

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: P1179636

Luminaire Tested: LDA2B208027R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179636
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: LDA2B208027R2040D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

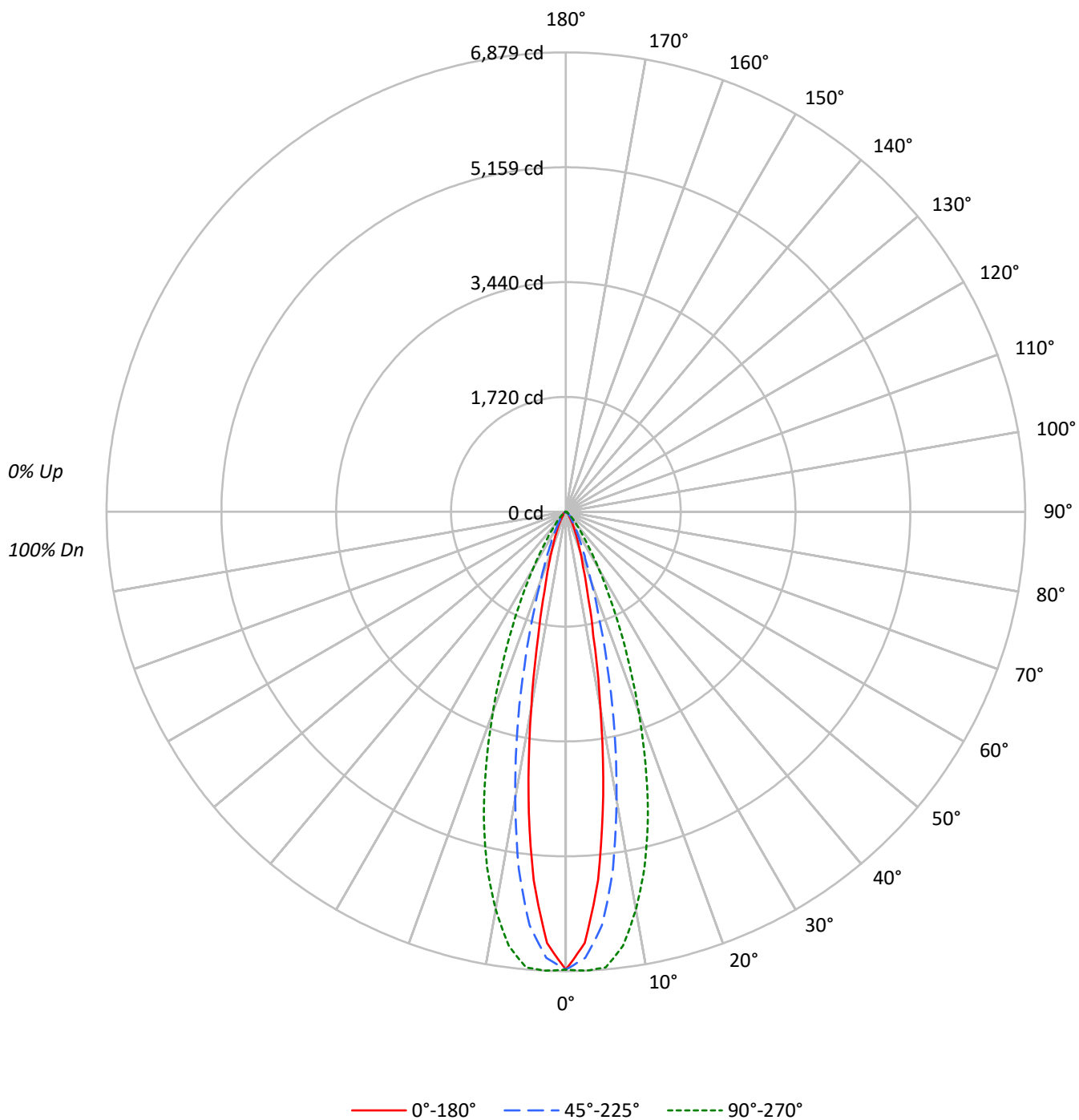
Lumens per Lamp: N/A
Luminaire Lumens: 1932.3 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			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	88	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°	3382390	3382390	3382390
5°	2741684	3079343	3391199
10°	1490644	2186295	3028230
15°	630489	1226859	2423941
20°	321840	576950	1676036
25°	178225	295100	1021554
30°	99752	163898	557095
35°	57759	99196	283796
40°	42957	75224	157145
45°	37816	50933	93076
50°	39989	33618	49583
55°	28729	23310	26923
60°	18550	16478	16478
65°	14592	14592	14592
70°	11973	11973	11973
75°	12009	12009	12009
80°	11933	11933	11933
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 93076 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.2	27.6
10°-20°	755.4	39.1
20°-30°	389.1	20.1
30°-40°	143.2	7.4
40°-50°	62.9	3.3
50°-60°	27.6	1.4
60°-70°	12.1	0.6
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°	1678.7	86.9
0°-40°	1821.9	94.3
0°-60°	1912.4	99.0
0°-90°	1932.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1932.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6856	6856	6856	6856	6856	
5°	5536	5724	6218	6658	6848	445
15°	1234	1435	2402	4008	4746	377
25°	327	367	542	1245	1877	157
35°	96	110	165	288	471	65
45°	54	63	73	88	133	44
55°	33	29	27	29	31	31
65°	12	12	12	10	12	13
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°	6855.8	6855.8	6855.8	6855.8	6855.8
2.5°	6463.8	6541.0	6684.9	6822.5	6878.8
5°	5536.0	5723.6	6217.8	6657.8	6847.5
7.5°	4287.0	4595.6	5396.3	6219.9	6557.7
10°	2975.5	3288.2	4364.1	5548.5	6044.7
12.5°	1897.5	2201.9	3363.3	4804.1	5448.4
15°	1234.4	1434.6	2402.0	4007.6	4745.7
17.5°	857.0	998.8	1634.7	3163.1	3968.0
20°	613.0	713.1	1098.9	2412.5	3192.3
22.5°	444.1	512.9	763.2	1761.9	2481.3
25°	327.4	367.0	542.1	1244.8	1876.6
27.5°	241.9	266.9	392.0	859.1	1372.0
30°	175.1	196.0	287.7	590.1	977.9
32.5°	127.2	146.0	214.8	408.7	681.8
35°	95.9	110.5	164.7	287.7	471.2
37.5°	79.2	87.6	135.5	208.5	333.6
40°	66.7	75.1	116.8	154.3	244.0
42.5°	58.4	68.8	95.9	114.7	183.5
45°	54.2	62.6	73.0	87.6	133.4
47.5°	54.2	52.1	56.3	66.7	93.8
50°	52.1	43.8	43.8	52.1	64.6
52.5°	43.8	35.4	35.4	37.5	43.8
55°	33.4	29.2	27.1	29.2	31.3
57.5°	25.0	25.0	22.9	20.9	22.9
60°	18.8	18.8	16.7	16.7	16.7
62.5°	14.6	14.6	14.6	12.5	14.6
65°	12.5	12.5	12.5	10.4	12.5
67.5°	10.4	10.4	8.3	10.4	10.4
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.3	6.3	6.3	6.3	6.3
75°	6.3	6.3	6.3	6.3	6.3
77.5°	4.2	4.2	4.2	4.2	4.2
80°	4.2	4.2	4.2	4.2	4.2
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)