

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: P1178678

Luminaire Tested: LDA2B108030R2050D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178678
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 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

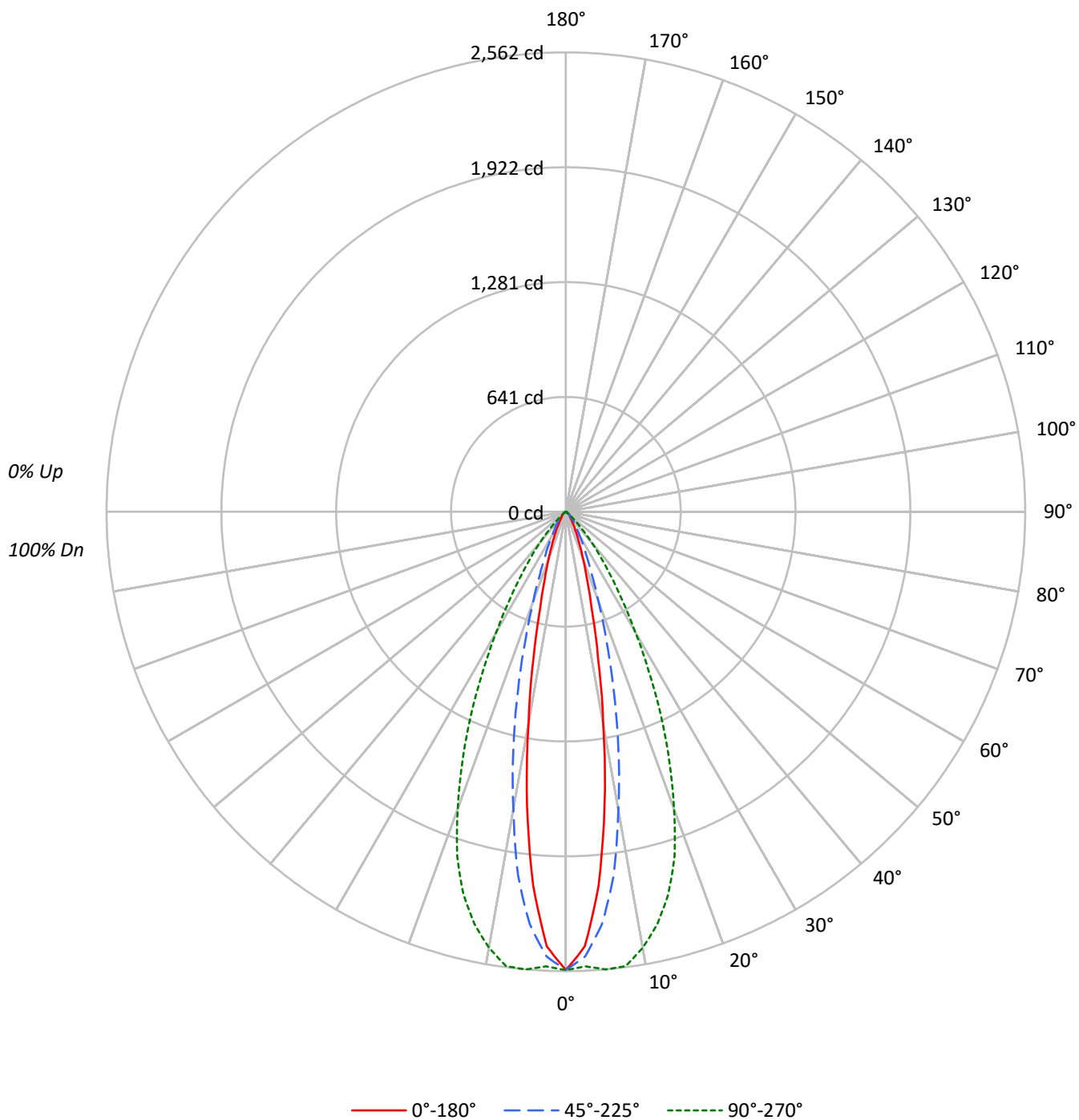
Lumens per Lamp: N/A
Luminaire Lumens: 918.6 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90			
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	90	88	86	85			
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76			
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	70			
8	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67			
9	82	74	69	66	81	74	69	66	73	68	65	72	68	65	71	68	65	64			
10	79	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	61			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1260786	1260786	1260786
5°	1036551	1143722	1268772
10°	601668	845141	1237002
15°	280308	526344	1127311
20°	147689	277528	926563
25°	81818	150245	683395
30°	47967	88016	441962
35°	30837	59024	261873
40°	24023	39802	145488
45°	20792	23792	64679
50°	18805	16348	23717
55°	12816	11956	11010
60°	9473	8387	8387
65°	7471	6187	7471
70°	6203	6203	6203
75°	6100	6100	6100
80°	5966	5966	5966
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 64679 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.5	22.1
10°-20°	333.2	36.3
20°-30°	222.2	24.2
30°-40°	100.2	10.9
40°-50°	36.7	4.0
50°-60°	12.8	1.4
60°-70°	6.0	0.7
70°-80°	3.2	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°	758.9	82.6
0°-40°	859.1	93.5
0°-60°	908.6	98.9
0°-90°	918.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	918.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2556	2556	2556	2556	2556	
5°	2093	2158	2309	2478	2562	171
15°	549	645	1030	1741	2207	164
25°	150	175	276	752	1255	73
35°	51	58	98	212	435	34
45°	30	30	34	53	93	23
55°	15	14	14	12	13	14
65°	6	6	5	5	6	6
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°	2555.5	2555.5	2555.5	2555.5	2555.5
2.5°	2426.6	2452.2	2482.0	2512.9	2537.4
5°	2093.0	2158.0	2309.4	2477.8	2561.9
7.5°	1655.0	1750.9	2045.1	2377.6	2555.5
10°	1201.0	1323.6	1687.0	2203.9	2469.2
12.5°	825.9	941.0	1353.4	1984.3	2355.2
15°	548.8	644.7	1030.5	1741.4	2207.1
17.5°	386.8	451.9	749.2	1476.0	2016.3
20°	281.3	325.0	528.6	1216.0	1764.8
22.5°	204.6	237.7	376.2	971.9	1510.1
25°	150.3	174.8	276.0	752.4	1255.4
27.5°	111.9	131.1	206.7	571.2	1000.7
30°	84.2	100.2	154.5	421.0	775.8
32.5°	65.0	75.7	118.3	300.5	587.2
35°	51.2	57.5	98.0	212.1	434.8
37.5°	42.6	46.9	81.0	148.1	318.6
40°	37.3	40.5	61.8	105.5	225.9
42.5°	33.0	35.2	44.8	75.7	147.1
45°	29.8	29.8	34.1	53.3	92.7
47.5°	27.7	24.5	26.6	37.3	54.4
50°	24.5	20.2	21.3	25.6	30.9
52.5°	19.2	17.1	17.1	17.1	18.1
55°	14.9	13.9	13.9	11.7	12.8
57.5°	11.7	11.7	10.7	9.6	10.7
60°	9.6	9.6	8.5	7.5	8.5
62.5°	7.5	7.5	6.4	6.4	7.5
65°	6.4	6.4	5.3	5.3	6.4
67.5°	5.3	5.3	5.3	4.3	5.3
70°	4.3	4.3	4.3	4.3	4.3
72.5°	3.2	3.2	4.3	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1
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)