

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: P1179763

Luminaire Tested: LDA2B208040R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B208040R2050D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

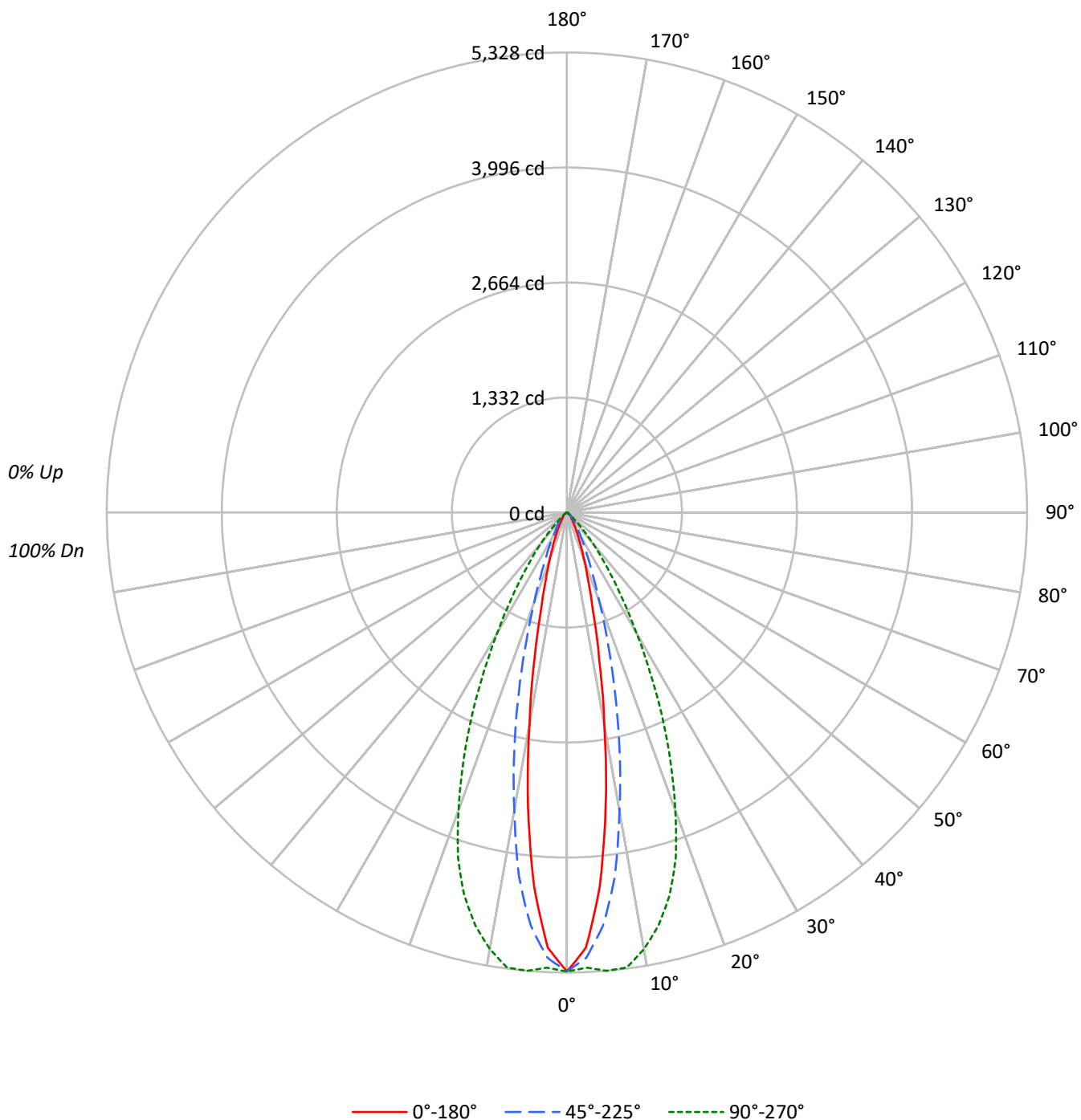
Lumens per Lamp: N/A
Luminaire Lumens: 1910.2 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2621873	2621873	2621873
5°	2155560	2378322	2638474
10°	1251229	1757462	2572395
15°	582937	1094571	2344210
20°	307192	577107	1926788
25°	170114	312465	1421118
30°	99752	183040	919073
35°	64083	122806	544585
40°	49977	82759	302569
45°	43328	49468	134520
50°	39144	34002	49352
55°	26665	24772	22880
60°	19636	17465	17465
65°	15526	12958	15526
70°	12838	12838	12838
75°	12581	12581	12581
80°	12501	12501	12501
85°	12454	12454	12454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 134520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.1	22.2
10°-20°	692.8	36.3
20°-30°	462.2	24.2
30°-40°	208.3	10.9
40°-50°	76.3	4.0
50°-60°	26.7	1.4
60°-70°	12.5	0.7
70°-80°	6.5	0.3
80°-90°	1.8	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°	1578.1	82.6
0°-40°	1786.5	93.5
0°-60°	1889.4	98.9
0°-90°	1910.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1910.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5314	5314	5314	5314	5314	
5°	4352	4488	4802	5152	5328	355
15°	1141	1341	2143	3621	4590	342
25°	312	363	574	1565	2611	151
35°	106	120	204	441	904	71
45°	62	62	71	111	193	49
55°	31	29	29	24	27	29
65°	13	13	11	11	13	13
75°	7	7	7	7	7	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°	5314.3	5314.3	5314.3	5314.3	5314.3
2.5°	5046.1	5099.3	5161.4	5225.6	5276.6
5°	4352.5	4487.7	4802.3	5152.5	5327.6
7.5°	3441.6	3641.1	4252.7	4944.2	5314.3
10°	2497.6	2752.4	3508.1	4582.9	5134.8
12.5°	1717.5	1956.8	2814.5	4126.4	4897.6
15°	1141.3	1340.8	2143.0	3621.1	4589.6
17.5°	804.5	939.6	1557.9	3069.3	4192.9
20°	585.1	675.9	1099.2	2528.6	3669.9
22.5°	425.5	494.2	782.3	2021.1	3140.2
25°	312.5	363.4	574.0	1564.6	2610.6
27.5°	232.7	272.6	429.9	1187.8	2080.9
30°	175.1	208.3	321.3	875.4	1613.3
32.5°	135.2	157.3	246.0	624.9	1221.1
35°	106.4	119.7	203.9	441.0	904.2
37.5°	88.6	97.5	168.4	308.0	662.6
40°	77.6	84.2	128.5	219.4	469.8
42.5°	68.7	73.1	93.1	157.3	305.8
45°	62.1	62.1	70.9	110.8	192.8
47.5°	57.6	51.0	55.4	77.6	113.0
50°	51.0	42.1	44.3	53.2	64.3
52.5°	39.9	35.5	35.5	35.5	37.7
55°	31.0	28.8	28.8	24.4	26.6
57.5°	24.4	24.4	22.2	19.9	22.2
60°	19.9	19.9	17.7	15.5	17.7
62.5°	15.5	15.5	13.3	13.3	15.5
65°	13.3	13.3	11.1	11.1	13.3
67.5°	11.1	11.1	11.1	8.9	11.1
70°	8.9	8.9	8.9	8.9	8.9
72.5°	6.6	6.6	8.9	6.6	6.6
75°	6.6	6.6	6.6	6.6	6.6
77.5°	4.4	4.4	4.4	4.4	4.4
80°	4.4	4.4	4.4	4.4	4.4
82.5°	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2
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)