

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: P1179791

Luminaire Tested: LDA2B208050R2050D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179791
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: LDA2B208050R2050D010 2LBD1B
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

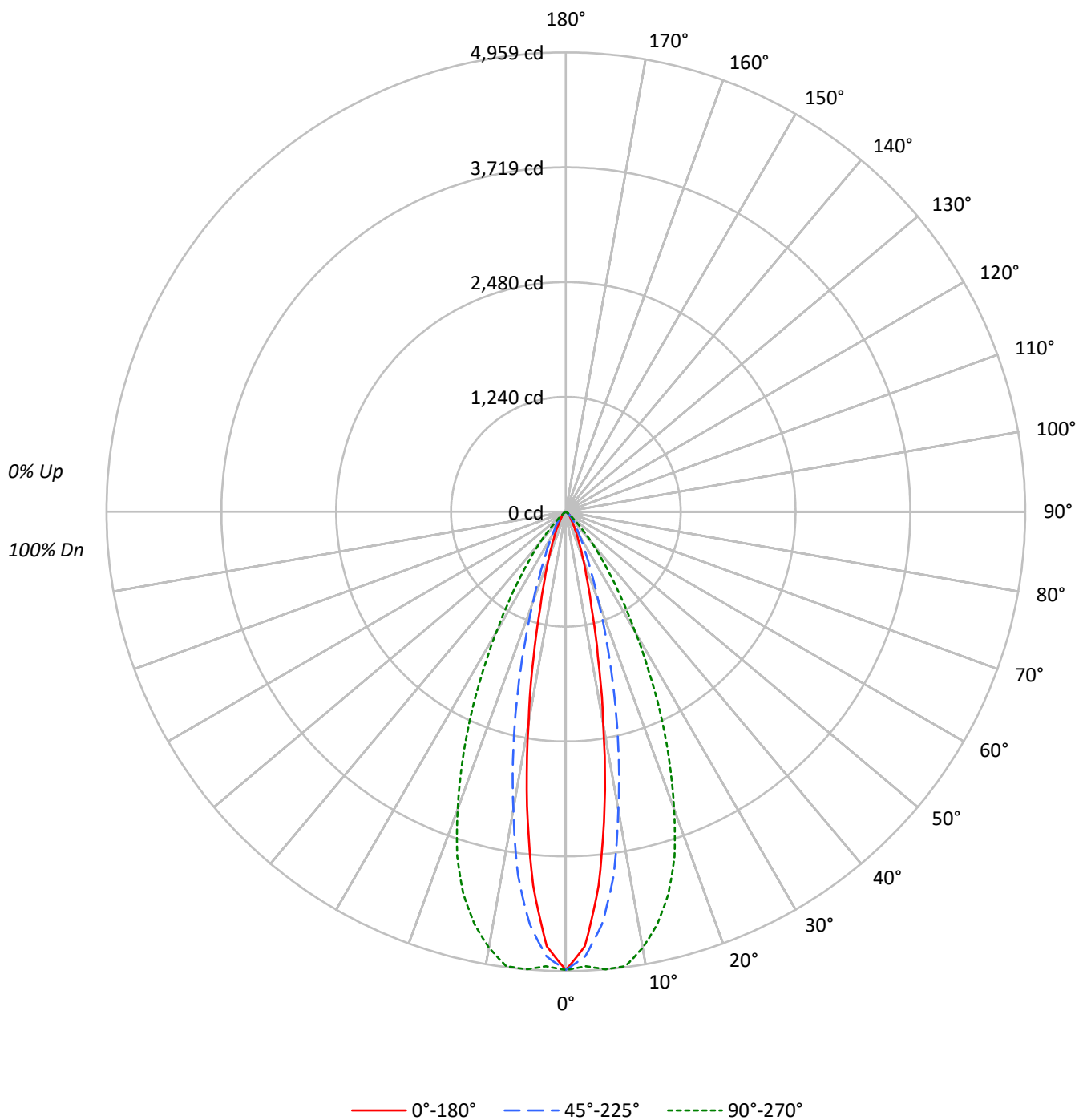
Lumens per Lamp: N/A
Luminaire Lumens: 1778.1 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	90	88	86	86	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	78	78	76
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	74	74	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	71	71	70
8	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	68	68	67
9	82	74	69	66	81	74	69	66	73	68	65	72	68	65	71	68	65	65	65	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2440315	2440315	2440315
5°	2006292	2213702	2455778
10°	1164611	1635776	2394299
15°	542586	1018773	2181889
20°	285928	537153	1793379
25°	158301	290800	1322751
30°	92859	170393	855439
35°	59626	114313	506882
40°	46500	77027	281638
45°	40328	46049	125241
50°	36381	31699	45899
55°	24858	23052	21332
60°	18353	16281	16281
65°	14476	12024	14476
70°	11973	11973	11973
75°	11818	11818	11818
80°	11649	11649	11649
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 125241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.8	22.1
10°-20°	644.9	36.3
20°-30°	430.2	24.2
30°-40°	193.9	10.9
40°-50°	71.0	4.0
50°-60°	24.8	1.4
60°-70°	11.6	0.7
70°-80°	6.1	0.3
80°-90°	1.7	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°	1468.9	82.6
0°-40°	1662.8	93.5
0°-60°	1758.6	98.9
0°-90°	1778.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1778.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4946	4946	4946	4946	4946	
5°	4051	4177	4470	4796	4959	331
15°	1062	1248	1995	3370	4272	318
25°	291	338	534	1456	2430	140
35°	99	111	190	410	842	66
45°	58	58	66	103	180	45
55°	29	27	27	23	25	27
65°	12	12	10	10	12	12
75°	6	6	6	6	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4946.3	4946.3	4946.3	4946.3	4946.3
2.5°	4696.8	4746.3	4804.0	4863.8	4911.3
5°	4051.1	4177.0	4469.9	4795.8	4958.7
7.5°	3203.4	3389.0	3958.3	4601.9	4946.3
10°	2324.7	2561.9	3265.2	4265.7	4779.3
12.5°	1598.6	1821.4	2619.6	3840.7	4558.6
15°	1062.3	1247.9	1994.6	3370.4	4271.8
17.5°	748.8	874.6	1450.1	2856.8	3902.6
20°	544.6	629.1	1023.1	2353.5	3415.8
22.5°	396.0	460.0	728.1	1881.2	2922.8
25°	290.8	338.3	534.2	1456.3	2429.9
27.5°	216.6	253.7	400.2	1105.6	1936.9
30°	163.0	193.9	299.1	814.8	1501.6
32.5°	125.8	146.5	229.0	581.7	1136.5
35°	99.0	111.4	189.8	410.5	841.6
37.5°	82.5	90.8	156.8	286.7	616.7
40°	72.2	78.4	119.6	204.2	437.3
42.5°	63.9	68.1	86.6	146.5	284.7
45°	57.8	57.8	66.0	103.1	179.5
47.5°	53.6	47.4	51.6	72.2	105.2
50°	47.4	39.2	41.3	49.5	59.8
52.5°	37.1	33.0	33.0	33.0	35.1
55°	28.9	26.8	26.8	22.7	24.8
57.5°	22.7	22.7	20.6	18.6	20.6
60°	18.6	18.6	16.5	14.4	16.5
62.5°	14.4	14.4	12.4	12.4	14.4
65°	12.4	12.4	10.3	10.3	12.4
67.5°	10.3	10.3	10.3	8.3	10.3
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.2	6.2	8.3	6.2	6.2
75°	6.2	6.2	6.2	6.2	6.2
77.5°	4.1	4.1	4.1	4.1	4.1
80°	4.1	4.1	4.1	4.1	4.1
82.5°	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1
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)