

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: P1179627

Luminaire Tested: LDA2B208027R2040D010 2LBD1H

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179627
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: LDA2B208027R2040D010 2LBD1H
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

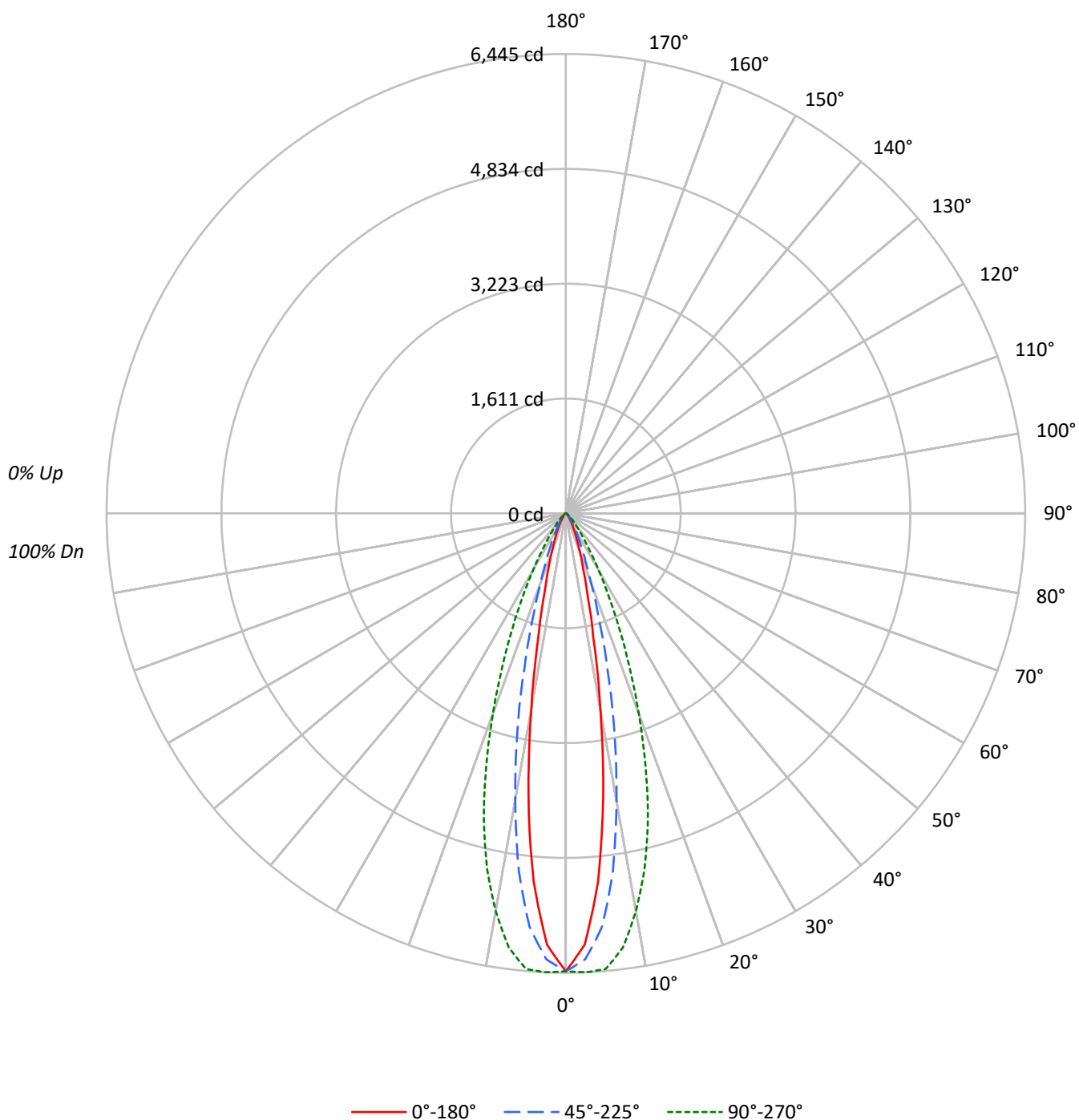
Lumens per Lamp: N/A
Luminaire Lumens: 1810.3 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	3168912	3168912	3168912
5°	2568595	2884959	3177154
10°	1396511	2048327	2837109
15°	590701	1149427	2270915
20°	301522	540513	1570244
25°	166957	276483	957047
30°	93485	153587	521946
35°	54145	92932	265908
40°	40252	70458	147227
45°	35444	47724	87215
50°	37456	31469	46513
55°	26923	21848	25202
60°	17366	15393	15393
65°	13659	13659	13659
70°	11251	11251	11251
75°	11247	11247	11247
80°	11081	11081	11081
85°	11321	11321	11321

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 87215 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.5	27.6
10°-20°	707.7	39.1
20°-30°	364.6	20.1
30°-40°	134.2	7.4
40°-50°	58.9	3.3
50°-60°	25.8	1.4
60°-70°	11.3	0.6
70°-80°	5.7	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°	1572.8	86.9
0°-40°	1706.9	94.3
0°-60°	1791.7	99.0
0°-90°	1810.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1810.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6423	6423	6423	6423	6423	
5°	5186	5362	5825	6238	6415	417
15°	1156	1344	2250	3755	4446	354
25°	307	344	508	1166	1758	147
35°	90	104	154	270	442	61
45°	51	59	68	82	125	41
55°	31	27	25	27	29	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6423.1	6423.1	6423.1	6423.1	6423.1
2.5°	6055.8	6128.1	6262.9	6391.8	6444.6
5°	5186.5	5362.3	5825.3	6237.5	6415.3
7.5°	4016.4	4305.5	5055.6	5827.3	6143.7
10°	2787.6	3080.7	4088.7	5198.2	5663.2
12.5°	1777.7	2062.9	3151.0	4500.8	5104.5
15°	1156.5	1344.0	2250.4	3754.6	4446.1
17.5°	802.9	935.7	1531.5	2963.4	3717.5
20°	574.3	668.1	1029.5	2260.2	2990.8
22.5°	416.1	480.6	715.0	1650.7	2324.7
25°	306.7	343.8	507.9	1166.2	1758.1
27.5°	226.6	250.0	367.3	804.8	1285.4
30°	164.1	183.6	269.6	552.8	916.2
32.5°	119.2	136.7	201.2	382.9	638.8
35°	89.9	103.5	154.3	269.6	441.5
37.5°	74.2	82.0	127.0	195.3	312.6
40°	62.5	70.3	109.4	144.6	228.6
42.5°	54.7	64.5	89.9	107.4	171.9
45°	50.8	58.6	68.4	82.0	125.0
47.5°	50.8	48.8	52.7	62.5	87.9
50°	48.8	41.0	41.0	48.8	60.6
52.5°	41.0	33.2	33.2	35.2	41.0
55°	31.3	27.3	25.4	27.3	29.3
57.5°	23.4	23.4	21.5	19.5	21.5
60°	17.6	17.6	15.6	15.6	15.6
62.5°	13.7	13.7	13.7	11.7	13.7
65°	11.7	11.7	11.7	9.8	11.7
67.5°	9.8	9.8	7.8	9.8	9.8
70°	7.8	7.8	7.8	7.8	7.8
72.5°	5.9	5.9	5.9	5.9	5.9
75°	5.9	5.9	5.9	5.9	5.9
77.5°	3.9	3.9	3.9	3.9	3.9
80°	3.9	3.9	3.9	3.9	3.9
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)