

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: P1179648

Luminaire Tested: LDA2B208027R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179648
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: LDA2B208027R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

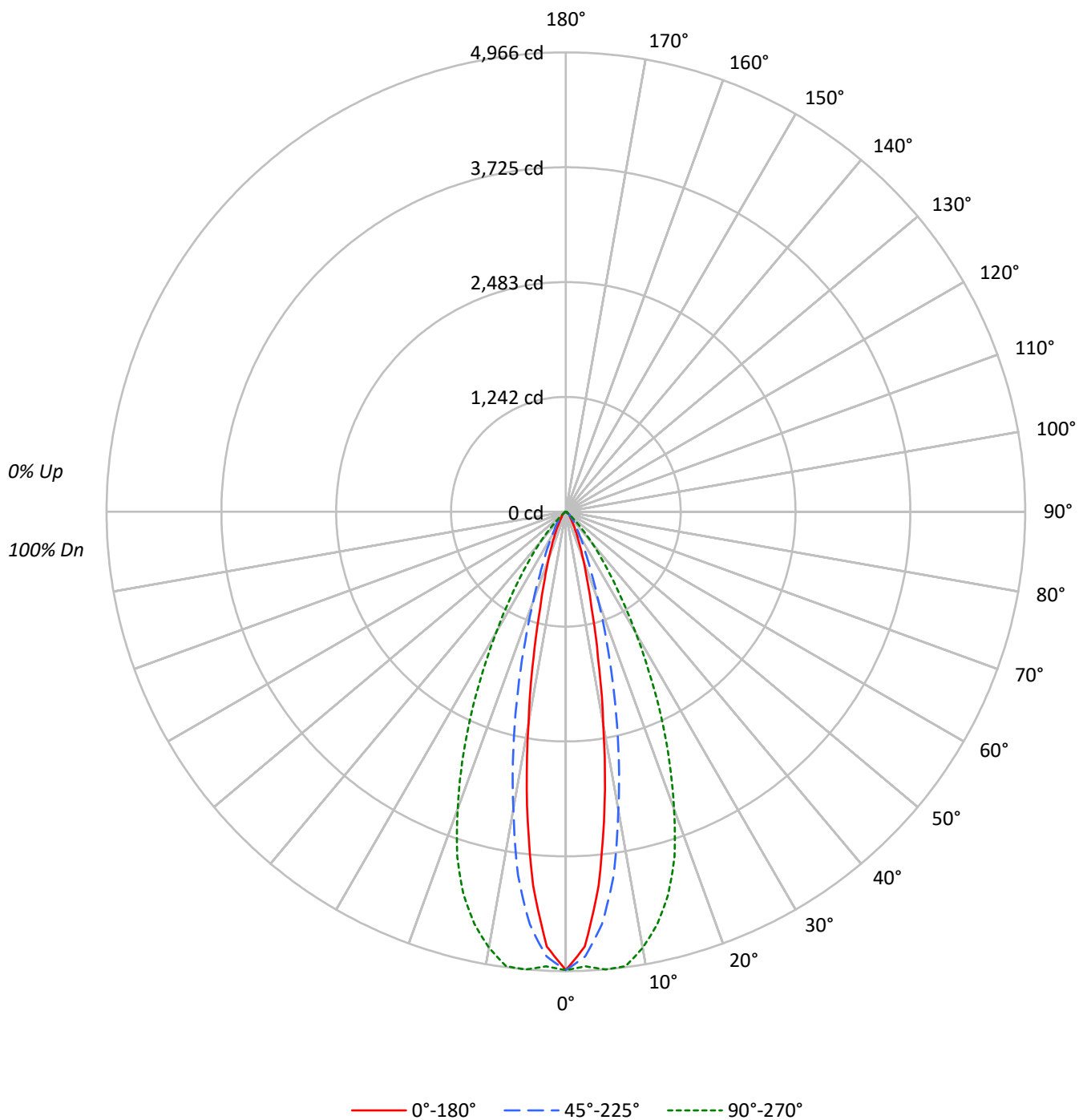
Lumens per Lamp: N/A
Luminaire Lumens: 1780.8 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	2444065	2444065	2444065
5°	2009363	2217069	2459542
10°	1166365	1638281	2397956
15°	543404	1020357	2185260
20°	286348	537993	1796109
25°	158573	291289	1324765
30°	92973	170621	856749
35°	59747	114494	507665
40°	46564	77156	282089
45°	40328	46119	125380
50°	36458	31699	45975
55°	24858	23138	21332
60°	18353	16281	16281
65°	14476	12024	14476
70°	11973	11973	11973
75°	11818	11818	11818
80°	11649	11649	11649
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 125380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.4	22.1
10°-20°	645.8	36.3
20°-30°	430.8	24.2
30°-40°	194.2	10.9
40°-50°	71.1	4.0
50°-60°	24.9	1.4
60°-70°	11.6	0.7
70°-80°	6.1	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°	1471.1	82.6
0°-40°	1665.3	93.5
0°-60°	1761.3	98.9
0°-90°	1780.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1780.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4954	4954	4954	4954	4954	
5°	4057	4183	4477	4803	4966	331
15°	1064	1250	1998	3376	4278	319
25°	291	339	535	1458	2434	141
35°	99	112	190	411	843	66
45°	58	58	66	103	180	45
55°	29	27	27	23	25	27
65°	12	12	10	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°	4953.9	4953.9	4953.9	4953.9	4953.9
2.5°	4703.9	4753.5	4811.4	4871.3	4918.8
5°	4057.3	4183.3	4476.7	4803.1	4966.3
7.5°	3208.3	3394.2	3964.4	4608.9	4953.9
10°	2328.2	2565.8	3270.2	4272.2	4786.6
12.5°	1601.0	1824.1	2623.6	3846.6	4565.5
15°	1063.9	1249.8	1997.7	3375.6	4278.4
17.5°	749.9	875.9	1452.3	2861.2	3908.6
20°	545.4	630.1	1024.7	2357.1	3421.0
22.5°	396.6	460.7	729.2	1884.1	2927.3
25°	291.3	338.8	535.1	1458.5	2433.6
27.5°	216.9	254.1	400.8	1107.3	1939.8
30°	163.2	194.2	299.5	816.0	1503.9
32.5°	126.0	146.7	229.3	582.6	1138.3
35°	99.2	111.6	190.1	411.1	842.9
37.5°	82.6	90.9	157.0	287.2	617.7
40°	72.3	78.5	119.8	204.5	438.0
42.5°	64.0	68.2	86.8	146.7	285.1
45°	57.8	57.8	66.1	103.3	179.7
47.5°	53.7	47.5	51.6	72.3	105.4
50°	47.5	39.3	41.3	49.6	59.9
52.5°	37.2	33.1	33.1	33.1	35.1
55°	28.9	26.9	26.9	22.7	24.8
57.5°	22.7	22.7	20.7	18.6	20.7
60°	18.6	18.6	16.5	14.5	16.5
62.5°	14.5	14.5	12.4	12.4	14.5
65°	12.4	12.4	10.3	10.3	12.4
67.5°	10.3	10.3	10.3	8.3	10.3
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.2	6.2	8.3	6.2	6.2
75°	6.2	6.2	6.2	6.2	6.2
77.5°	4.1	4.1	4.1	4.1	4.1
80°	4.1	4.1	4.1	4.1	4.1
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)