

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: P1179739

Luminaire Tested: LDA2B208040R2040D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179739
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: LDA2B208040R2040D010 2LBD1B
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

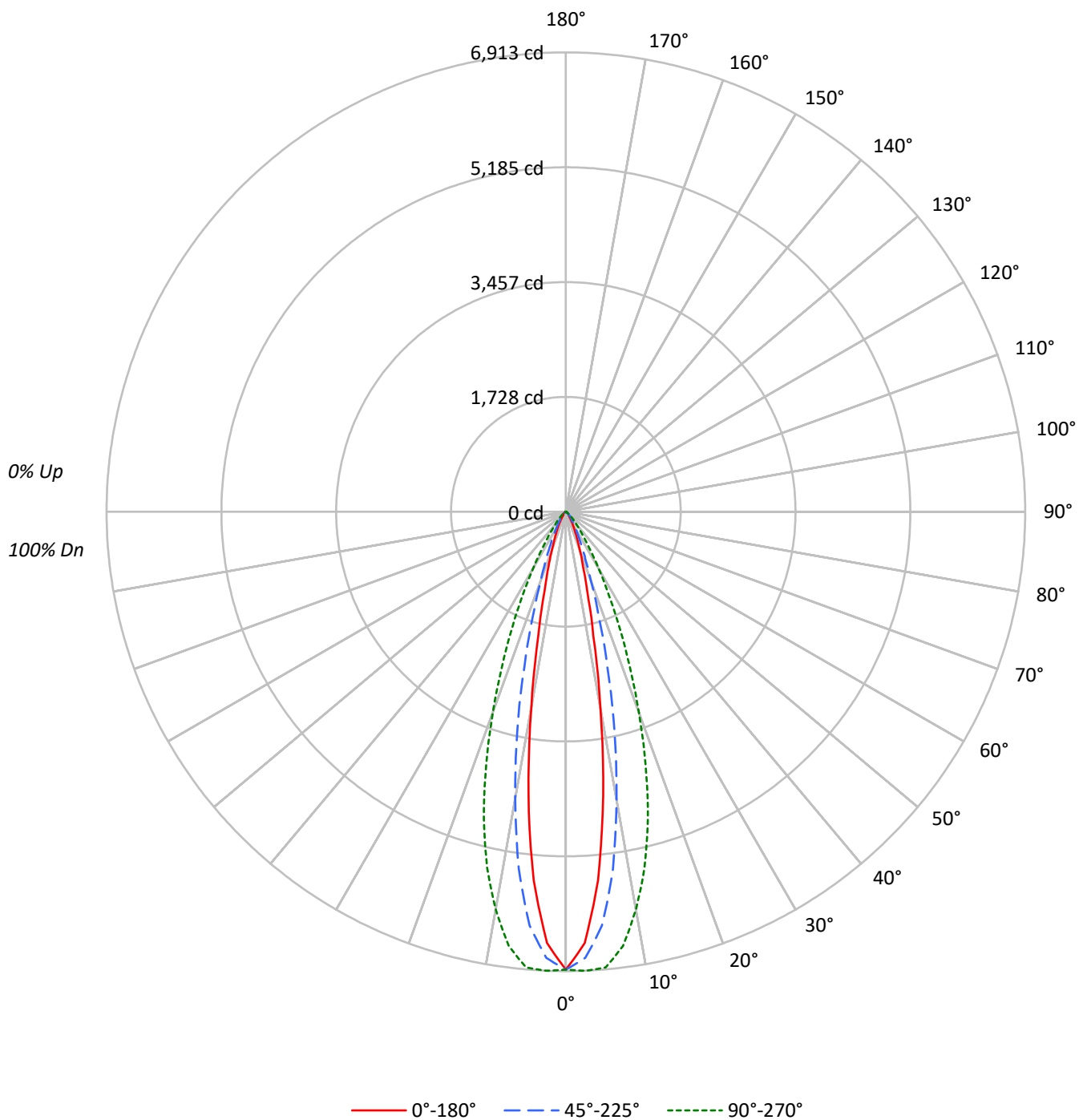
Lumens per Lamp: N/A
Luminaire Lumens: 1942.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	3399411	3399411	3399411
5°	2755452	3094844	3408236
10°	1498109	2197316	3043459
15°	633656	1233039	2436148
20°	323468	579837	1684489
25°	179096	296624	1026671
30°	100265	164753	559887
35°	58060	99738	285241
40°	43215	75610	157918
45°	38026	51143	93564
50°	40219	33772	49890
55°	28815	23396	27009
60°	18649	16577	16577
65°	14709	14709	14709
70°	12117	12117	12117
75°	12009	12009	12009
80°	11933	11933	11933
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 93564 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.9	27.6
10°-20°	759.2	39.1
20°-30°	391.1	20.1
30°-40°	143.9	7.4
40°-50°	63.2	3.3
50°-60°	27.7	1.4
60°-70°	12.2	0.6
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°	1687.2	86.9
0°-40°	1831.1	94.3
0°-60°	1922.1	99.0
0°-90°	1942.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1942.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6890	6890	6890	6890	6890	
5°	5564	5752	6249	6691	6882	448
15°	1241	1442	2414	4028	4770	379
25°	329	369	545	1251	1886	158
35°	96	111	166	289	474	66
45°	54	63	73	88	134	44
55°	34	29	27	29	31	31
65°	13	13	13	10	13	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°	6890.3	6890.3	6890.3	6890.3	6890.3
2.5°	6496.3	6573.9	6718.5	6856.8	6913.4
5°	5563.8	5752.4	6249.1	6691.2	6881.9
7.5°	4308.5	4618.7	5423.4	6251.1	6590.6
10°	2990.4	3304.7	4386.1	5576.4	6075.1
12.5°	1907.0	2212.9	3380.2	4828.2	5475.8
15°	1240.6	1441.8	2414.1	4027.7	4769.6
17.5°	861.3	1003.8	1642.9	3179.0	3987.9
20°	616.1	716.7	1104.4	2424.6	3208.4
22.5°	446.4	515.5	767.0	1770.8	2493.8
25°	329.0	368.8	544.9	1251.1	1886.0
27.5°	243.1	268.2	394.0	863.4	1378.9
30°	176.0	197.0	289.2	593.1	982.8
32.5°	127.8	146.7	215.8	410.7	685.3
35°	96.4	111.1	165.6	289.2	473.6
37.5°	79.6	88.0	136.2	209.6	335.3
40°	67.1	75.4	117.4	155.1	245.2
42.5°	58.7	69.2	96.4	115.3	184.4
45°	54.5	62.9	73.3	88.0	134.1
47.5°	54.5	52.4	56.6	67.1	94.3
50°	52.4	44.0	44.0	52.4	65.0
52.5°	44.0	35.6	35.6	37.7	44.0
55°	33.5	29.3	27.2	29.3	31.4
57.5°	25.1	25.1	23.1	21.0	23.1
60°	18.9	18.9	16.8	16.8	16.8
62.5°	14.7	14.7	14.7	12.6	14.7
65°	12.6	12.6	12.6	10.5	12.6
67.5°	10.5	10.5	8.4	10.5	10.5
70°	8.4	8.4	8.4	8.4	8.4
72.5°	6.3	6.3	6.3	6.3	6.3
75°	6.3	6.3	6.3	6.3	6.3
77.5°	4.2	4.2	4.2	4.2	4.2
80°	4.2	4.2	4.2	4.2	4.2
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)