

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: P1180056

Luminaire Tested: LDA2B209727R2040D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180056
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: LDA2B209727R2040D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

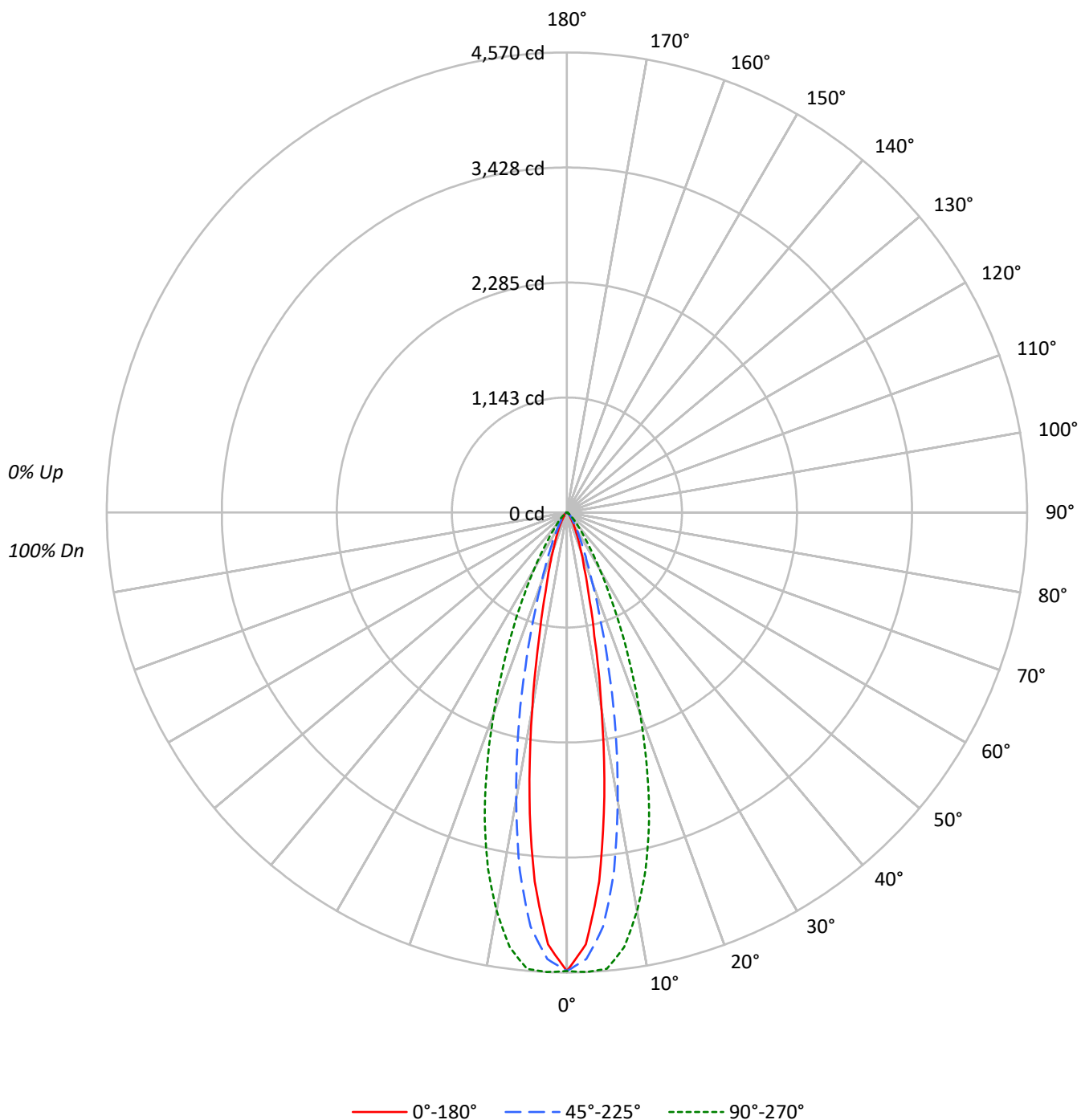
Lumens per Lamp: N/A
Luminaire Lumens: 1283.6 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			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	87	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°	2246918	2246918	2246918
5°	1821318	2045615	2252777
10°	990223	1452370	2011656
15°	418828	815029	1610240
20°	213790	383268	1113420
25°	118399	196026	678605
30°	66311	108867	370067
35°	38365	65890	188515
40°	28531	49977	104399
45°	25118	33839	61818
50°	26557	22335	32927
55°	19095	15483	17891
60°	12334	10953	10953
65°	9689	9689	9689
70°	7934	7934	7934
75°	8006	8006	8006
80°	7955	7955	7955
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 61818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.9	27.6
10°-20°	501.8	39.1
20°-30°	258.5	20.1
30°-40°	95.1	7.4
40°-50°	41.8	3.3
50°-60°	18.3	1.4
60°-70°	8.0	0.6
70°-80°	4.0	0.3
80°-90°	1.1	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°	1115.2	86.9
0°-40°	1210.3	94.3
0°-60°	1270.4	99.0
0°-90°	1283.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4554	4554	4554	4554	4554	
5°	3678	3802	4130	4423	4549	296
15°	820	953	1596	2662	3153	251
25°	218	244	360	827	1247	104
35°	64	73	109	191	313	43
45°	36	42	48	58	89	29
55°	22	19	18	19	21	20
65°	8	8	8	7	8	8
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°	4554.3	4554.3	4554.3	4554.3	4554.3
2.5°	4293.9	4345.2	4440.8	4532.2	4569.6
5°	3677.6	3802.2	4130.5	4422.8	4548.8
7.5°	2847.9	3052.9	3584.7	4131.9	4356.3
10°	1976.6	2184.4	2899.1	3685.9	4015.5
12.5°	1260.5	1462.7	2234.2	3191.4	3619.4
15°	820.0	953.0	1595.7	2662.2	3152.6
17.5°	569.3	663.5	1086.0	2101.3	2635.9
20°	407.2	473.7	730.0	1602.6	2120.7
22.5°	295.0	340.7	507.0	1170.4	1648.3
25°	217.5	243.8	360.1	826.9	1246.6
27.5°	160.7	177.3	260.4	570.7	911.4
30°	116.4	130.2	191.1	392.0	649.6
32.5°	84.5	97.0	142.7	271.5	452.9
35°	63.7	73.4	109.4	191.1	313.0
37.5°	52.6	58.2	90.0	138.5	221.6
40°	44.3	49.9	77.6	102.5	162.1
42.5°	38.8	45.7	63.7	76.2	121.9
45°	36.0	41.6	48.5	58.2	88.6
47.5°	36.0	34.6	37.4	44.3	62.3
50°	34.6	29.1	29.1	34.6	42.9
52.5°	29.1	23.5	23.5	24.9	29.1
55°	22.2	19.4	18.0	19.4	20.8
57.5°	16.6	16.6	15.2	13.9	15.2
60°	12.5	12.5	11.1	11.1	11.1
62.5°	9.7	9.7	9.7	8.3	9.7
65°	8.3	8.3	8.3	6.9	8.3
67.5°	6.9	6.9	5.5	6.9	6.9
70°	5.5	5.5	5.5	5.5	5.5
72.5°	4.2	4.2	4.2	4.2	4.2
75°	4.2	4.2	4.2	4.2	4.2
77.5°	2.8	2.8	2.8	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8
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)