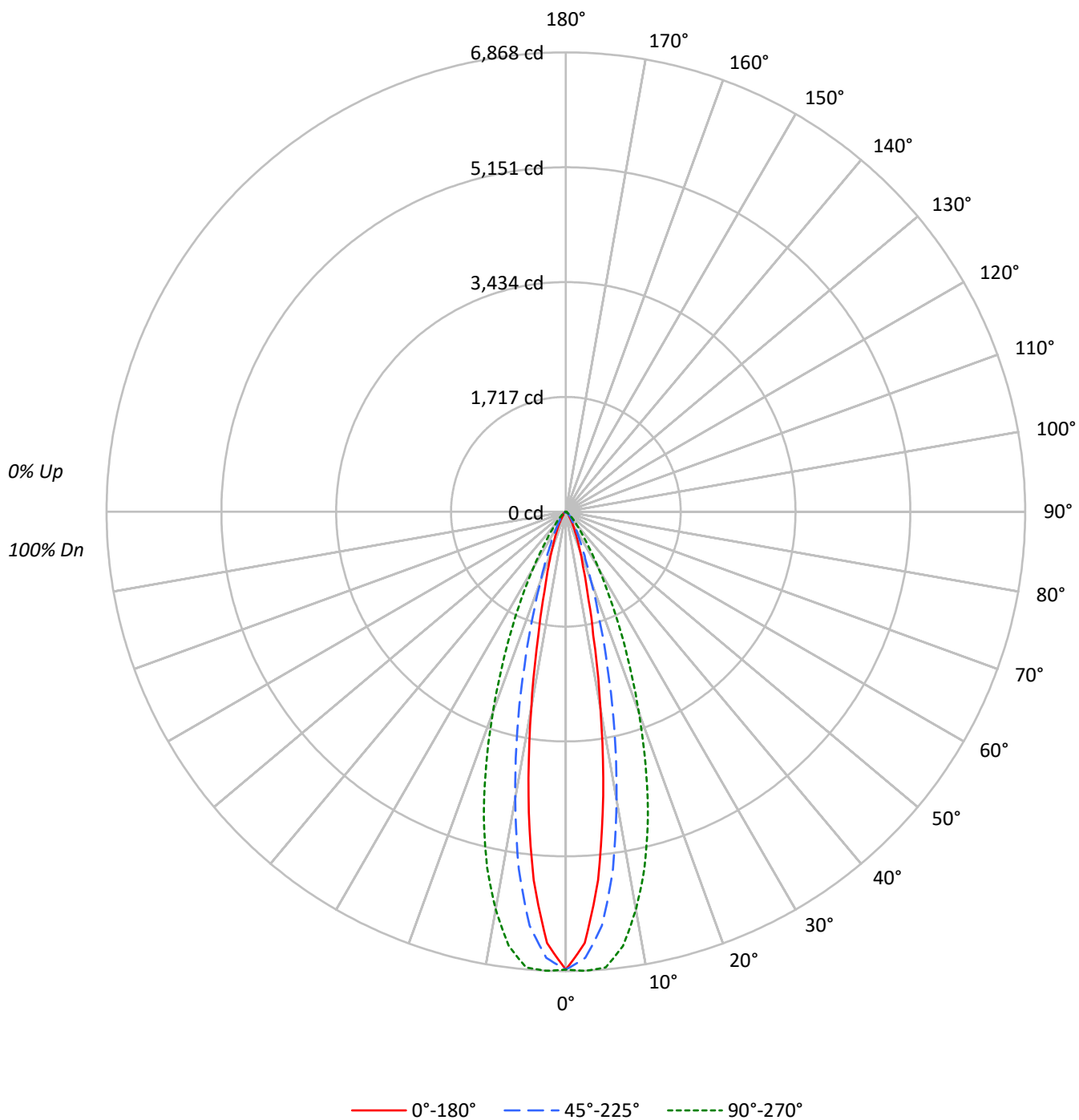
Lumens per Lamp: N/A
Luminaire Lumens: 1929.3 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	99	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	95	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	94	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°	3377259	3377259	3377259
5°	2737474	3074638	3386049
10°	1488340	2182988	3023621
15°	629519	1225020	2420263
20°	321368	576057	1673464
25°	177953	294665	1019976
30°	99638	163671	556241
35°	57699	99076	283374
40°	42893	75095	156888
45°	37747	50864	92936
50°	39912	33541	49506
55°	28643	23310	26837
60°	18452	16478	16478
65°	14592	14592	14592
70°	11973	11973	11973
75°	11818	11818	11818
80°	11933	11933	11933
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 92936 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.4	27.6
10°-20°	754.2	39.1
20°-30°	388.6	20.1
30°-40°	143.0	7.4
40°-50°	62.8	3.3
50°-60°	27.5	1.4
60°-70°	12.1	0.6
70°-80°	6.0	0.3
80°-90°	1.7	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°	1676.2	86.9
0°-40°	1819.2	94.3
0°-60°	1909.5	99.0
0°-90°	1929.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1929.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6845	6845	6845	6845	6845	
5°	5528	5715	6208	6648	6837	445
15°	1232	1432	2398	4002	4738	377
25°	327	366	541	1243	1874	157
35°	96	110	164	287	470	65
45°	54	62	73	87	133	44
55°	33	29	27	29	31	31
65°	12	12	12	10	12	13
75°	6	6	6	6	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6845.4	6845.4	6845.4	6845.4	6845.4
2.5°	6454.0	6531.0	6674.7	6812.1	6868.3
5°	5527.5	5714.9	6208.3	6647.6	6837.1
7.5°	4280.4	4588.6	5388.0	6210.4	6547.7
10°	2970.9	3283.2	4357.5	5540.0	6035.5
12.5°	1894.6	2198.5	3358.2	4796.8	5440.1
15°	1232.5	1432.4	2398.4	4001.5	4738.5
17.5°	855.7	997.2	1632.2	3158.3	3961.9
20°	612.1	712.0	1097.2	2408.8	3187.4
22.5°	443.5	512.2	762.0	1759.2	2477.5
25°	326.9	366.4	541.3	1242.9	1873.7
27.5°	241.5	266.5	391.4	857.8	1369.9
30°	174.9	195.7	287.3	589.2	976.4
32.5°	127.0	145.7	214.4	408.1	680.8
35°	95.8	110.3	164.5	287.3	470.5
37.5°	79.1	87.4	135.3	208.2	333.1
40°	66.6	74.9	116.6	154.1	243.6
42.5°	58.3	68.7	95.8	114.5	183.2
45°	54.1	62.5	72.9	87.4	133.2
47.5°	54.1	52.0	56.2	66.6	93.7
50°	52.0	43.7	43.7	52.0	64.5
52.5°	43.7	35.4	35.4	37.5	43.7
55°	33.3	29.1	27.1	29.1	31.2
57.5°	25.0	25.0	22.9	20.8	22.9
60°	18.7	18.7	16.7	16.7	16.7
62.5°	14.6	14.6	14.6	12.5	14.6
65°	12.5	12.5	12.5	10.4	12.5
67.5°	10.4	10.4	8.3	10.4	10.4
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.2	6.2	6.2	6.2	6.2
75°	6.2	6.2	6.2	6.2	6.2
77.5°	4.2	4.2	4.2	4.2	4.2
80°	4.2	4.2	4.2	4.2	4.2
82.5°	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1
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)