

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: P1178265

Luminaire Tested: LDA2B058040R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178265
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: LDA2B058040R2060D010 2LBDC1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

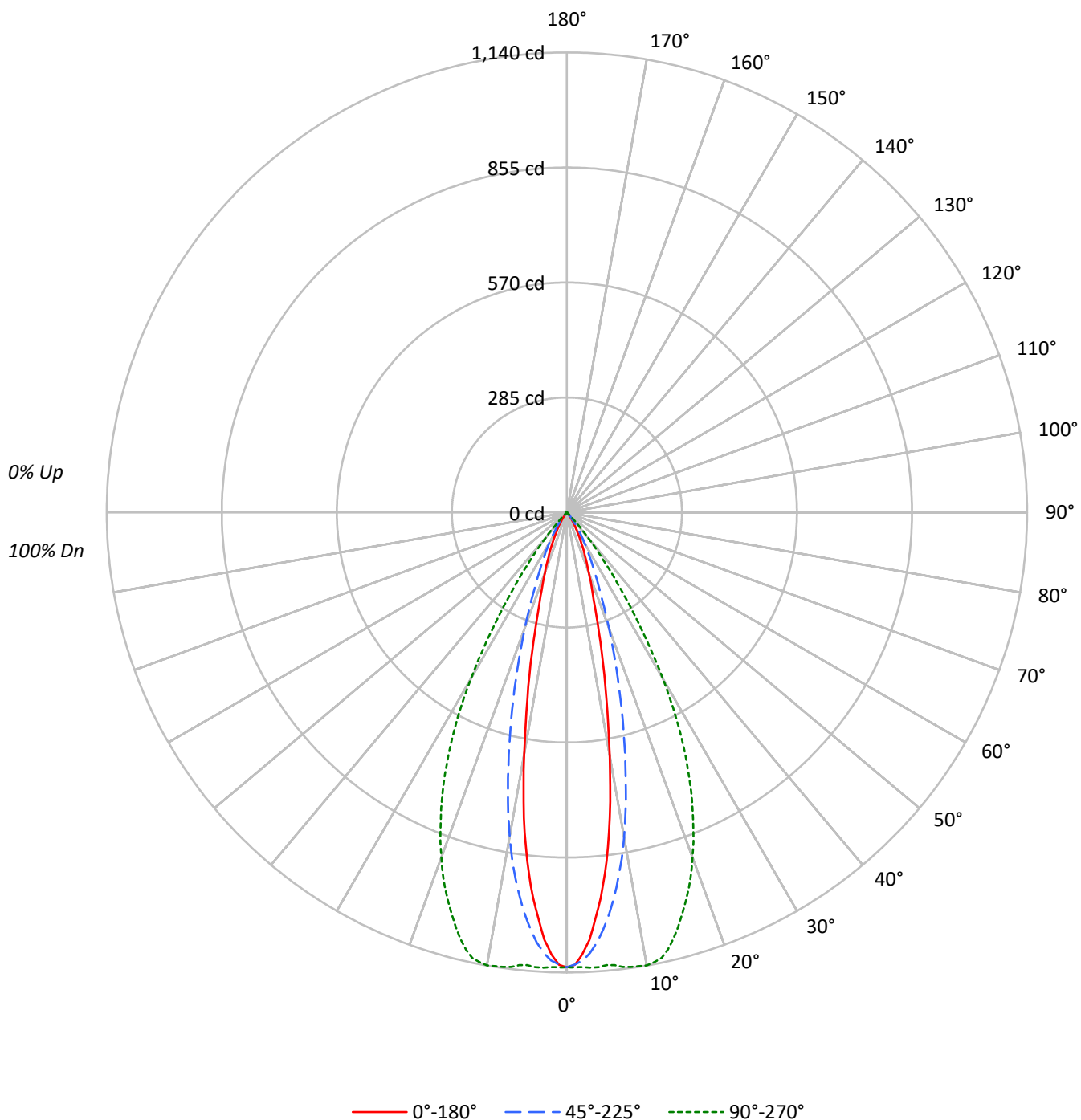
Lumens per Lamp: N/A
Luminaire Lumens: 448.8 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	92	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	87	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	67	64	70	66	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	556019	556019	556019
5°	474793	513224	557598
10°	305694	409144	570908
15°	156805	272902	543250
20°	83741	159450	477825
25°	46706	87425	388676
30°	24895	49790	270771
35°	10841	24031	141175
40°	3156	7020	53455
45°	767	1884	8024
50°	384	384	844
55°	430	430	430
60°	0	493	493
65°	0	584	584
70°	0	721	721
75°	0	953	953
80°	0	1421	1421
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8024 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	20.7
10°-20°	169.3	37.7
20°-30°	128.4	28.6
30°-40°	51.4	11.4
40°-50°	5.2	1.2
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	390.7	87.1
0°-40°	442.1	98.5
0°-60°	447.8	99.8
0°-90°	448.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	448.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1127	1127	1127	1127	1127	
5°	959	980	1036	1096	1126	80
15°	307	356	534	880	1064	88
25°	86	100	161	459	714	41
35°	18	22	40	121	234	12
45°	1	2	3	6	12	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	1127.0	1127.0	1127.0	1127.0	1127.0
1°	1121.0	1121.5	1120.4	1122.1	1127.5
2°	1095.9	1104.1	1111.2	1118.3	1127.5
3°	1060.9	1070.7	1093.1	1115.5	1129.7
4°	1009.5	1029.8	1068.0	1109.0	1129.7
5°	958.7	980.0	1036.3	1096.4	1125.9
6°	900.8	931.4	999.7	1084.4	1128.1
7°	835.3	873.0	959.3	1076.7	1134.6
8°	764.3	806.9	915.0	1060.4	1137.4
9°	685.6	737.5	868.1	1040.7	1138.5
10°	610.2	664.8	816.7	1018.3	1139.6
11°	534.8	591.6	761.0	996.4	1135.2
12°	470.9	525.0	702.5	973.5	1128.6
13°	411.9	464.3	644.6	946.2	1111.7
14°	357.3	408.6	588.9	914.5	1089.3
15°	307.0	356.2	534.3	879.5	1063.6
16°	261.7	307.6	481.8	840.7	1035.2
17°	228.9	265.5	432.7	799.8	1007.4
18°	203.2	230.5	386.2	759.3	977.9
19°	180.3	202.1	343.1	717.3	945.1
20°	159.5	179.2	303.7	673.6	910.1
21°	142.0	159.0	267.1	630.4	874.6
22°	126.7	141.5	234.4	587.8	835.8
23°	112.5	125.6	206.5	544.7	797.0
24°	98.9	113.1	181.9	500.9	756.6
25°	85.8	100.0	160.6	458.9	714.0
26°	75.4	88.5	142.6	417.9	669.8
27°	65.0	78.7	126.7	378.6	625.0
28°	56.8	69.4	112.5	340.9	576.3
29°	49.2	61.2	99.4	303.7	526.6
30°	43.7	53.0	87.4	268.8	475.3
32.5°	30.0	35.5	61.2	189.0	346.9
35°	18.0	22.4	39.9	121.3	234.4
37.5°	9.8	12.0	22.9	72.7	147.5
40°	4.9	6.0	10.9	35.5	83.0
42.5°	2.2	2.7	4.9	13.7	35.5
45°	1.1	1.6	2.7	5.5	11.5
47.5°	0.5	1.1	1.1	2.2	3.3
50°	0.5	0.5	0.5	1.1	1.1
52.5°	0.5	0.5	0.5	1.1	1.1
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.0	0.5	0.5	0.5	0.5
60°	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.5	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.5	0.5	0.5	0.5
75°	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5
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)