

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: P1179714

Luminaire Tested: LDA2B208035R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179714
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: LDA2B208035R2040D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

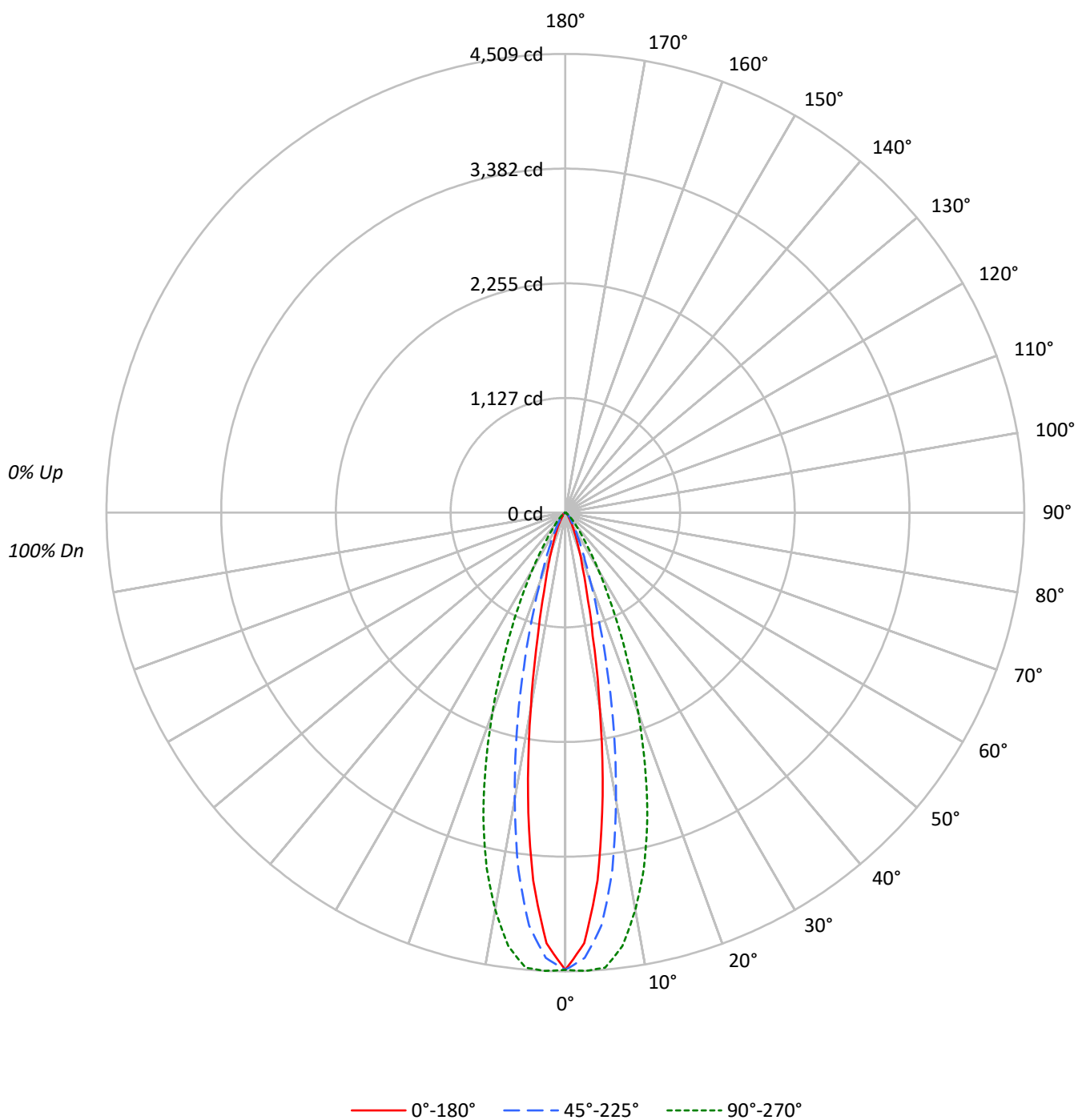
Lumens per Lamp: N/A
Luminaire Lumens: 1266.5 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	81	81	79
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	77	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	74	74	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	72	72	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	69	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	67	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2217020	2217020	2217020
5°	1797001	2018327	2222765
10°	977047	1433032	1984854
15°	413261	804150	1588788
20°	210955	378123	1098562
25°	116821	193413	669568
30°	65400	107443	365168
35°	37884	65047	186045
40°	28144	49269	102982
45°	24769	33351	61050
50°	26250	22028	32543
55°	18837	15311	17633
60°	12137	10755	10755
65°	9573	9573	9573
70°	7934	7934	7934
75°	7815	7815	7815
80°	7671	7671	7671
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 61050 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.1	27.6
10°-20°	495.1	39.1
20°-30°	255.1	20.1
30°-40°	93.9	7.4
40°-50°	41.2	3.3
50°-60°	18.1	1.4
60°-70°	7.9	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°	1100.3	86.9
0°-40°	1194.2	94.3
0°-60°	1253.5	99.0
0°-90°	1266.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1266.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4494	4494	4494	4494	4494	
5°	3628	3752	4075	4364	4488	292
15°	809	940	1574	2627	3111	247
25°	215	240	355	816	1230	103
35°	63	72	108	189	309	43
45°	36	41	48	57	88	29
55°	22	19	18	19	20	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°	4493.7	4493.7	4493.7	4493.7	4493.7
2.5°	4236.7	4287.3	4381.6	4471.8	4508.7
5°	3628.5	3751.5	4075.4	4363.8	4488.2
7.5°	2809.9	3012.2	3537.0	4076.8	4298.2
10°	1950.3	2155.3	2860.5	3636.7	3962.0
12.5°	1243.7	1443.2	2204.5	3148.8	3571.1
15°	809.1	940.3	1574.4	2626.8	3110.6
17.5°	561.7	654.6	1071.5	2073.3	2600.8
20°	401.8	467.4	720.2	1581.3	2092.4
22.5°	291.1	336.2	500.2	1154.8	1626.4
25°	214.6	240.5	355.3	815.9	1230.0
27.5°	158.5	174.9	256.9	563.1	899.3
30°	114.8	128.5	188.6	386.8	641.0
32.5°	83.4	95.7	140.8	267.9	446.9
35°	62.9	72.4	108.0	188.6	308.9
37.5°	51.9	57.4	88.8	136.7	218.7
40°	43.7	49.2	76.5	101.1	159.9
42.5°	38.3	45.1	62.9	75.2	120.3
45°	35.5	41.0	47.8	57.4	87.5
47.5°	35.5	34.2	36.9	43.7	61.5
50°	34.2	28.7	28.7	34.2	42.4
52.5°	28.7	23.2	23.2	24.6	28.7
55°	21.9	19.1	17.8	19.1	20.5
57.5°	16.4	16.4	15.0	13.7	15.0
60°	12.3	12.3	10.9	10.9	10.9
62.5°	9.6	9.6	9.6	8.2	9.6
65°	8.2	8.2	8.2	6.8	8.2
67.5°	6.8	6.8	5.5	6.8	6.8
70°	5.5	5.5	5.5	5.5	5.5
72.5°	4.1	4.1	4.1	4.1	4.1
75°	4.1	4.1	4.1	4.1	4.1
77.5°	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7
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)