

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: P1178680

Luminaire Tested: LDA2B108030R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108030R2050D010 2LBDC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

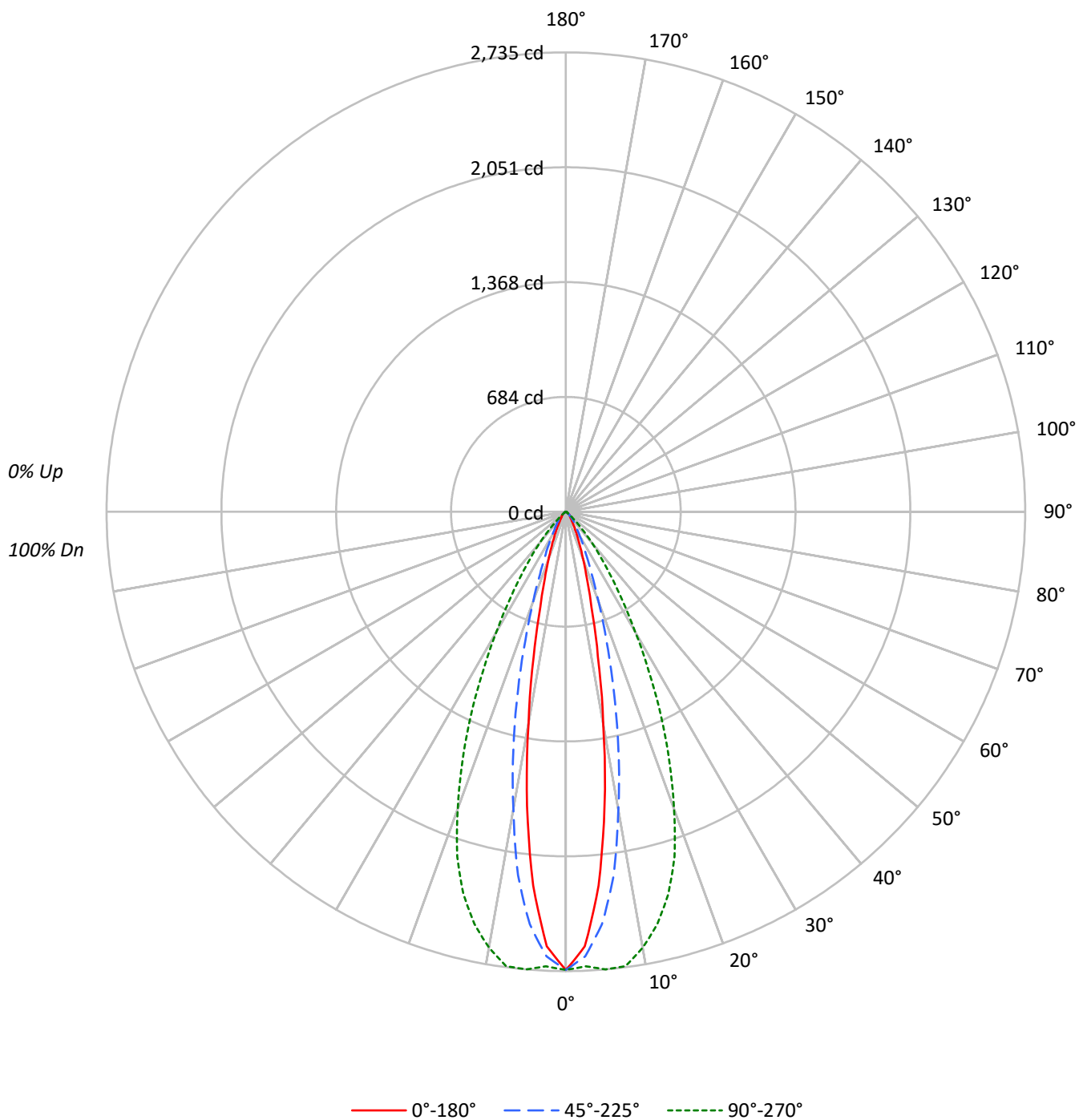
Lumens per Lamp: N/A
Luminaire Lumens: 980.5 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1345743	1345743	1345743
5°	1106430	1220782	1354301
10°	642247	902102	1320364
15°	299207	561842	1203262
20°	157665	296219	988989
25°	87316	160370	729448
30°	51215	93941	471756
35°	32885	63059	279520
40°	25633	42507	155342
45°	22257	25397	69074
50°	20109	17500	25329
55°	13676	12730	11784
60°	10065	8979	8979
65°	7938	6654	7938
70°	6635	6635	6635
75°	6481	6481	6481
80°	6535	6535	6535
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 69074 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	22.1
10°-20°	355.6	36.3
20°-30°	237.2	24.2
30°-40°	106.9	10.9
40°-50°	39.2	4.0
50°-60°	13.7	1.4
60°-70°	6.4	0.7
70°-80°	3.4	0.3
80°-90°	0.9	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°	810.0	82.6
0°-40°	917.0	93.5
0°-60°	969.8	98.9
0°-90°	980.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	980.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2728	2728	2728	2728	2728	
5°	2234	2303	2465	2645	2735	182
15°	586	688	1100	1859	2356	175
25°	160	187	295	803	1340	77
35°	55	61	105	226	464	36
45°	32	32	36	57	99	25
55°	16	15	15	12	14	15
65°	7	7	6	6	7	7
75°	3	3	3	3	3	3
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°	2727.7	2727.7	2727.7	2727.7	2727.7
2.5°	2590.1	2617.4	2649.2	2682.2	2708.4
5°	2234.1	2303.4	2465.0	2644.7	2734.6
7.5°	1766.5	1868.9	2182.9	2537.8	2727.7
10°	1282.0	1412.8	1800.7	2352.4	2635.6
12.5°	881.6	1004.4	1444.6	2118.0	2513.9
15°	585.8	688.2	1100.0	1858.7	2355.8
17.5°	412.9	482.3	799.7	1575.4	2152.2
20°	300.3	346.9	564.2	1297.9	1883.7
22.5°	218.4	253.7	401.5	1037.4	1611.8
25°	160.4	186.6	294.6	803.1	1340.0
27.5°	119.4	139.9	220.7	609.7	1068.1
30°	89.9	106.9	164.9	449.3	828.1
32.5°	69.4	80.8	126.3	320.8	626.8
35°	54.6	61.4	104.7	226.4	464.1
37.5°	45.5	50.1	86.5	158.1	340.1
40°	39.8	43.2	66.0	112.6	241.2
42.5°	35.3	37.5	47.8	80.8	157.0
45°	31.9	31.9	36.4	56.9	99.0
47.5°	29.6	26.2	28.4	39.8	58.0
50°	26.2	21.6	22.8	27.3	33.0
52.5°	20.5	18.2	18.2	18.2	19.3
55°	15.9	14.8	14.8	12.5	13.7
57.5°	12.5	12.5	11.4	10.2	11.4
60°	10.2	10.2	9.1	8.0	9.1
62.5°	8.0	8.0	6.8	6.8	8.0
65°	6.8	6.8	5.7	5.7	6.8
67.5°	5.7	5.7	5.7	4.6	5.7
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.4	3.4	4.6	3.4	3.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
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)