

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: P1179900

Luminaire Tested: LDA2B209030R2040D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179900
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: LDA2B209030R2040D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

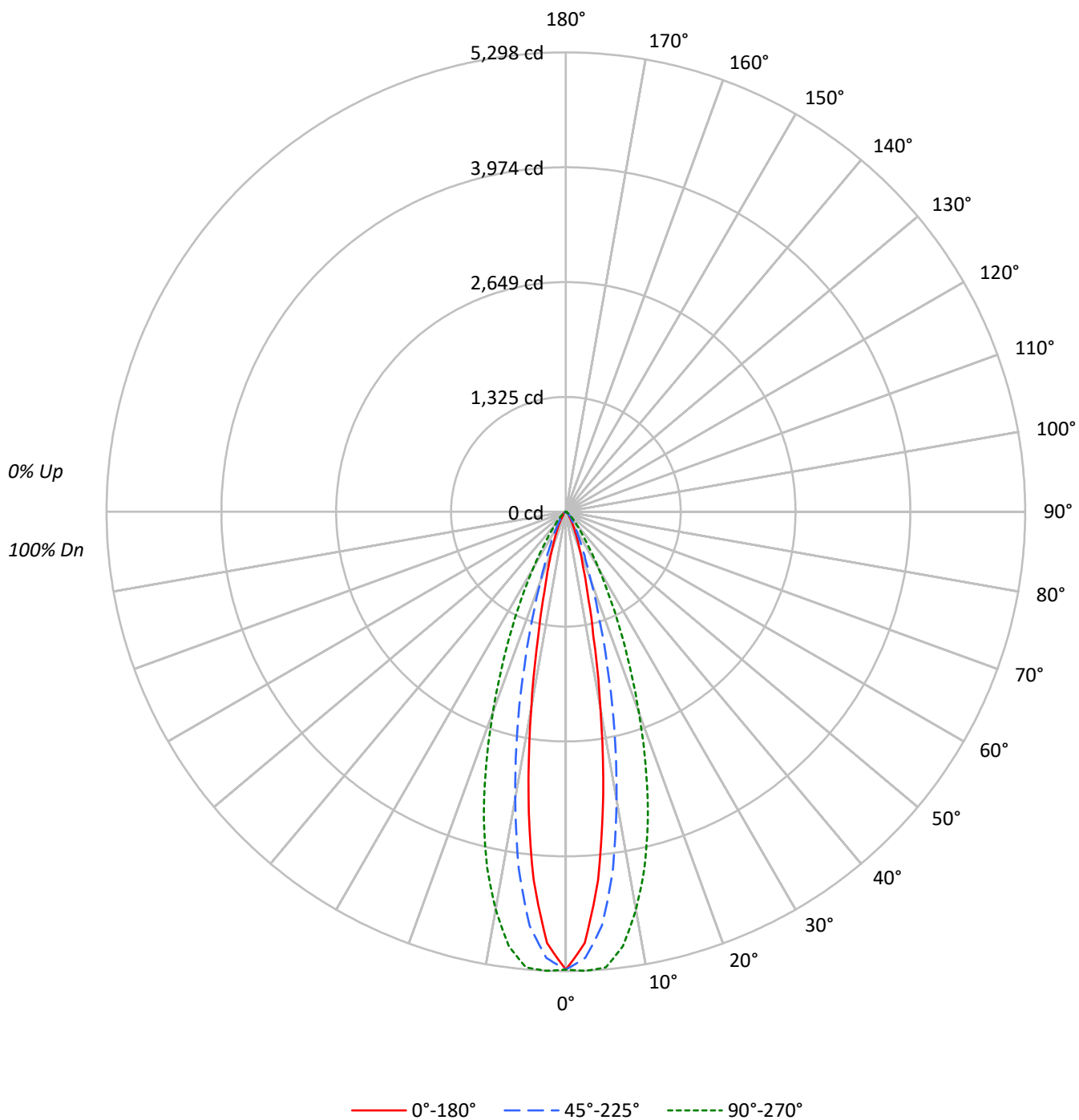
Lumens per Lamp: N/A
Luminaire Lumens: 1488.3 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2605345	2605345	2605345
5°	2111780	2371883	2612127
10°	1148179	1684020	2332529
15°	485636	945019	1867053
20°	247917	444381	1290983
25°	137289	227327	786879
30°	76851	126242	429144
35°	44509	76430	218629
40°	33104	57899	121015
45°	29165	39212	71726
50°	30855	25866	38223
55°	22106	17977	20730
60°	14307	12630	12630
65°	11207	11207	11207
70°	9232	9232	9232
75°	9150	9150	9150
80°	9092	9092	9092
85°	9057	9057	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 71726 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.5	27.6
10°-20°	581.9	39.1
20°-30°	299.7	20.1
30°-40°	110.3	7.4
40°-50°	48.5	3.3
50°-60°	21.3	1.4
60°-70°	9.3	0.6
70°-80°	4.6	0.3
80°-90°	1.3	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°	1293.1	86.9
0°-40°	1403.4	94.3
0°-60°	1473.1	99.0
0°-90°	1488.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5281	5281	5281	5281	5281	
5°	4264	4409	4789	5128	5274	343
15°	951	1105	1850	3087	3655	291
25°	252	283	418	959	1446	121
35°	74	85	127	222	363	50
45°	42	48	56	68	103	34
55°	26	22	21	22	24	24
65°	10	10	10	8	10	10
75°	5	5	5	5	5	5
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5280.8	5280.8	5280.8	5280.8	5280.8
2.5°	4978.8	5038.3	5149.1	5255.1	5298.5
5°	4264.1	4408.7	4789.3	5128.2	5274.4
7.5°	3302.1	3539.8	4156.5	4790.9	5051.1
10°	2291.9	2532.8	3361.5	4273.8	4656.0
12.5°	1461.5	1696.0	2590.6	3700.4	4196.7
15°	950.8	1105.0	1850.2	3086.9	3655.4
17.5°	660.1	769.3	1259.2	2436.4	3056.4
20°	472.2	549.3	846.4	1858.2	2458.9
22.5°	342.1	395.1	587.8	1357.1	1911.2
25°	252.2	282.7	417.6	958.8	1445.5
27.5°	186.3	205.6	301.9	661.7	1056.8
30°	134.9	151.0	221.6	454.5	753.3
32.5°	98.0	112.4	165.4	314.8	525.2
35°	73.9	85.1	126.9	221.6	363.0
37.5°	61.0	67.5	104.4	160.6	257.0
40°	51.4	57.8	89.9	118.8	187.9
42.5°	45.0	53.0	73.9	88.3	141.3
45°	41.8	48.2	56.2	67.5	102.8
47.5°	41.8	40.2	43.4	51.4	72.3
50°	40.2	33.7	33.7	40.2	49.8
52.5°	33.7	27.3	27.3	28.9	33.7
55°	25.7	22.5	20.9	22.5	24.1
57.5°	19.3	19.3	17.7	16.1	17.7
60°	14.5	14.5	12.8	12.8	12.8
62.5°	11.2	11.2	11.2	9.6	11.2
65°	9.6	9.6	9.6	8.0	9.6
67.5°	8.0	8.0	6.4	8.0	8.0
70°	6.4	6.4	6.4	6.4	6.4
72.5°	4.8	4.8	4.8	4.8	4.8
75°	4.8	4.8	4.8	4.8	4.8
77.5°	3.2	3.2	3.2	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6
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)