

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: P1180086

Luminaire Tested: LDA2B209727R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B209727R2060D010 2LBD1WMH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

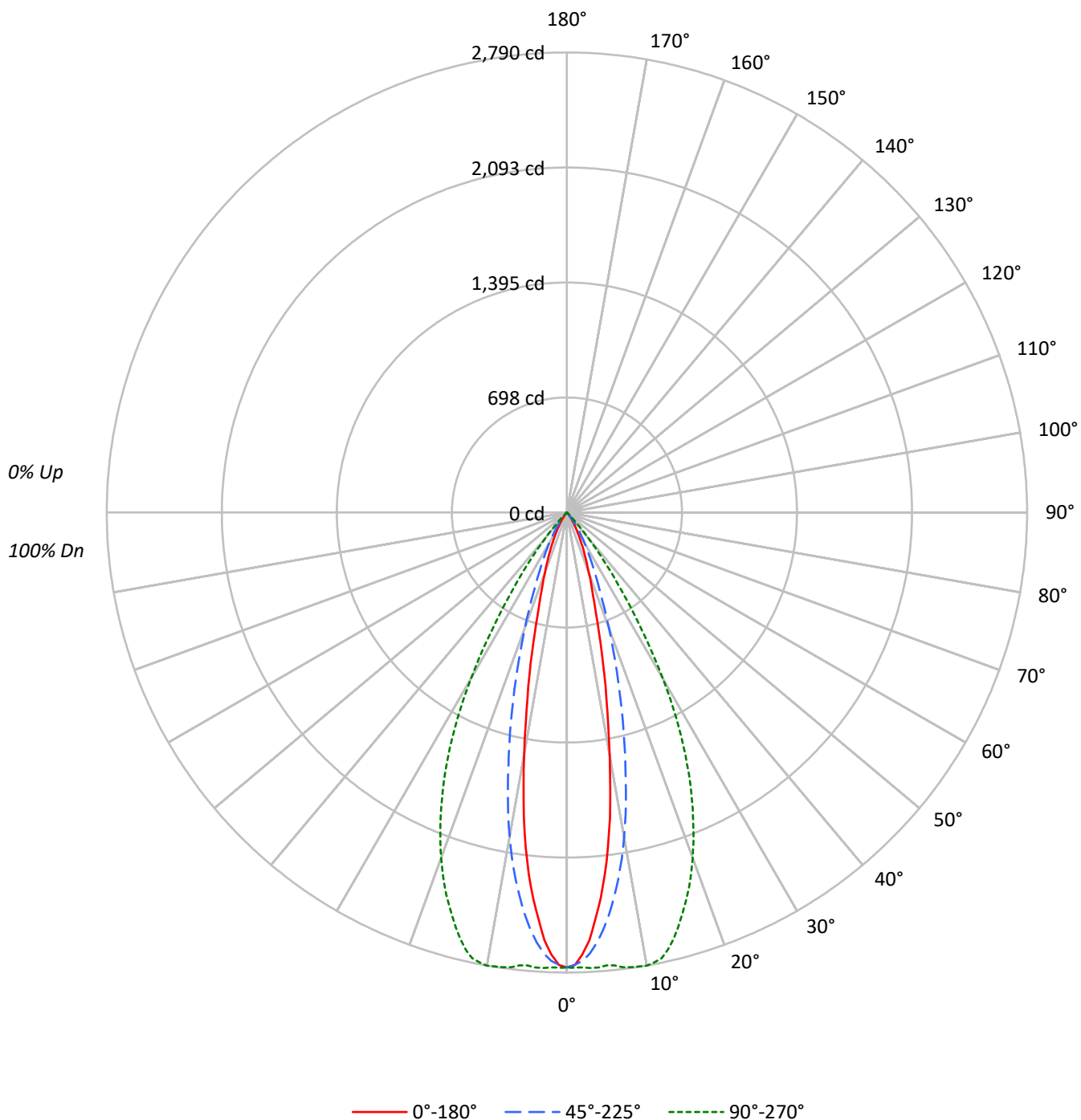
Lumens per Lamp: N/A
Luminaire Lumens: 1099.1 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81	78	76	74
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78	75	72	71
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70	66	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1361531	1361531	1361531
5°	1162690	1256737	1365394
10°	748553	1001895	1397964
15°	383994	668235	1330289
20°	205075	390513	1170070
25°	114317	214099	951767
30°	60956	121913	663000
35°	26561	58843	345651
40°	7728	17260	130933
45°	1884	4675	19606
50°	998	998	2072
55°	1118	1118	1118
60°	0	1283	1283
65°	0	1518	1518
70°	0	1875	1875
75°	0	2478	2478
80°	0	3694	3694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 19606 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	20.7
10°-20°	414.6	37.7
20°-30°	314.3	28.6
30°-40°	125.8	11.4
40°-50°	12.8	1.2
50°-60°	1.3	0.1
60°-70°	1.1	0.1
70°-80°	1.2	0.1
80°-90°	0.3	0.0
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°	956.7	87.0
0°-40°	1082.5	98.5
0°-60°	1096.5	99.8
0°-90°	1099.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1099.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2760	2760	2760	2760	2760	
5°	2348	2400	2538	2685	2757	197
15°	752	872	1308	2154	2604	215
25°	210	245	393	1124	1748	100
35°	44	55	98	297	574	30
45°	3	4	7	13	28	3
55°	1	1	1	1	1	1
65°	0	1	1	1	1	0
75°	0	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2759.7	2759.7	2759.7	2759.7	2759.7
1°	2745.0	2746.3	2743.6	2747.6	2761.0
2°	2683.4	2703.5	2720.9	2738.3	2761.0
3°	2597.8	2621.9	2676.7	2731.6	2766.4
4°	2472.1	2521.6	2615.2	2715.5	2766.4
5°	2347.7	2399.8	2537.6	2684.8	2757.0
6°	2205.9	2280.8	2448.0	2655.3	2762.4
7°	2045.4	2137.7	2349.0	2636.6	2778.4
8°	1871.4	1975.8	2240.7	2596.5	2785.1
9°	1678.8	1805.9	2125.6	2548.3	2787.8
10°	1494.2	1628.0	1999.9	2493.5	2790.5
11°	1309.6	1448.7	1863.4	2440.0	2779.8
12°	1153.1	1285.5	1720.3	2383.8	2763.7
13°	1008.6	1137.0	1578.5	2316.9	2722.2
14°	874.9	1000.6	1442.0	2239.3	2667.4
15°	751.8	872.2	1308.3	2153.7	2604.5
16°	640.8	753.1	1179.9	2058.7	2535.0
17°	560.5	650.1	1059.5	1958.4	2466.7
18°	497.6	564.5	945.8	1859.4	2394.5
19°	441.4	495.0	840.1	1756.4	2314.2
20°	390.6	438.8	743.8	1649.4	2228.6
21°	347.8	389.3	654.1	1543.7	2141.7
22°	310.3	346.5	573.9	1439.4	2046.7
23°	275.6	307.7	505.7	1333.7	1951.7
24°	242.1	276.9	445.5	1226.7	1852.7
25°	210.0	244.8	393.3	1123.7	1748.4
26°	184.6	216.7	349.1	1023.3	1640.0
27°	159.2	192.6	310.3	927.0	1530.3
28°	139.1	169.9	275.6	834.7	1411.3
29°	120.4	149.8	243.5	743.8	1289.5
30°	107.0	129.8	214.0	658.2	1163.8
32.5°	73.6	87.0	149.8	462.8	849.4
35°	44.1	54.8	97.7	297.0	573.9
37.5°	24.1	29.4	56.2	177.9	361.2
40°	12.0	14.7	26.8	87.0	203.3
42.5°	5.4	6.7	12.0	33.4	87.0
45°	2.7	4.0	6.7	13.4	28.1
47.5°	1.3	2.7	2.7	5.4	8.0
50°	1.3	1.3	1.3	2.7	2.7
52.5°	1.3	1.3	1.3	2.7	2.7
55°	1.3	1.3	1.3	1.3	1.3
57.5°	0.0	1.3	1.3	1.3	1.3
60°	0.0	1.3	1.3	1.3	1.3
62.5°	0.0	1.3	1.3	1.3	1.3
65°	0.0	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.3	1.3	1.3	1.3
70°	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	1.3	1.3	1.3	1.3
75°	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0
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)