

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: P1179984

Luminaire Tested: LDA2B209040R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179984
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: LDA2B209040R2040D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

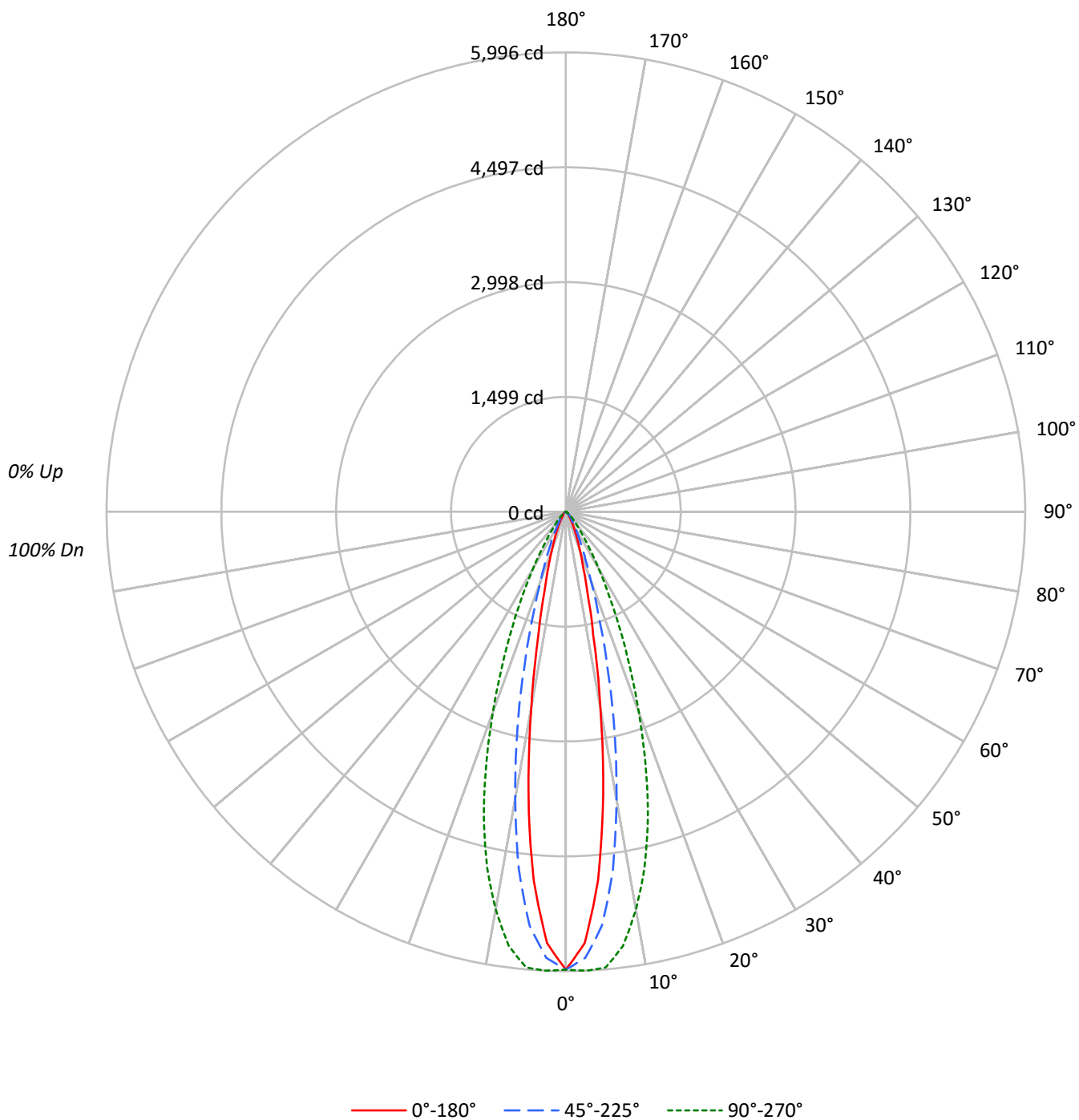
Lumens per Lamp: N/A
Luminaire Lumens: 1684.3 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179984

CATALOG NUMBER: LDA2B209040R2040D010 2LBDC1MMS

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°	2948379	2948379	2948379
5°	2389861	2684235	2956076
10°	1299373	1905750	2639675
15°	549584	1069441	2112936
20°	280573	502921	1460986
25°	155362	257267	890471
30°	86991	142877	485600
35°	50351	86488	247418
40°	37483	65563	136987
45°	33002	44375	81145
50°	34846	29320	43212
55°	25030	20300	23482
60°	16182	14307	14307
65°	12725	12725	12725
70°	10530	10530	10530
75°	10484	10484	10484
80°	10228	10228	10228
85°	10189	10189	10189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 81145 cd/sqm

TEST NUMBER: P1179984

CATALOG NUMBER: LDA2B209040R2040D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.7	27.6
10°-20°	658.5	39.1
20°-30°	339.2	20.1
30°-40°	124.8	7.4
40°-50°	54.8	3.3
50°-60°	24.0	1.4
60°-70°	10.5	0.6
70°-80°	5.3	0.3
80°-90°	1.5	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°	1463.3	86.9
0°-40°	1588.1	94.3
0°-60°	1667.0	99.0
0°-90°	1684.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1684.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5976	5976	5976	5976	5976	
5°	4826	4989	5420	5804	5969	388
15°	1076	1250	2094	3493	4137	329
25°	285	320	473	1085	1636	137
35°	84	96	144	251	411	57
45°	47	54	64	76	116	38
55°	29	25	24	25	27	27
65°	11	11	11	9	11	11
75°	6	6	6	6	6	5
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5976.1	5976.1	5976.1	5976.1	5976.1
2.5°	5634.4	5701.7	5827.1	5947.1	5996.1
5°	4825.6	4989.2	5420.0	5803.5	5968.9
7.5°	3736.9	4005.9	4703.8	5421.8	5716.2
10°	2593.7	2866.3	3804.1	4836.5	5269.1
12.5°	1654.0	1919.3	2931.7	4187.7	4749.3
15°	1076.0	1250.5	2093.8	3493.3	4136.8
17.5°	747.0	870.6	1425.0	2757.2	3458.8
20°	534.4	621.6	957.9	2102.9	2782.7
22.5°	387.1	447.1	665.2	1535.8	2162.9
25°	285.4	319.9	472.6	1085.1	1635.8
27.5°	210.8	232.6	341.7	748.8	1196.0
30°	152.7	170.9	250.8	514.4	852.4
32.5°	110.9	127.2	187.2	356.2	594.3
35°	83.6	96.3	143.6	250.8	410.8
37.5°	69.1	76.3	118.1	181.8	290.8
40°	58.2	65.4	101.8	134.5	212.7
42.5°	50.9	60.0	83.6	100.0	159.9
45°	47.3	54.5	63.6	76.3	116.3
47.5°	47.3	45.4	49.1	58.2	81.8
50°	45.4	38.2	38.2	45.4	56.3
52.5°	38.2	30.9	30.9	32.7	38.2
55°	29.1	25.4	23.6	25.4	27.3
57.5°	21.8	21.8	20.0	18.2	20.0
60°	16.4	16.4	14.5	14.5	14.5
62.5°	12.7	12.7	12.7	10.9	12.7
65°	10.9	10.9	10.9	9.1	10.9
67.5°	9.1	9.1	7.3	9.1	9.1
70°	7.3	7.3	7.3	7.3	7.3
72.5°	5.5	5.5	5.5	5.5	5.5
75°	5.5	5.5	5.5	5.5	5.5
77.5°	3.6	3.6	3.6	3.6	3.6
80°	3.6	3.6	3.6	3.6	3.6
82.5°	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8
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)