

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: P1179822

Luminaire Tested: LDA2B209024R2040D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179822
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: LDA2B209024R2040D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

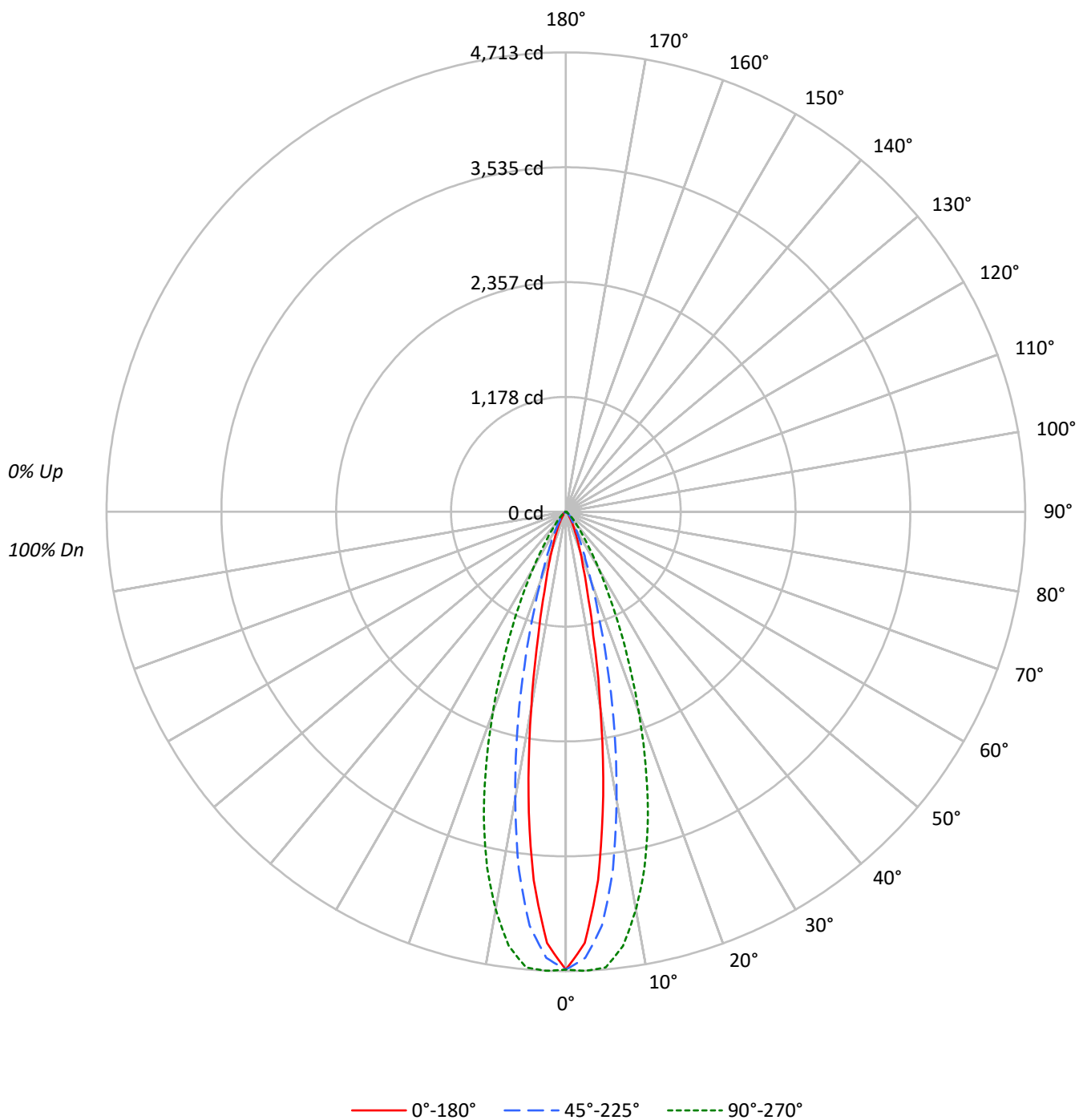
Lumens per Lamp: N/A
Luminaire Lumens: 1324.0 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87	87	87
4	102	95	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	83	83	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79	79	79
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76	76	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	73	73	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	70	70	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68	68	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66	66	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2317616	2317616	2317616
5°	1878568	2109948	2323646
10°	1021383	1498059	2074929
15°	432006	840669	1660908
20°	220510	395291	1148439
25°	122101	202231	699944
30°	68362	112342	381746
35°	39570	67998	194477
40°	29433	51523	107683
45°	25885	34886	63772
50°	27401	23026	34002
55°	19697	15999	18407
60°	12729	11249	11249
65°	10040	10040	10040
70°	8222	8222	8222
75°	8197	8197	8197
80°	8239	8239	8239
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 63772 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.0	27.6
10°-20°	517.6	39.1
20°-30°	266.6	20.1
30°-40°	98.1	7.4
40°-50°	43.1	3.3
50°-60°	18.9	1.4
60°-70°	8.3	0.6
70°-80°	4.2	0.3
80°-90°	1.2	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°	1150.3	86.9
0°-40°	1248.4	94.3
0°-60°	1310.4	99.0
0°-90°	1324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4698	4698	4698	4698	4698	
5°	3793	3922	4260	4562	4692	305
15°	846	983	1646	2746	3252	259
25°	224	252	372	853	1286	108
35°	66	76	113	197	323	45
45°	37	43	50	60	91	30
55°	23	20	19	20	21	21
65°	9	9	9	7	9	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°	4697.6	4697.6	4697.6	4697.6	4697.6
2.5°	4429.0	4481.9	4580.5	4674.8	4713.3
5°	3793.2	3921.8	4260.4	4561.9	4691.9
7.5°	2937.4	3148.9	3697.5	4261.9	4493.3
10°	2038.8	2253.1	2990.3	3801.8	4141.8
12.5°	1300.1	1508.7	2304.5	3291.8	3733.2
15°	845.8	983.0	1645.9	2746.0	3251.8
17.5°	587.2	684.4	1120.1	2167.4	2718.8
20°	420.0	488.6	752.9	1653.0	2187.4
22.5°	304.3	351.5	522.9	1207.3	1700.2
25°	224.3	251.5	371.5	852.9	1285.8
27.5°	165.7	182.9	268.6	588.6	940.1
30°	120.0	134.3	197.2	404.3	670.1
32.5°	87.2	100.0	147.2	280.0	467.2
35°	65.7	75.7	112.9	197.2	322.9
37.5°	54.3	60.0	92.9	142.9	228.6
40°	45.7	51.4	80.0	105.7	167.2
42.5°	40.0	47.1	65.7	78.6	125.7
45°	37.1	42.9	50.0	60.0	91.4
47.5°	37.1	35.7	38.6	45.7	64.3
50°	35.7	30.0	30.0	35.7	44.3
52.5°	30.0	24.3	24.3	25.7	30.0
55°	22.9	20.0	18.6	20.0	21.4
57.5°	17.1	17.1	15.7	14.3	15.7
60°	12.9	12.9	11.4	11.4	11.4
62.5°	10.0	10.0	10.0	8.6	10.0
65°	8.6	8.6	8.6	7.1	8.6
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°	4.3	4.3	4.3	4.3	4.3
75°	4.3	4.3	4.3	4.3	4.3
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9
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)