

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: P1178627

Luminaire Tested: LDA2B108027R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178627
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: LDA2B108027R2040D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

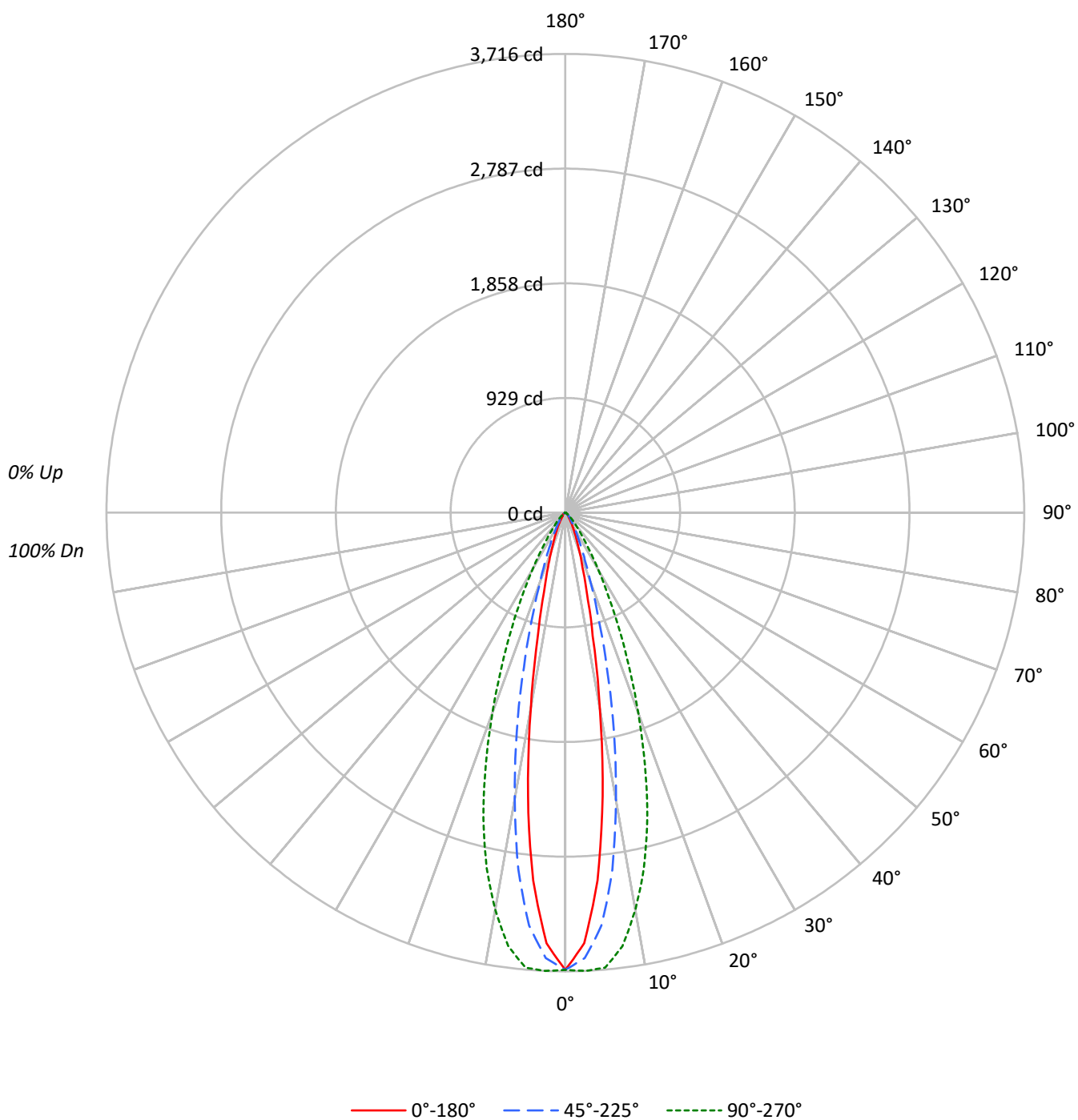
Lumens per Lamp: N/A
Luminaire Lumens: 1043.8 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1827215	1827215	1827215
5°	1481084	1663483	1831966
10°	805264	1181043	1635876
15°	340579	662770	1309450
20°	173888	311655	905405
25°	96244	159444	551877
30°	53892	88529	300965
35°	31198	53603	153341
40°	23185	40639	84884
45°	20443	27490	50306
50°	21644	18191	26787
55°	15483	12558	14537
60°	9966	8881	8881
65°	7938	7938	7938
70°	6491	6491	6491
75°	6481	6481	6481
80°	6535	6535	6535
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 50306 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.6	27.6
10°-20°	408.1	39.1
20°-30°	210.2	20.1
30°-40°	77.4	7.4
40°-50°	34.0	3.3
50°-60°	14.9	1.4
60°-70°	6.5	0.6
70°-80°	3.3	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°	906.9	86.9
0°-40°	984.2	94.3
0°-60°	1033.1	99.0
0°-90°	1043.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1043.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3704	3704	3704	3704	3704	
5°	2991	3092	3359	3597	3699	241
15°	667	775	1298	2165	2564	204
25°	177	198	293	672	1014	85
35°	52	60	89	155	255	35
45°	29	34	39	47	72	24
55°	18	16	15	16	17	17
65°	7	7	7	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°	3703.6	3703.6	3703.6	3703.6	3703.6
2.5°	3491.8	3533.5	3611.2	3685.6	3716.0
5°	2990.6	3091.9	3358.9	3596.6	3699.1
7.5°	2315.9	2482.6	2915.1	3360.0	3542.5
10°	1607.4	1776.3	2357.5	2997.3	3265.4
12.5°	1025.0	1189.5	1816.9	2595.2	2943.3
15°	666.8	775.0	1297.6	2164.9	2563.7
17.5°	462.9	539.5	883.1	1708.7	2143.5
20°	331.2	385.2	593.6	1303.2	1724.5
22.5°	239.9	277.1	412.3	951.8	1340.4
25°	176.8	198.2	292.9	672.5	1013.8
27.5°	130.7	144.2	211.8	464.1	741.2
30°	94.6	105.9	155.4	318.8	528.3
32.5°	68.7	78.8	116.0	220.8	368.3
35°	51.8	59.7	89.0	155.4	254.6
37.5°	42.8	47.3	73.2	112.6	180.2
40°	36.0	40.6	63.1	83.4	131.8
42.5°	31.5	37.2	51.8	62.0	99.1
45°	29.3	33.8	39.4	47.3	72.1
47.5°	29.3	28.2	30.4	36.0	50.7
50°	28.2	23.7	23.7	28.2	34.9
52.5°	23.7	19.1	19.1	20.3	23.7
55°	18.0	15.8	14.6	15.8	16.9
57.5°	13.5	13.5	12.4	11.3	12.4
60°	10.1	10.1	9.0	9.0	9.0
62.5°	7.9	7.9	7.9	6.8	7.9
65°	6.8	6.8	6.8	5.6	6.8
67.5°	5.6	5.6	4.5	5.6	5.6
70°	4.5	4.5	4.5	4.5	4.5
72.5°	3.4	3.4	3.4	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)