

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: P1179669

Luminaire Tested: LDA2B208030R2040D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179669
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: LDA2B208030R2040D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

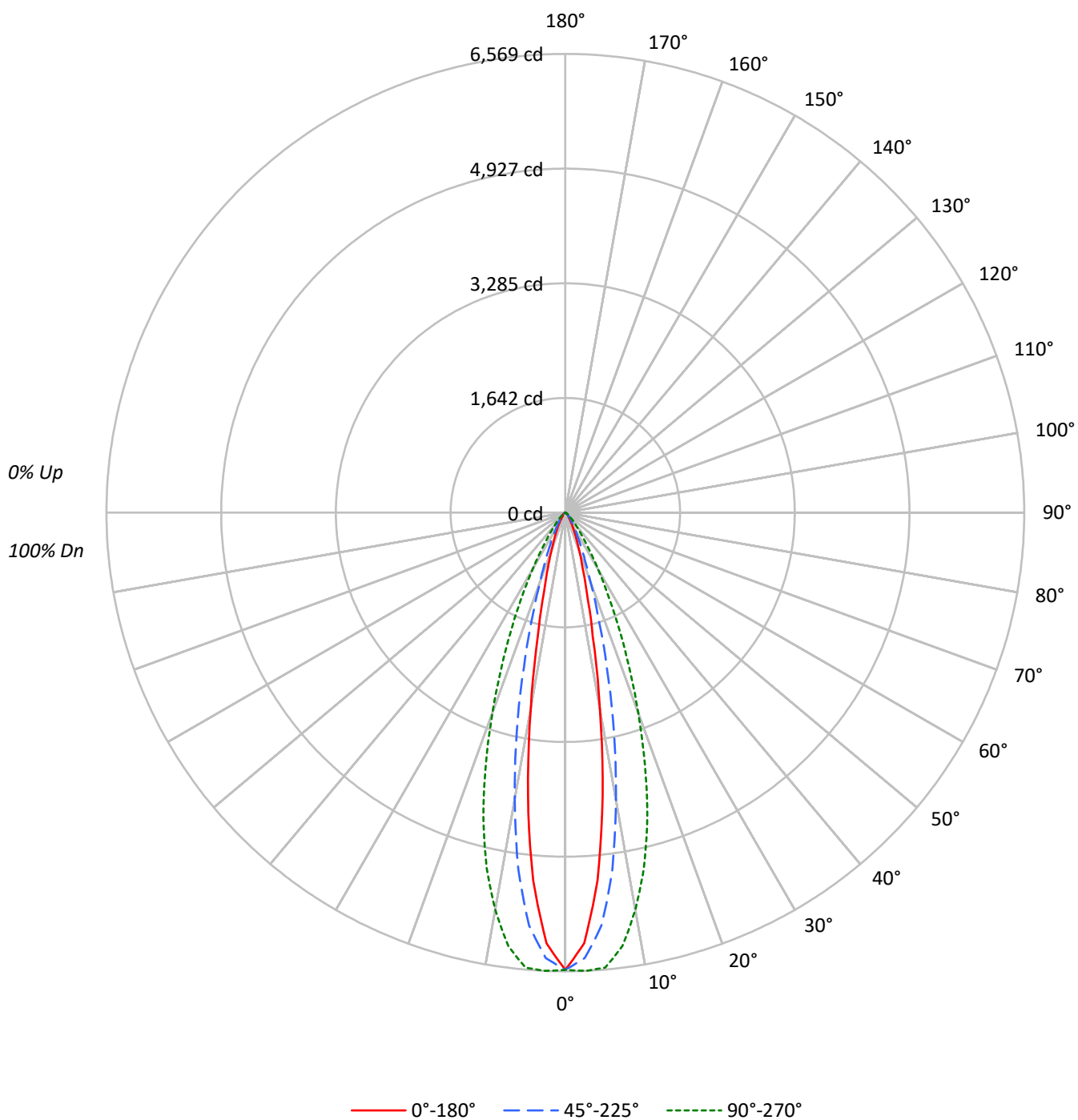
Lumens per Lamp: N/A
Luminaire Lumens: 1845.2 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179669

CATALOG NUMBER: LDA2B208030R2040D010 2LBD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179669

CATALOG NUMBER: LDA2B208030R2040D010 2LBD1MMS

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°	3229990	3229990	3229990
5°	2618120	2940575	3238366
10°	1423464	2087804	2891815
15°	602091	1171594	2314739
20°	307349	550908	1600538
25°	170168	281818	975501
30°	95308	156549	532029
35°	55169	94739	271028
40°	41025	71810	150061
45°	36142	48631	88889
50°	38223	32083	47357
55°	27439	22278	25718
60°	17662	15689	15689
65°	13892	13892	13892
70°	11540	11540	11540
75°	11437	11437	11437
80°	11365	11365	11365
85°	11321	11321	11321

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 88889 cd/sqm

TEST NUMBER: P1179669

CATALOG NUMBER: LDA2B208030R2040D010 2LBD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.1	27.6
10°-20°	721.4	39.1
20°-30°	371.6	20.1
30°-40°	136.7	7.4
40°-50°	60.1	3.3
50°-60°	26.3	1.4
60°-70°	11.5	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°	1603.1	86.9
0°-40°	1739.8	94.3
0°-60°	1826.3	99.0
0°-90°	1845.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1845.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6547	6547	6547	6547	6547	
5°	5286	5466	5938	6358	6539	425
15°	1179	1370	2294	3827	4532	360
25°	313	350	518	1189	1792	150
35°	92	106	157	275	450	62
45°	52	60	70	84	127	42
55°	32	28	26	28	30	29
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	

TEST NUMBER: P1179669

CATALOG NUMBER: LDA2B208030R2040D010 2LBD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6546.9	6546.9	6546.9	6546.9	6546.9
2.5°	6172.6	6246.2	6383.6	6515.1	6568.8
5°	5286.5	5465.7	5937.6	6357.8	6538.9
7.5°	4093.8	4388.5	5153.1	5939.6	6262.2
10°	2841.4	3140.0	4167.5	5298.5	5772.4
12.5°	1811.9	2102.7	3211.7	4587.6	5202.9
15°	1178.8	1369.9	2293.8	3827.0	4531.9
17.5°	818.4	953.8	1561.1	3020.6	3789.2
20°	585.4	681.0	1049.3	2303.8	3048.5
22.5°	424.1	489.8	728.8	1682.5	2369.5
25°	312.6	350.4	517.7	1188.7	1792.0
27.5°	231.0	254.9	374.3	820.4	1310.2
30°	167.3	187.2	274.8	563.5	933.9
32.5°	121.5	139.4	205.1	390.3	651.1
35°	91.6	105.5	157.3	274.8	450.0
37.5°	75.7	83.6	129.4	199.1	318.6
40°	63.7	71.7	111.5	147.3	233.0
42.5°	55.8	65.7	91.6	109.5	175.2
45°	51.8	59.7	69.7	83.6	127.4
47.5°	51.8	49.8	53.8	63.7	89.6
50°	49.8	41.8	41.8	49.8	61.7
52.5°	41.8	33.8	33.8	35.8	41.8
55°	31.9	27.9	25.9	27.9	29.9
57.5°	23.9	23.9	21.9	19.9	21.9
60°	17.9	17.9	15.9	15.9	15.9
62.5°	13.9	13.9	13.9	11.9	13.9
65°	11.9	11.9	11.9	10.0	11.9
67.5°	10.0	10.0	8.0	10.0	10.0
70°	8.0	8.0	8.0	8.0	8.0
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)