

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: METALUX

Report Number: P1584075

Luminaire Tested: 14CGSB-20-A125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-20-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

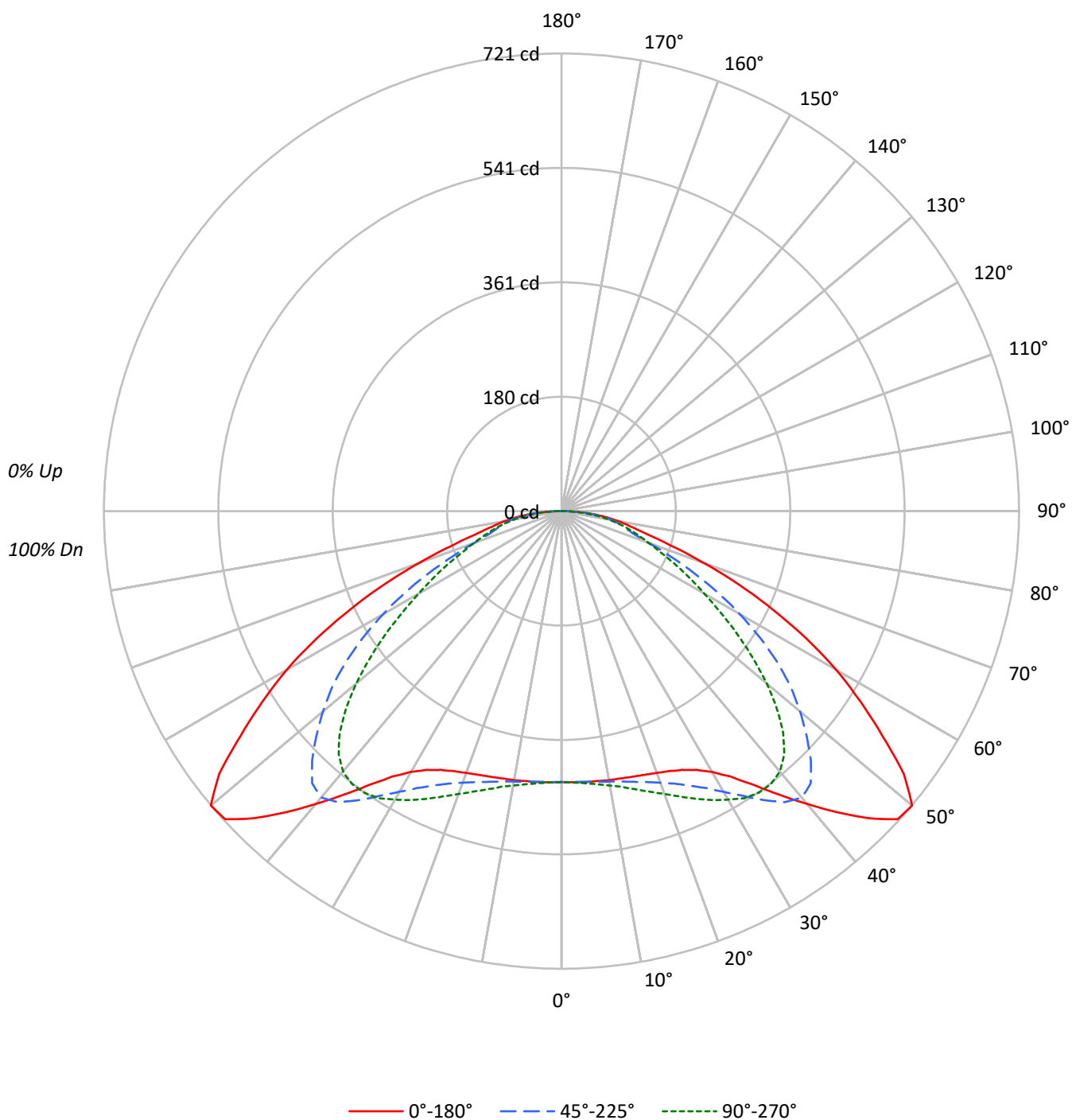
Lumens per Lamp: N/A
Luminaire Lumens: 1999.5 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58	56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49	47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42	39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36	34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31	29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27	25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24	22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1149	1149	1149
5°	1157	1156	1162
10°	1176	1182	1199
15°	1207	1230	1265
20°	1257	1304	1358
25°	1336	1416	1484
30°	1473	1586	1631
35°	1728	1826	1780
40°	2115	2070	1881
45°	2604	2115	1881
50°	3020	2053	1767
55°	2897	1947	1589
60°	2692	1747	1399
65°	2344	1463	1253
70°	1876	1150	1150
75°	1439	1091	1142
80°	1412	1260	1162
85°	1420	1396	1139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	2.1
10°-20°	126.0	6.3
20°-30°	221.8	11.1
30°-40°	343.6	17.2
40°-50°	437.7	21.9
50°-60°	398.3	19.9
60°-70°	258.3	12.9
70°-80°	125.6	6.3
80°-90°	47.1	2.4
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°	388.9	19.5
0°-40°	732.5	36.6
0°-60°	1568.5	78.4
0°-90°	1999.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1999.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	427	427	427	427	427	
5°	428	429	428	429	430	41
15°	433	436	442	450	454	123
25°	450	459	477	494	500	210
35°	526	549	556	547	542	335
45°	684	642	556	507	494	526
55°	618	542	415	358	339	551
65°	368	326	230	199	197	365
75°	138	127	105	100	110	157
85°	46	50	45	41	37	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	426.9	426.9	426.9	426.9	426.9
2.5°	427.7	428.2	426.9	427.2	428.0
5°	428.5	429.0	428.0	428.7	430.3
7.5°	429.0	430.0	430.0	431.9	433.9
10°	430.3	431.3	432.6	436.3	438.9
12.5°	431.3	433.2	436.3	442.2	445.1
15°	433.2	436.0	441.5	449.8	453.9
17.5°	435.5	439.6	447.4	458.3	463.3
20°	438.9	444.3	455.2	468.2	474.2
22.5°	443.3	450.6	464.6	479.9	486.4
25°	449.8	459.1	476.8	493.7	499.9
27.5°	459.6	471.3	491.6	508.5	513.1
30°	474.2	488.7	510.5	522.2	524.8
32.5°	495.7	514.4	531.8	535.7	536.2
35°	525.9	548.7	555.7	546.6	541.7
37.5°	562.7	588.2	577.8	550.8	542.0
40°	602.0	622.7	589.2	547.4	535.5
42.5°	643.5	642.5	581.4	532.6	519.6
45°	684.3	642.2	555.7	507.2	494.2
47.5°	718.5	622.7	523.8	475.7	460.4
50°	721.4	597.3	490.5	437.6	422.0
52.5°	679.9	572.1	455.5	398.1	380.2
55°	617.5	541.7	415.0	357.6	338.6
57.5°	558.6	502.0	370.8	315.8	297.1
60°	500.2	450.8	324.6	275.3	259.9
62.5°	435.5	391.3	277.3	235.0	227.0
65°	368.2	326.2	229.8	199.2	196.8
67.5°	303.1	264.4	184.4	165.4	168.3
70°	238.4	208.8	146.2	141.8	146.2
72.5°	181.3	164.6	118.9	120.0	127.2
75°	138.4	126.7	104.9	100.0	109.8
77.5°	110.9	103.4	93.0	85.7	93.0
80°	91.1	89.3	81.3	72.7	75.0
82.5°	68.8	70.1	63.9	59.5	56.6
85°	46.0	50.1	45.2	41.3	36.9
87.5°	23.1	28.0	23.9	21.3	19.0
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.8	18.6	17.2	18.9	19.2	13.4	15.1	13.8	15.4	15.7
	3H	18.1	19.7	18.5	20.0	20.4	14.7	16.2	15.1	16.6	16.9
	4H	18.5	20.0	18.9	20.3	20.7	15.2	16.7	15.6	17.1	17.4
	6H	18.8	20.1	19.2	20.5	20.9	15.8	17.2	16.2	17.5	17.9
	8H	18.9	20.2	19.3	20.6	21.0	16.0	17.3	16.4	17.7	18.1
	12H	19.0	20.3	19.4	20.7	21.1	16.2	17.4	16.6	17.8	18.2
4H	2H	17.0	18.5	17.4	18.8	19.2	14.1	15.5	14.5	15.9	16.2
	3H	18.5	19.7	18.9	20.1	20.5	15.5	16.7	15.9	17.1	17.5
	4H	18.9	20.1	19.4	20.5	20.9	16.2	17.3	16.6	17.7	18.1
	6H	19.4	20.4	19.8	20.8	21.3	16.9	17.8	17.3	18.3	18.7
	8H	19.6	20.5	20.1	21.0	21.4	17.2	18.1	17.6	18.5	19.0
	12H	19.8	20.6	20.3	21.1	21.5	17.4	18.2	17.9	18.7	19.2
8H	4H	19.0	20.0	19.5	20.4	20.9	16.5	17.4	17.0	17.9	18.3
	6H	19.6	20.4	20.1	20.9	21.4	17.4	18.1	17.9	18.6	19.1
	8H	19.9	20.6	20.4	21.1	21.6	17.8	18.5	18.3	19.0	19.4
	12H	20.2	20.8	20.7	21.3	21.9	18.1	18.7	18.6	19.2	19.8
12H	4H	19.1	19.9	19.5	20.4	20.8	16.6	17.4	17.1	17.9	18.4
	6H	19.7	20.4	20.2	20.8	21.4	17.5	18.2	18.0	18.6	19.2
	8H	20.0	20.6	20.5	21.1	21.7	18.0	18.6	18.5	19.1	19.6















(END OF REPORT)