

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: P1584084

Luminaire Tested: 14CGSB-25-A125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584084
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-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

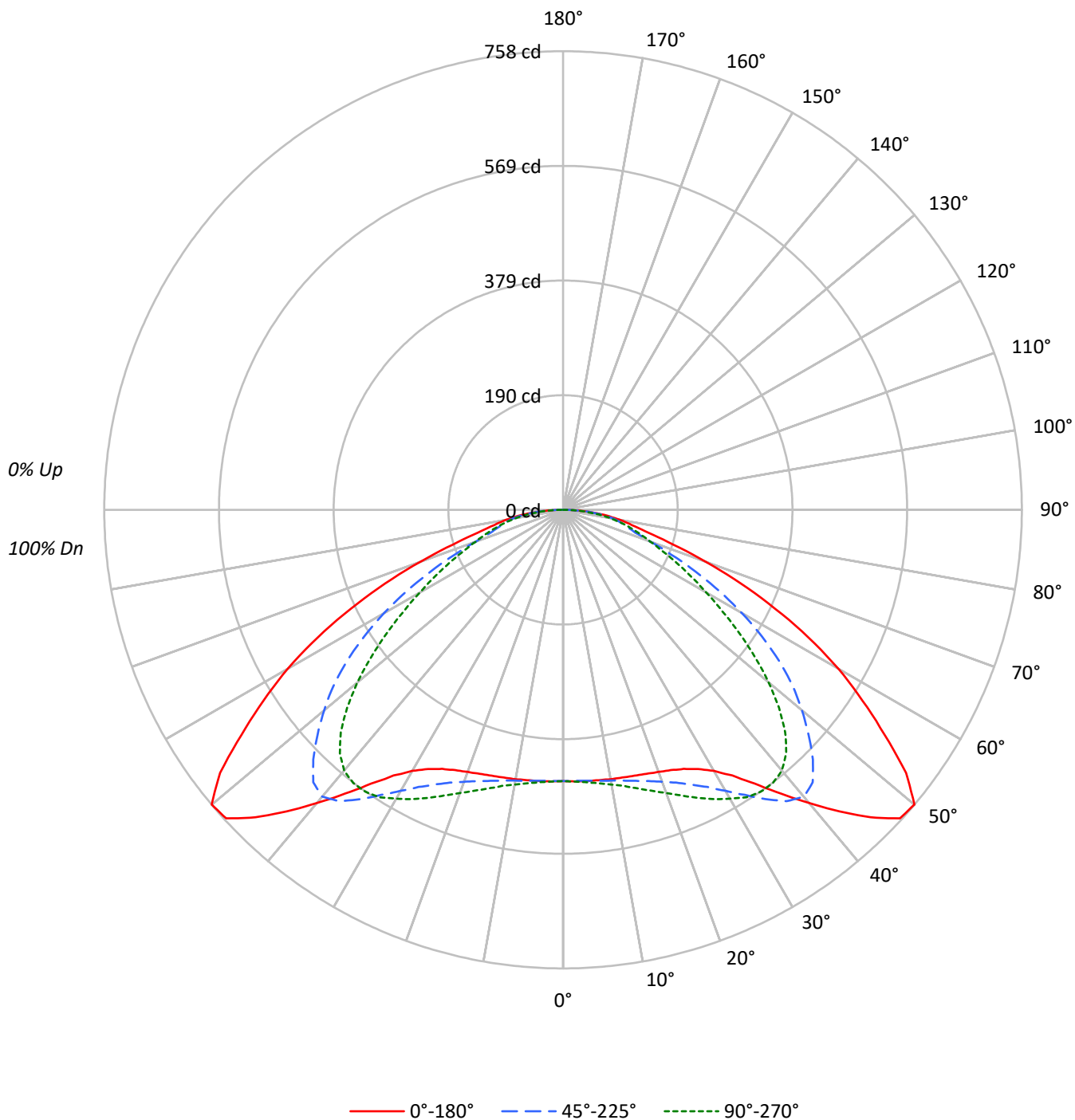
Lumens per Lamp: N/A
Luminaire Lumens: 2100.3 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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
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	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°	1207	1207	1207
5°	1216	1214	1221
10°	1235	1242	1260
15°	1268	1292	1328
20°	1320	1369	1426
25°	1403	1487	1559
30°	1548	1666	1713
35°	1815	1918	1869
40°	2221	2174	1976
45°	2735	2221	1975
50°	3172	2157	1856
55°	3043	2045	1669
60°	2828	1835	1469
65°	2463	1537	1317
70°	1970	1209	1209
75°	1512	1146	1200
80°	1483	1323	1221
85°	1491	1467	1195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 3172 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	2.1
10°-20°	132.4	6.3
20°-30°	233.0	11.1
30°-40°	360.9	17.2
40°-50°	459.8	21.9
50°-60°	418.3	19.9
60°-70°	271.3	12.9
70°-80°	132.0	6.3
80°-90°	49.4	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°	408.5	19.5
0°-40°	769.5	36.6
0°-60°	1647.6	78.4
0°-90°	2100.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2100.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	450	451	450	450	452	43
15°	455	458	464	472	477	129
25°	472	482	501	518	525	220
35°	552	576	584	574	569	352
45°	719	675	584	533	519	552
55°	649	569	436	376	356	579
65°	387	343	241	209	207	383
75°	145	133	110	105	115	165
85°	48	53	48	43	39	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	448.4	448.4	448.4	448.4	448.4
2.5°	449.3	449.8	448.4	448.7	449.5
5°	450.1	450.6	449.5	450.3	452.0
7.5°	450.6	451.7	451.7	453.6	455.8
10°	452.0	453.1	454.4	458.3	461.0
12.5°	453.1	455.0	458.3	464.5	467.5
15°	455.0	458.0	463.7	472.4	476.8
17.5°	457.4	461.8	470.0	481.4	486.6
20°	461.0	466.7	478.2	491.8	498.1
22.5°	465.6	473.3	488.0	504.1	510.9
25°	472.4	482.3	500.8	518.5	525.1
27.5°	482.8	495.1	516.4	534.1	539.0
30°	498.1	513.4	536.3	548.5	551.3
32.5°	520.7	540.4	558.6	562.7	563.3
35°	552.4	576.4	583.7	574.2	569.0
37.5°	591.1	617.8	606.9	578.5	569.3
40°	632.3	654.1	618.9	575.0	562.5
42.5°	675.9	674.8	610.7	559.5	545.8
45°	718.7	674.6	583.7	532.7	519.1
47.5°	754.8	654.1	550.2	499.7	483.6
50°	757.8	627.4	515.3	459.6	443.3
52.5°	714.1	600.9	478.4	418.2	399.3
55°	648.6	569.0	435.9	375.6	355.7
57.5°	586.7	527.3	389.5	331.7	312.0
60°	525.4	473.5	341.0	289.1	273.0
62.5°	457.4	411.1	291.3	246.9	238.4
65°	386.8	342.6	241.4	209.2	206.8
67.5°	318.3	277.7	193.7	173.8	176.8
70°	250.4	219.3	153.6	148.9	153.6
72.5°	190.4	172.9	124.9	126.0	133.7
75°	145.4	133.1	110.2	105.0	115.4
77.5°	116.5	108.6	97.7	90.0	97.7
80°	95.7	93.8	85.4	76.4	78.8
82.5°	72.3	73.6	67.1	62.5	59.5
85°	48.3	52.6	47.5	43.4	38.7
87.5°	24.3	29.5	25.1	22.4	19.9
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	17.0	18.7	17.4	19.1	19.4	13.6	15.3	13.9	15.6	15.9
	3H	18.3	19.9	18.7	20.2	20.5	14.8	16.4	15.2	16.7	17.1
	4H	18.6	20.1	19.0	20.5	20.8	15.4	16.9	15.8	17.2	17.6
	6H	18.9	20.3	19.4	20.7	21.1	16.0	17.3	16.4	17.7	18.1
	8H	19.1	20.4	19.5	20.8	21.2	16.2	17.5	16.6	17.9	18.3
	12H	19.2	20.4	19.6	20.8	21.2	16.4	17.6	16.8	18.0	18.4
4H	2H	17.2	18.6	17.6	19.0	19.4	14.2	15.7	14.6	16.0	16.4
	3H	18.6	19.9	19.0	20.3	20.7	15.7	16.9	16.1	17.3	17.7
	4H	19.1	20.2	19.5	20.6	21.1	16.3	17.5	16.8	17.9	18.3
	6H	19.6	20.5	20.0	21.0	21.4	17.0	18.0	17.5	18.4	18.9
	8H	19.8	20.7	20.2	21.1	21.6	17.3	18.2	17.8	18.7	19.1
	12H	19.9	20.8	20.4	21.2	21.7	17.6	18.4	18.1	18.9	19.3
8H	4H	19.2	20.1	19.7	20.6	21.0	16.7	17.6	17.1	18.0	18.5
	6H	19.8	20.6	20.3	21.0	21.5	17.5	18.3	18.0	18.8	19.3
	8H	20.1	20.8	20.6	21.3	21.8	17.9	18.6	18.4	19.1	19.6
	12H	20.4	21.0	20.9	21.5	22.0	18.3	18.9	18.8	19.4	20.0
12H	4H	19.2	20.1	19.7	20.5	21.0	16.8	17.6	17.2	18.1	18.5
	6H	19.8	20.5	20.4	21.0	21.5	17.7	18.4	18.2	18.8	19.4
	8H	20.2	20.8	20.7	21.3	21.9	18.1	18.7	18.6	19.2	19.8















(END OF REPORT)