

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: P1584083

Luminaire Tested: 14CGSB-25-A125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584083
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-25-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

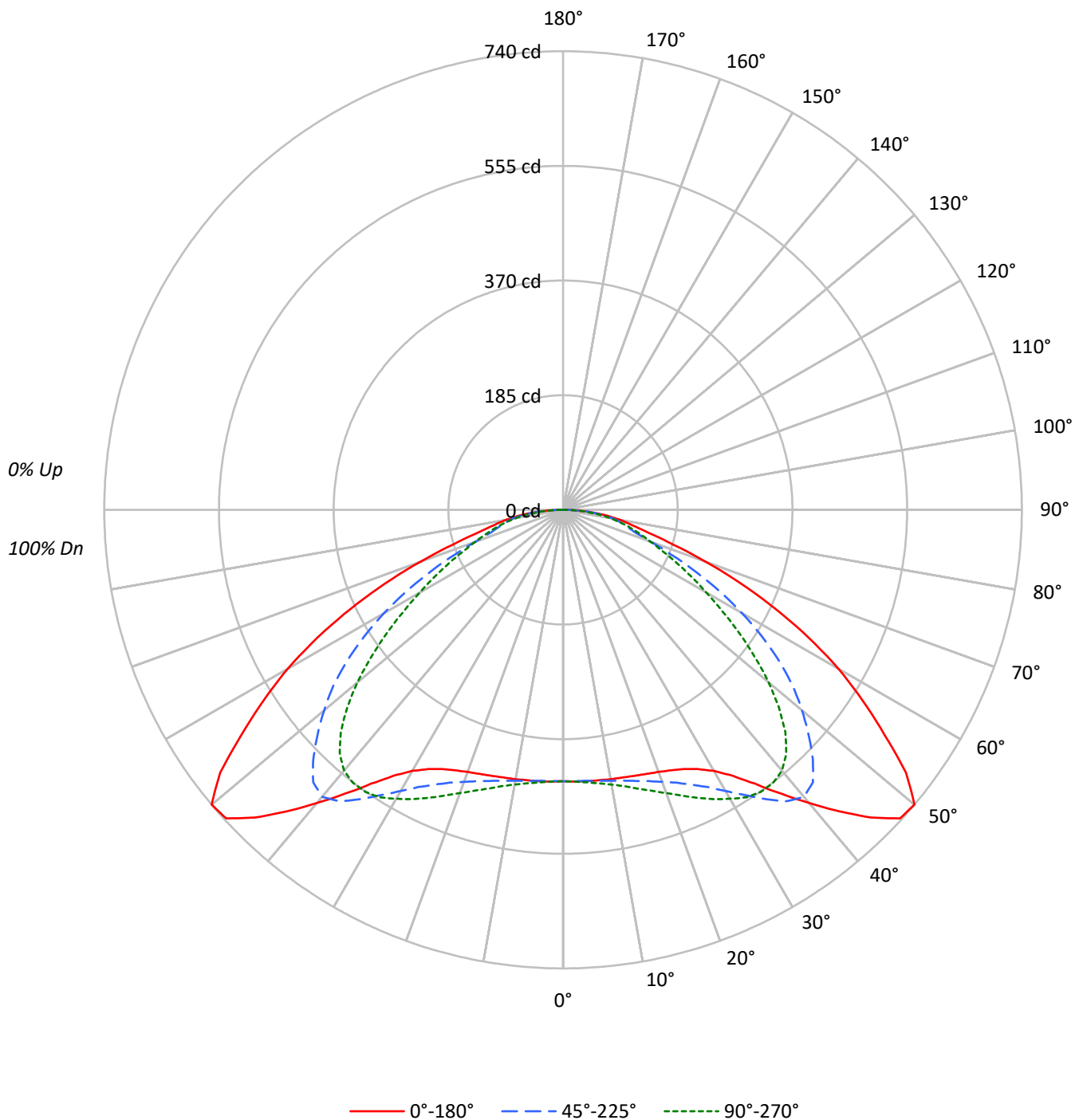
Lumens per Lamp: N/A
Luminaire Lumens: 2050.8 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.6
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
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				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°	1178	1178	1178
5°	1187	1186	1192
10°	1206	1212	1230
15°	1238	1261	1297
20°	1289	1337	1393
25°	1370	1452	1522
30°	1511	1627	1673
35°	1772	1872	1825
40°	2169	2123	1929
45°	2671	2169	1929
50°	3098	2106	1812
55°	2972	1997	1629
60°	2761	1792	1435
65°	2405	1501	1286
70°	1924	1180	1180
75°	1476	1119	1172
80°	1449	1292	1193
85°	1454	1430	1167

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 3098 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	2.1
10°-20°	129.3	6.3
20°-30°	227.5	11.1
30°-40°	352.4	17.2
40°-50°	449.0	21.9
50°-60°	408.5	19.9
60°-70°	264.9	12.9
70°-80°	128.9	6.3
80°-90°	48.3	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°	398.9	19.5
0°-40°	751.3	36.6
0°-60°	1608.8	78.4
0°-90°	2050.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2050.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	440	440	439	440	441	42
15°	444	447	453	461	466	126
25°	461	471	489	506	513	215
35°	539	563	570	561	556	344
45°	702	659	570	520	507	539
55°	633	556	426	367	347	565
65°	378	334	236	204	202	374
75°	142	130	108	102	113	161
85°	47	51	46	42	38	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	437.9	437.9	437.9	437.9	437.9
2.5°	438.7	439.2	437.9	438.1	438.9
5°	439.5	440.0	438.9	439.7	441.3
7.5°	440.0	441.1	441.1	442.9	445.1
10°	441.3	442.4	443.7	447.5	450.1
12.5°	442.4	444.3	447.5	453.6	456.5
15°	444.3	447.2	452.8	461.3	465.6
17.5°	446.7	450.9	458.9	470.1	475.2
20°	450.1	455.7	466.9	480.2	486.4
22.5°	454.7	462.1	476.5	492.2	498.9
25°	461.3	470.9	489.0	506.3	512.7
27.5°	471.4	483.4	504.2	521.5	526.3
30°	486.4	501.3	523.6	535.6	538.3
32.5°	508.5	527.6	545.5	549.5	550.0
35°	539.4	562.8	570.0	560.7	555.6
37.5°	577.2	603.3	592.6	564.9	555.9
40°	617.4	638.7	604.4	561.5	549.2
42.5°	660.0	659.0	596.4	546.3	533.0
45°	701.8	658.7	570.0	520.2	506.9
47.5°	737.0	638.7	537.2	488.0	472.2
50°	739.9	612.6	503.1	448.8	432.8
52.5°	697.3	586.8	467.2	408.3	389.9
55°	633.4	555.6	425.6	366.8	347.3
57.5°	572.9	514.9	380.3	323.9	304.7
60°	513.0	462.4	332.9	282.3	266.6
62.5°	446.7	401.4	284.5	241.0	232.8
65°	377.7	334.5	235.7	204.3	201.9
67.5°	310.8	271.1	189.1	169.7	172.6
70°	244.5	214.1	150.0	145.4	150.0
72.5°	185.9	168.9	122.0	123.1	130.5
75°	142.0	130.0	107.6	102.5	112.7
77.5°	113.7	106.0	95.4	87.9	95.4
80°	93.5	91.6	83.4	74.6	77.0
82.5°	70.6	71.9	65.5	61.0	58.1
85°	47.1	51.4	46.3	42.3	37.8
87.5°	23.7	28.8	24.5	21.8	19.4
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	16.9	18.7	17.3	19.0	19.3	13.5	15.2	13.8	15.5	15.8
	3H	18.2	19.8	18.6	20.1	20.5	14.8	16.3	15.1	16.7	17.0
	4H	18.6	20.0	19.0	20.4	20.8	15.3	16.8	15.7	17.2	17.5
	6H	18.9	20.2	19.3	20.6	21.0	15.9	17.2	16.3	17.6	18.0
	8H	19.0	20.3	19.4	20.7	21.1	16.1	17.4	16.5	17.8	18.2
	12H	19.1	20.4	19.5	20.7	21.2	16.3	17.5	16.7	17.9	18.3
4H	2H	17.1	18.6	17.5	18.9	19.3	14.1	15.6	14.5	16.0	16.3
	3H	18.6	19.8	19.0	20.2	20.6	15.6	16.8	16.0	17.2	17.6
	4H	19.0	20.1	19.5	20.6	21.0	16.3	17.4	16.7	17.8	18.2
	6H	19.5	20.5	19.9	20.9	21.4	16.9	17.9	17.4	18.4	18.8
	8H	19.7	20.6	20.1	21.0	21.5	17.2	18.2	17.7	18.6	19.1
	12H	19.9	20.7	20.3	21.2	21.6	17.5	18.3	18.0	18.8	19.3
8H	4H	19.1	20.0	19.6	20.5	21.0	16.6	17.5	17.1	18.0	18.4
	6H	19.7	20.5	20.2	21.0	21.4	17.4	18.2	17.9	18.7	19.2
	8H	20.0	20.7	20.5	21.2	21.7	17.9	18.5	18.4	19.0	19.5
	12H	20.3	20.9	20.8	21.4	22.0	18.2	18.8	18.7	19.3	19.9
12H	4H	19.2	20.0	19.6	20.4	20.9	16.7	17.5	17.2	18.0	18.4
	6H	19.8	20.5	20.3	20.9	21.5	17.6	18.3	18.1	18.7	19.3
	8H	20.1	20.7	20.6	21.2	21.8	18.1	18.7	18.6	19.2	19.7















(END OF REPORT)