

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: P1179710

Luminaire Tested: LDA2B208035R2040D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179710
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: LDA2B208035R2040D010 2LBD1WHH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

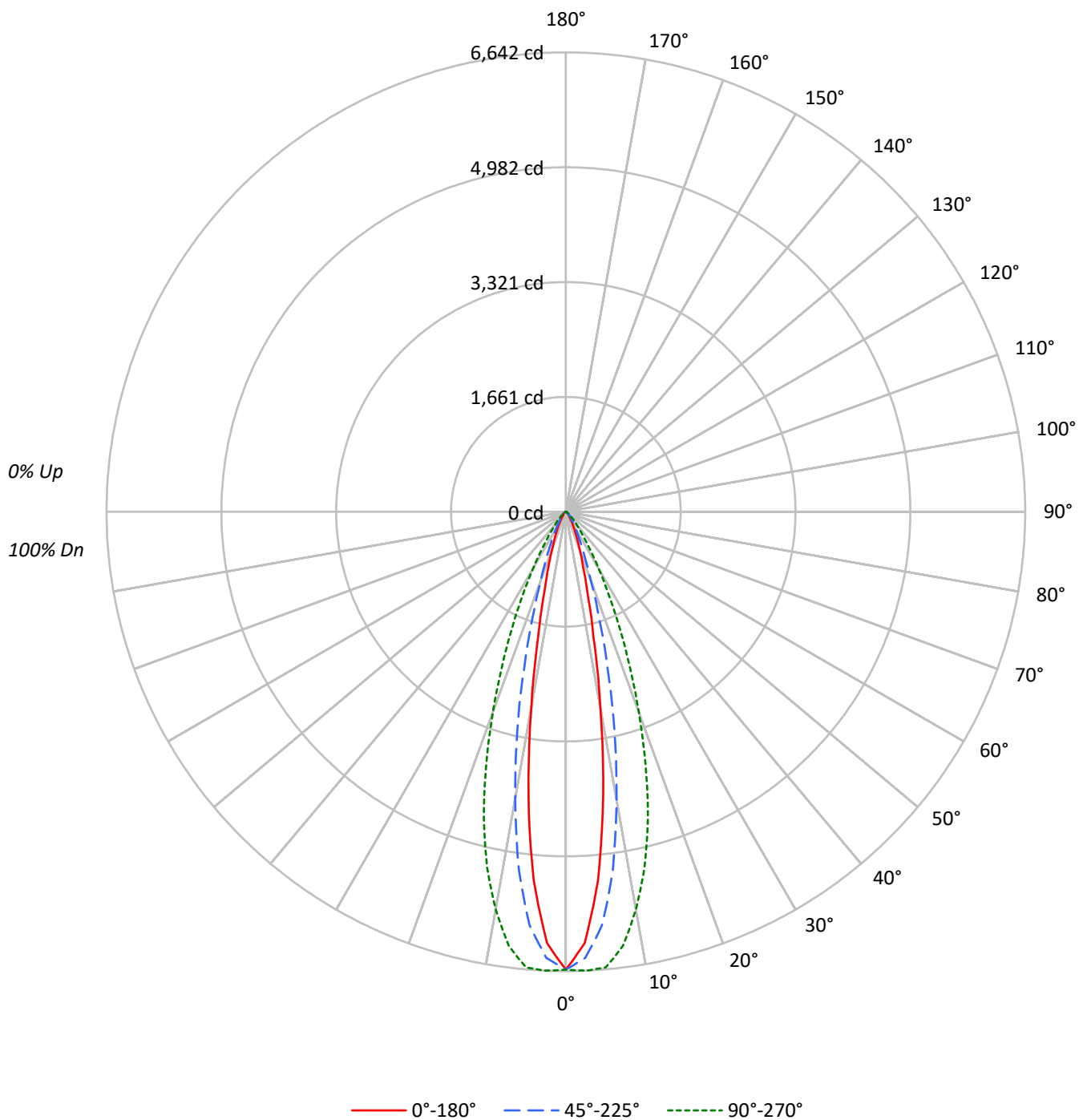
Lumens per Lamp: N/A
Luminaire Lumens: 1865.6 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	3265858	3265858	3265858
5°	2647191	2973211	3274321
10°	1439244	2110949	2923877
15°	608731	1184619	2340431
20°	310762	557051	1618283
25°	172074	284920	986334
30°	96334	158259	537897
35°	55771	95763	274039
40°	41476	72583	151671
45°	36491	49189	89866
50°	38607	32467	47894
55°	27697	22536	25977
60°	17860	15886	15886
65°	14125	14125	14125
70°	11684	11684	11684
75°	11437	11437	11437
80°	11365	11365	11365
85°	11321	11321	11321

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 89866 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.8	27.6
10°-20°	729.4	39.1
20°-30°	375.7	20.1
30°-40°	138.3	7.4
40°-50°	60.7	3.3
50°-60°	26.6	1.4
60°-70°	11.7	0.6
70°-80°	5.8	0.3
80°-90°	1.6	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°	1620.9	86.9
0°-40°	1759.1	94.3
0°-60°	1846.5	99.0
0°-90°	1865.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1865.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6620	6620	6620	6620	6620	
5°	5345	5526	6004	6428	6612	430
15°	1192	1385	2319	3870	4582	364
25°	316	354	523	1202	1812	152
35°	93	107	159	278	455	63
45°	52	60	70	85	129	42
55°	32	28	26	28	30	30
65°	12	12	12	10	12	12
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°	6619.6	6619.6	6619.6	6619.6	6619.6
2.5°	6241.1	6315.6	6454.5	6587.3	6641.7
5°	5345.2	5526.4	6003.5	6428.3	6611.5
7.5°	4139.2	4437.2	5210.3	6005.5	6331.7
10°	2872.9	3174.9	4213.7	5357.3	5836.4
12.5°	1832.1	2126.0	3247.4	4638.5	5260.6
15°	1191.8	1385.1	2319.3	3869.5	4582.2
17.5°	827.4	964.3	1578.4	3054.1	3831.2
20°	591.9	688.5	1061.0	2329.3	3082.3
22.5°	428.8	495.3	736.8	1701.2	2395.8
25°	316.1	354.3	523.4	1201.9	1811.9
27.5°	233.5	257.7	378.5	829.5	1324.7
30°	169.1	189.2	277.8	569.7	944.2
32.5°	122.8	140.9	207.4	394.6	658.3
35°	92.6	106.7	159.0	277.8	455.0
37.5°	76.5	84.6	130.9	201.3	322.1
40°	64.4	72.5	112.7	149.0	235.5
42.5°	56.4	66.4	92.6	110.7	177.2
45°	52.3	60.4	70.5	84.6	128.8
47.5°	52.3	50.3	54.4	64.4	90.6
50°	50.3	42.3	42.3	50.3	62.4
52.5°	42.3	34.2	34.2	36.2	42.3
55°	32.2	28.2	26.2	28.2	30.2
57.5°	24.2	24.2	22.1	20.1	22.1
60°	18.1	18.1	16.1	16.1	16.1
62.5°	14.1	14.1	14.1	12.1	14.1
65°	12.1	12.1	12.1	10.1	12.1
67.5°	10.1	10.1	8.1	10.1	10.1
70°	8.1	8.1	8.1	8.1	8.1
72.5°	6.0	6.0	6.0	6.0	6.0
75°	6.0	6.0	6.0	6.0	6.0
77.5°	4.0	4.0	4.0	4.0	4.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0
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)