

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: P1179945

Luminaire Tested: LDA2B209035R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179945
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: LDA2B209035R2040D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

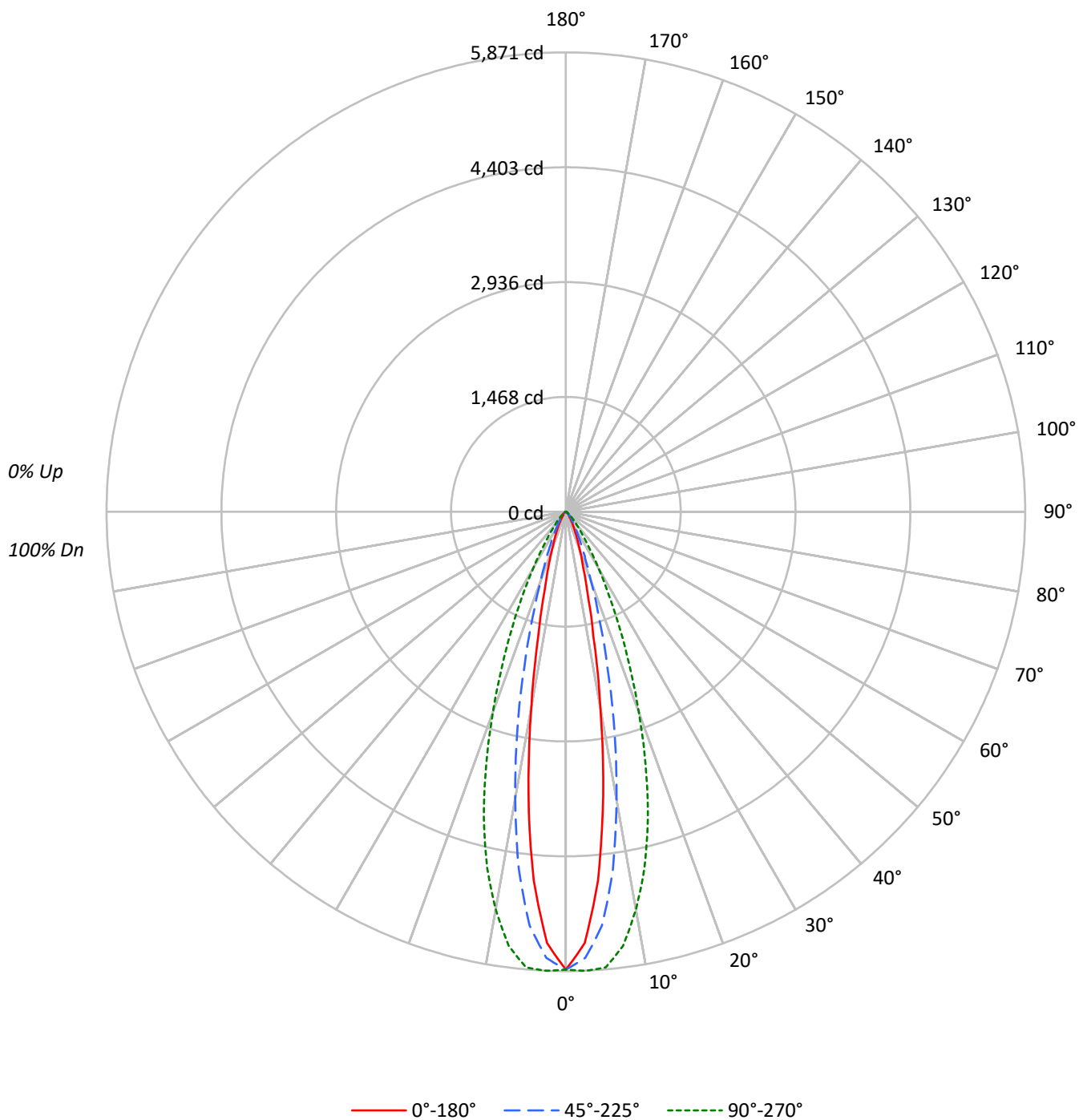
Lumens per Lamp: N/A
Luminaire Lumens: 1649.3 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179945

CATALOG NUMBER: LDA2B209035R2040D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179945

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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°	2887005	2887005	2887005
5°	2340138	2628322	2894517
10°	1272320	1866123	2584718
15°	538143	1047172	2068908
20°	274693	492421	1430587
25°	152095	251877	871909
30°	85168	139915	475516
35°	49327	84681	242238
40°	36710	64211	134089
45°	32304	43468	79470
50°	34155	28706	42368
55°	24514	19869	22966
60°	15788	14011	14011
65°	12491	12491	12491
70°	10242	10242	10242
75°	10103	10103	10103
80°	10228	10228	10228
85°	10189	10189	10189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 79470 cd/sqm

TEST NUMBER: P1179945

CATALOG NUMBER: LDA2B209035R2040D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.0	27.6
10°-20°	644.8	39.1
20°-30°	332.1	20.1
30°-40°	122.2	7.4
40°-50°	53.7	3.3
50°-60°	23.6	1.4
60°-70°	10.3	0.6
70°-80°	5.2	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°	1432.9	86.9
0°-40°	1555.1	94.3
0°-60°	1632.3	99.0
0°-90°	1649.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1649.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5852	5852	5852	5852	5852	
5°	4725	4885	5307	5683	5845	380
15°	1054	1224	2050	3421	4051	322
25°	279	313	463	1062	1602	134
35°	82	94	141	246	402	56
45°	46	53	62	75	114	37
55°	28	25	23	25	27	26
65°	11	11	11	9	11	11
75°	5	5	5	5	5	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°	5851.7	5851.7	5851.7	5851.7	5851.7
2.5°	5517.1	5583.0	5705.8	5823.2	5871.3
5°	4725.2	4885.3	5307.1	5682.6	5844.6
7.5°	3659.1	3922.5	4605.9	5308.9	5597.2
10°	2539.7	2806.6	3725.0	4735.8	5159.4
12.5°	1619.5	1879.4	2870.7	4100.5	4650.4
15°	1053.6	1224.4	2050.2	3420.6	4050.6
17.5°	731.5	852.5	1395.3	2699.8	3386.8
20°	523.2	608.7	937.9	2059.1	2724.8
22.5°	379.1	437.8	651.4	1503.9	2117.9
25°	279.4	313.2	462.7	1062.5	1601.7
27.5°	206.4	227.8	334.6	733.2	1171.1
30°	149.5	167.3	245.6	503.7	834.7
32.5°	108.6	124.6	183.3	348.8	582.0
35°	81.9	94.3	140.6	245.6	402.2
37.5°	67.6	74.7	115.7	178.0	284.8
40°	57.0	64.1	99.7	131.7	208.2
42.5°	49.8	58.7	81.9	97.9	156.6
45°	46.3	53.4	62.3	74.7	113.9
47.5°	46.3	44.5	48.1	57.0	80.1
50°	44.5	37.4	37.4	44.5	55.2
52.5°	37.4	30.3	30.3	32.0	37.4
55°	28.5	24.9	23.1	24.9	26.7
57.5°	21.4	21.4	19.6	17.8	19.6
60°	16.0	16.0	14.2	14.2	14.2
62.5°	12.5	12.5	12.5	10.7	12.5
65°	10.7	10.7	10.7	8.9	10.7
67.5°	8.9	8.9	7.1	8.9	8.9
70°	7.1	7.1	7.1	7.1	7.1
72.5°	5.3	5.3	5.3	5.3	5.3
75°	5.3	5.3	5.3	5.3	5.3
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)