

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: P1584141

Luminaire Tested: 14CGSB-70-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584141
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-70-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

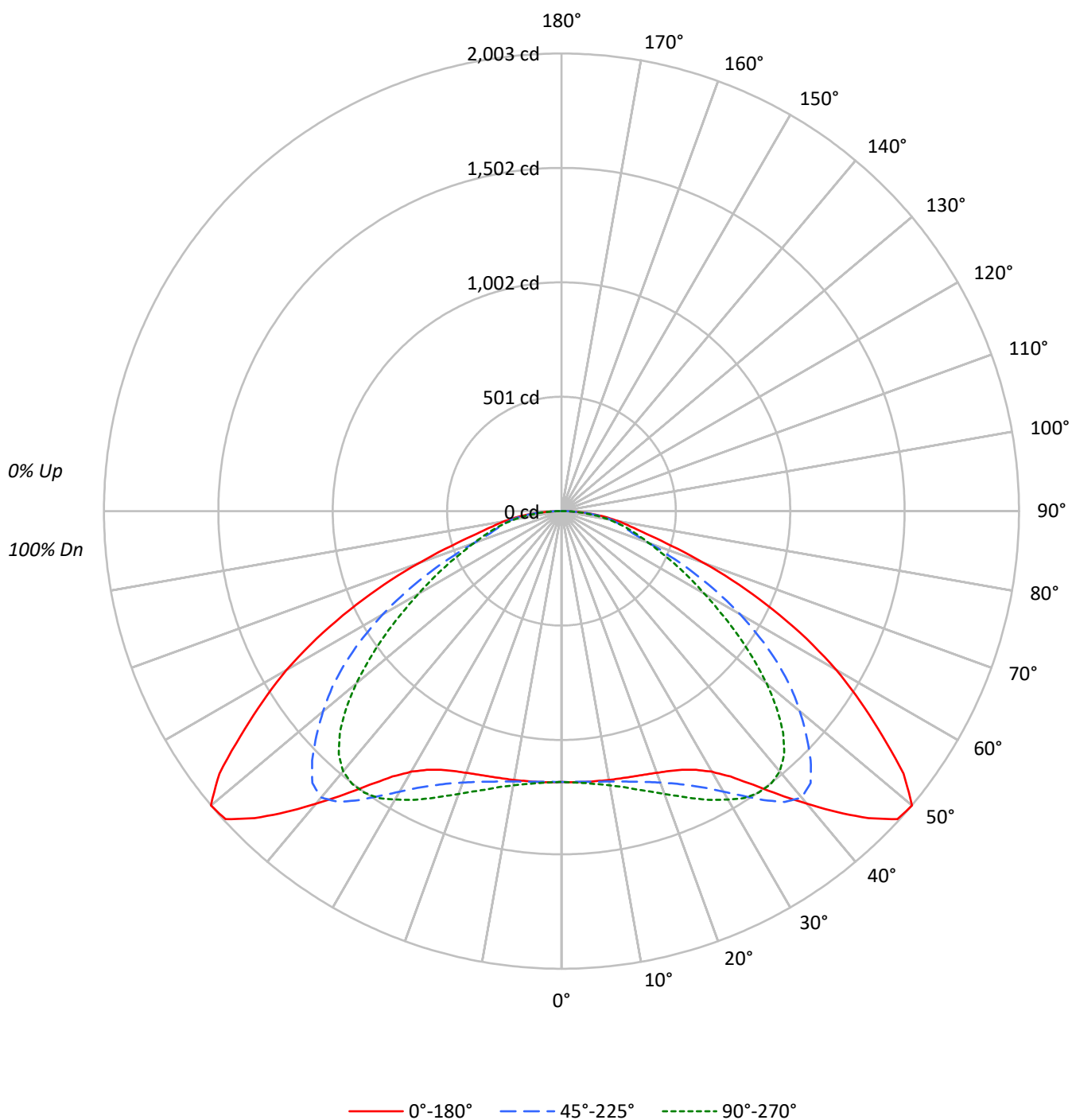
Lumens per Lamp: N/A
Luminaire Lumens: 5552.4 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 74.8
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			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°	3190	3190	3190
5°	3214	3210	3228
10°	3265	3283	3330
15°	3351	3415	3512
20°	3490	3620	3771
25°	3708	3931	4122
30°	4092	4405	4529
35°	4797	5070	4941
40°	5872	5748	5223
45°	7231	5873	5222
50°	8387	5703	4906
55°	8045	5406	4411
60°	7475	4851	3885
65°	6511	4064	3480
70°	5209	3194	3194
75°	3997	3029	3171
80°	3922	3498	3230
85°	3940	3875	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8387 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	2.1
10°-20°	350.0	6.3
20°-30°	616.0	11.1
30°-40°	954.2	17.2
40°-50°	1215.6	21.9
50°-60°	1105.9	19.9
60°-70°	717.2	12.9
70°-80°	348.9	6.3
80°-90°	130.7	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°	1080.0	19.5
0°-40°	2034.2	36.6
0°-60°	4355.7	78.4
0°-90°	5552.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5552.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1186	1186	1186	1186	1186	
5°	1190	1191	1188	1191	1195	114
15°	1203	1211	1226	1249	1260	342
25°	1249	1275	1324	1371	1388	583
35°	1460	1524	1543	1518	1504	930
45°	1900	1783	1543	1408	1372	1460
55°	1715	1504	1152	993	940	1531
65°	1022	906	638	553	547	1013
75°	384	352	291	278	305	436
85°	128	139	126	115	102	139
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1185.5	1185.5	1185.5	1185.5	1185.5
2.5°	1187.7	1189.1	1185.5	1186.2	1188.4
5°	1189.8	1191.3	1188.4	1190.6	1194.9
7.5°	1191.3	1194.2	1194.2	1199.2	1205.0
10°	1194.9	1197.8	1201.4	1211.5	1218.7
12.5°	1197.8	1202.8	1211.5	1228.1	1236.0
15°	1202.8	1210.8	1225.9	1249.0	1260.5
17.5°	1209.3	1220.9	1242.5	1272.8	1286.5
20°	1218.7	1233.8	1264.1	1300.2	1316.8
22.5°	1230.9	1251.1	1290.1	1332.6	1350.7
25°	1249.0	1274.9	1324.0	1370.8	1388.1
27.5°	1276.4	1308.8	1365.1	1411.9	1424.9
30°	1316.8	1357.1	1417.7	1450.2	1457.4
32.5°	1376.6	1428.5	1476.8	1487.7	1489.1
35°	1460.3	1523.7	1543.2	1518.0	1504.2
37.5°	1562.7	1633.3	1604.5	1529.5	1505.0
40°	1671.5	1729.2	1636.2	1520.1	1486.9
42.5°	1786.9	1784.0	1614.6	1479.0	1443.0
45°	1900.1	1783.3	1543.2	1408.3	1372.3
47.5°	1995.3	1729.2	1454.5	1321.1	1278.5
50°	2003.3	1658.6	1362.2	1215.1	1171.8
52.5°	1887.9	1588.6	1264.8	1105.5	1055.7
55°	1714.8	1504.2	1152.3	993.0	940.3
57.5°	1551.1	1393.9	1029.8	876.9	825.0
60°	1388.9	1251.9	901.4	764.4	721.8
62.5°	1209.3	1086.7	770.2	652.6	630.3
65°	1022.5	905.7	638.2	553.1	546.6
67.5°	841.5	734.1	512.0	459.4	467.3
70°	662.0	579.8	406.0	393.7	406.0
72.5°	503.3	457.2	330.3	333.2	353.3
75°	384.4	351.9	291.3	277.6	305.0
77.5°	307.9	287.0	258.2	238.0	258.2
80°	253.1	248.1	225.7	201.9	208.4
82.5°	191.1	194.7	177.4	165.1	157.2
85°	127.6	139.2	125.5	114.7	102.4
87.5°	64.2	77.9	66.3	59.1	52.6
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	20.4	22.1	20.8	22.4	22.7	16.9	18.7	17.3	19.0	19.3
	3H	21.7	23.2	22.0	23.6	23.9	18.2	19.8	18.6	20.1	20.5
	4H	22.0	23.5	22.4	23.8	24.2	18.8	20.3	19.2	20.6	21.0
	6H	22.3	23.7	22.7	24.1	24.4	19.3	20.7	19.7	21.1	21.5
	8H	22.5	23.8	22.9	24.2	24.5	19.6	20.9	20.0	21.3	21.7
	12H	22.6	23.8	23.0	24.2	24.6	19.7	21.0	20.2	21.4	21.8
4H	2H	20.6	22.0	20.9	22.4	22.7	17.6	19.1	18.0	19.4	19.8
	3H	22.0	23.2	22.4	23.6	24.0	19.1	20.3	19.5	20.7	21.1
	4H	22.5	23.6	22.9	24.0	24.4	19.7	20.8	20.2	21.2	21.7
	6H	22.9	23.9	23.4	24.4	24.8	20.4	21.4	20.9	21.8	22.3
	8H	23.1	24.1	23.6	24.5	25.0	20.7	21.6	21.2	22.1	22.5
	12H	23.3	24.2	23.8	24.6	25.1	21.0	21.8	21.4	22.3	22.7
8H	4H	22.6	23.5	23.1	24.0	24.4	20.1	21.0	20.5	21.4	21.9
	6H	23.2	23.9	23.7	24.4	24.9	20.9	21.7	21.4	22.2	22.6
	8H	23.5	24.2	24.0	24.7	25.1	21.3	22.0	21.8	22.5	23.0
	12H	23.8	24.4	24.3	24.9	25.4	21.7	22.3	22.2	22.8	23.3
12H	4H	22.6	23.4	23.1	23.9	24.4	20.1	21.0	20.6	21.4	21.9
	6H	23.2	23.9	23.7	24.4	24.9	21.0	21.7	21.6	22.2	22.7
	8H	23.6	24.2	24.1	24.7	25.2	21.5	22.1	22.0	22.6	23.2













(END OF REPORT)