

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: P1179790

Luminaire Tested: LDA2B208050R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179790
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 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

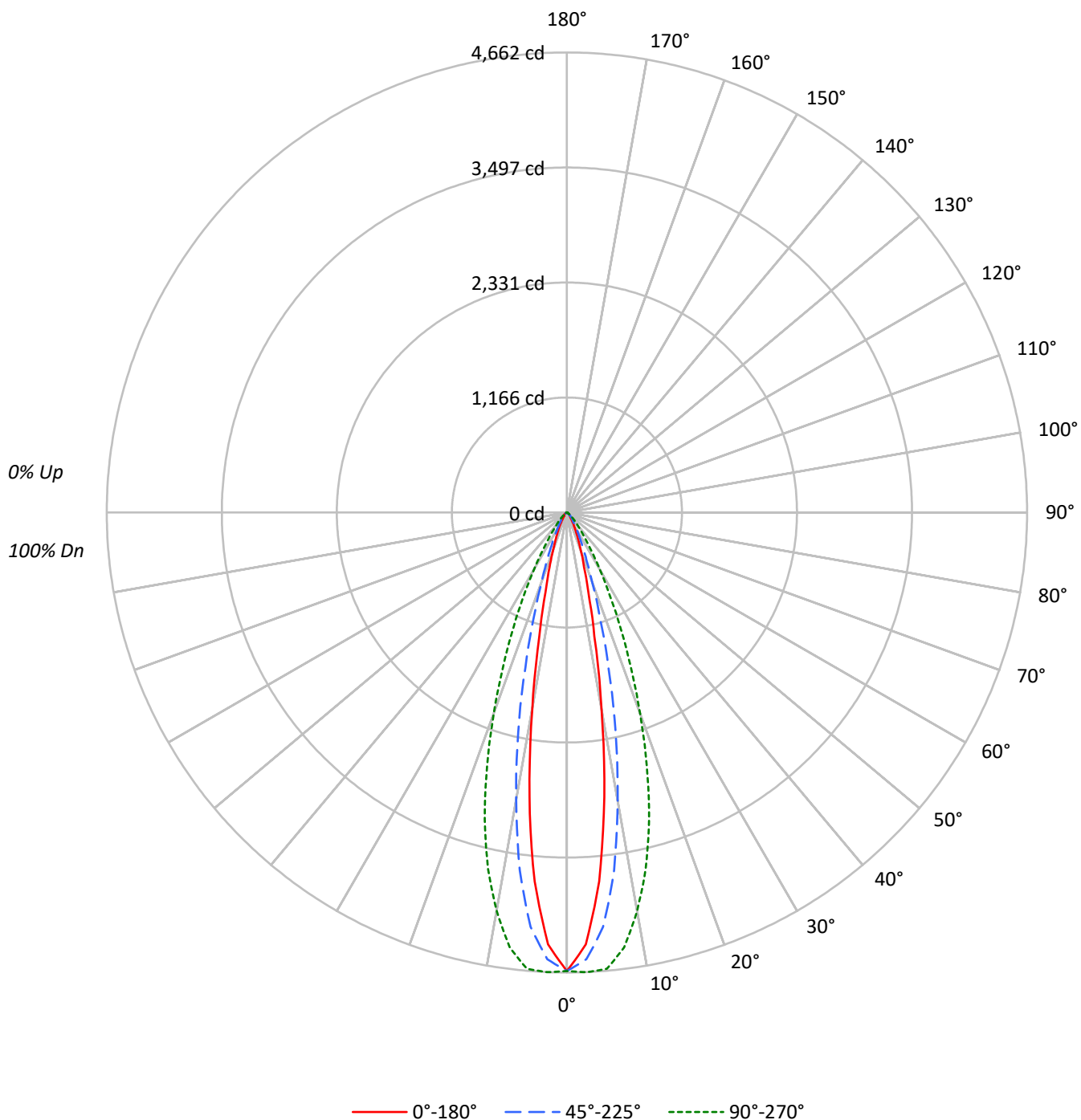
Lumens per Lamp: N/A
Luminaire Lumens: 1309.7 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2292652	2292652	2292652
5°	1858313	2087216	2298587
10°	1010362	1481927	2052585
15°	427358	831578	1642980
20°	218148	391038	1136048
25°	120794	200054	692432
30°	67622	111089	377587
35°	39148	67275	192369
40°	29111	50943	106524
45°	25606	34537	63144
50°	27094	22796	33618
55°	19439	15827	18235
60°	12531	11150	11150
65°	9923	9923	9923
70°	8222	8222	8222
75°	8006	8006	8006
80°	7955	7955	7955
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 63144 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.1	27.6
10°-20°	512.0	39.1
20°-30°	263.8	20.1
30°-40°	97.1	7.4
40°-50°	42.6	3.3
50°-60°	18.7	1.4
60°-70°	8.2	0.6
70°-80°	4.1	0.3
80°-90°	1.1	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°	1137.9	86.9
0°-40°	1234.9	94.3
0°-60°	1296.3	99.0
0°-90°	1309.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4647	4647	4647	4647	4647	
5°	3752	3880	4214	4513	4641	302
15°	837	972	1628	2716	3217	256
25°	222	249	368	844	1272	106
35°	65	75	112	195	319	44
45°	37	42	50	59	90	30
55°	23	20	18	20	21	21
65°	8	8	8	7	8	9
75°	4	4	4	4	4	4
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°	4647.0	4647.0	4647.0	4647.0	4647.0
2.5°	4381.3	4433.5	4531.1	4624.3	4662.5
5°	3752.3	3879.5	4214.5	4512.7	4641.3
7.5°	2905.8	3114.9	3657.6	4215.9	4444.9
10°	2016.8	2228.8	2958.1	3760.8	4097.2
12.5°	1286.1	1492.5	2279.7	3256.3	3693.0
15°	836.7	972.4	1628.1	2716.4	3216.7
17.5°	580.9	677.0	1108.0	2144.0	2689.5
20°	415.5	483.4	744.8	1635.2	2163.8
22.5°	301.0	347.7	517.3	1194.2	1681.8
25°	221.9	248.7	367.5	843.7	1272.0
27.5°	163.9	180.9	265.7	582.3	930.0
30°	118.7	132.9	195.0	400.0	662.8
32.5°	86.2	98.9	145.6	277.0	462.2
35°	65.0	74.9	111.7	195.0	319.4
37.5°	53.7	59.4	91.9	141.3	226.1
40°	45.2	50.9	79.1	104.6	165.4
42.5°	39.6	46.6	65.0	77.7	124.4
45°	36.7	42.4	49.5	59.4	90.5
47.5°	36.7	35.3	38.2	45.2	63.6
50°	35.3	29.7	29.7	35.3	43.8
52.5°	29.7	24.0	24.0	25.4	29.7
55°	22.6	19.8	18.4	19.8	21.2
57.5°	17.0	17.0	15.5	14.1	15.5
60°	12.7	12.7	11.3	11.3	11.3
62.5°	9.9	9.9	9.9	8.5	9.9
65°	8.5	8.5	8.5	7.1	8.5
67.5°	7.1	7.1	5.7	7.1	7.1
70°	5.7	5.7	5.7	5.7	5.7
72.5°	4.2	4.2	4.2	4.2	4.2
75°	4.2	4.2	4.2	4.2	4.2
77.5°	2.8	2.8	2.8	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4
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)