

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: P1584124

Luminaire Tested: 14CGSB-55-A125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584124
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-55-A125-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

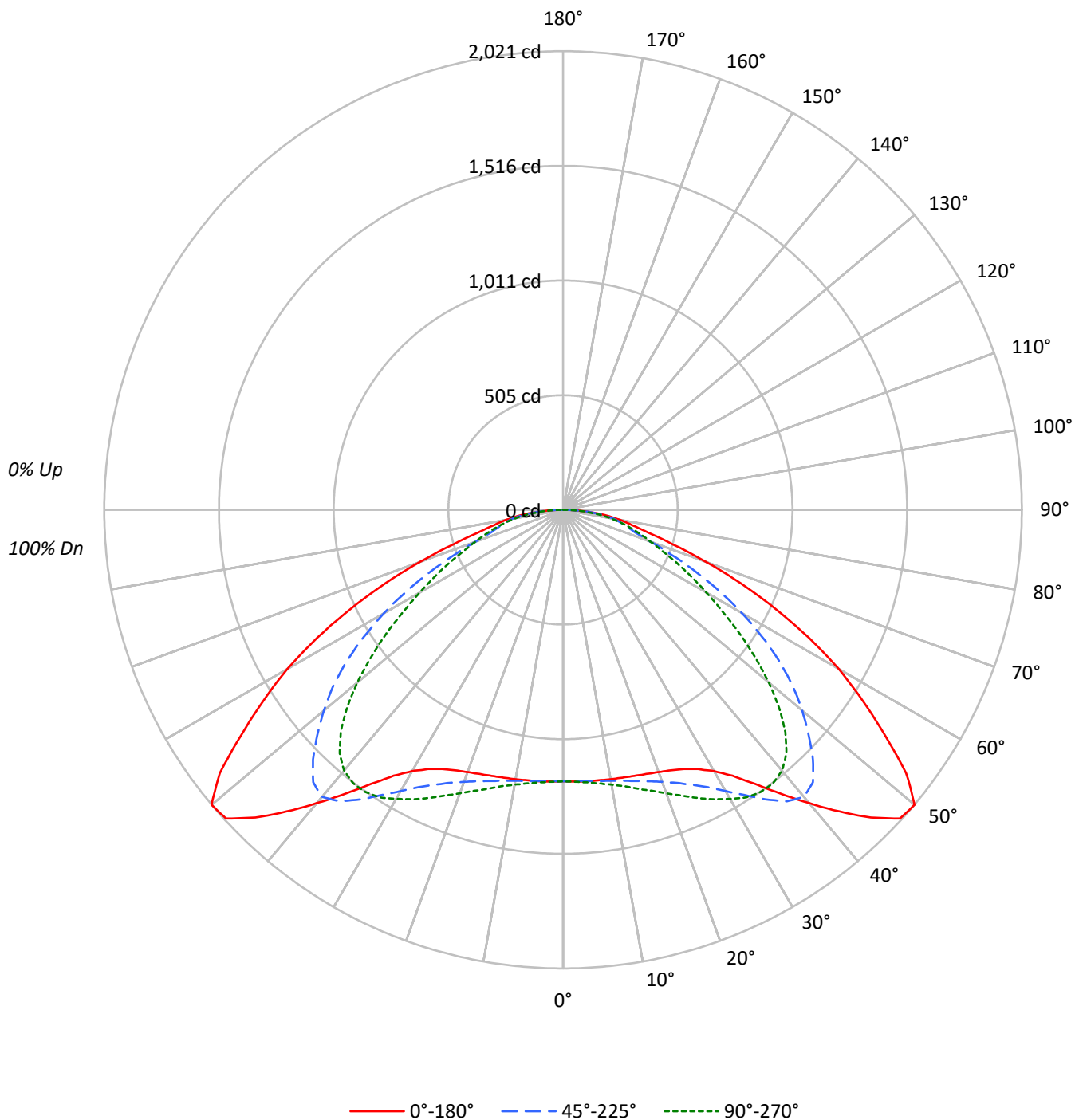
Lumens per Lamp: N/A
Luminaire Lumens: 5602.8 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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°	3219	3219	3219
5°	3243	3239	3257
10°	3295	3313	3360
15°	3381	3446	3544
20°	3521	3653	3805
25°	3742	3967	4159
30°	4129	4445	4570
35°	4841	5116	4986
40°	5925	5800	5271
45°	7297	5926	5270
50°	8462	5755	4950
55°	8118	5455	4452
60°	7543	4895	3920
65°	6570	4101	3512
70°	5256	3223	3223
75°	4032	3057	3200
80°	3958	3530	3259
85°	3977	3909	3189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8462 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	2.1
10°-20°	353.1	6.3
20°-30°	621.6	11.1
30°-40°	962.8	17.2
40°-50°	1226.6	21.9
50°-60°	1116.0	19.9
60°-70°	723.7	12.9
70°-80°	352.0	6.3
80°-90°	131.9	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°	1089.8	19.5
0°-40°	2052.6	36.6
0°-60°	4395.2	78.4
0°-90°	5602.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5602.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1196	1196	1196	1196	1196	
5°	1201	1202	1199	1201	1206	115
15°	1214	1222	1237	1260	1272	345
25°	1260	1286	1336	1383	1401	588
35°	1474	1538	1557	1532	1518	938
45°	1917	1800	1557	1421	1385	1473
55°	1730	1518	1163	1002	949	1545
65°	1032	914	644	558	552	1022
75°	388	355	294	280	308	440
85°	129	140	127	116	103	140
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1196.3	1196.3	1196.3	1196.3	1196.3
2.5°	1198.5	1199.9	1196.3	1197.0	1199.2
5°	1200.6	1202.1	1199.2	1201.4	1205.7
7.5°	1202.1	1205.0	1205.0	1210.1	1215.9
10°	1205.7	1208.6	1212.3	1222.5	1229.7
12.5°	1208.6	1213.7	1222.5	1239.2	1247.2
15°	1213.7	1221.7	1237.0	1260.3	1272.0
17.5°	1220.3	1231.9	1253.8	1284.3	1298.1
20°	1229.7	1245.0	1275.6	1312.0	1328.7
22.5°	1242.1	1262.5	1301.8	1344.7	1362.9
25°	1260.3	1286.5	1336.0	1383.3	1400.7
27.5°	1288.0	1320.7	1377.5	1424.8	1437.9
30°	1328.7	1369.5	1430.6	1463.3	1470.6
32.5°	1389.1	1441.5	1490.2	1501.2	1502.6
35°	1473.5	1537.5	1557.2	1531.7	1517.9
37.5°	1576.8	1648.2	1619.0	1543.4	1518.6
40°	1686.7	1744.9	1651.1	1533.9	1500.4
42.5°	1803.1	1800.2	1629.2	1492.4	1456.0
45°	1917.4	1799.5	1557.2	1421.1	1384.7
47.5°	2013.4	1744.9	1467.7	1333.1	1290.1
50°	2021.4	1673.6	1374.6	1226.1	1182.4
52.5°	1905.0	1603.0	1276.3	1115.5	1065.3
55°	1730.4	1517.9	1162.8	1002.0	948.9
57.5°	1565.2	1406.6	1039.1	884.8	832.4
60°	1401.5	1263.2	909.6	771.3	728.4
62.5°	1220.3	1096.6	777.1	658.5	636.0
65°	1031.8	913.9	644.0	558.1	551.6
67.5°	849.2	740.8	516.6	463.5	471.5
70°	668.0	585.0	409.7	397.3	409.7
72.5°	507.9	461.3	333.3	336.2	356.6
75°	387.8	355.1	294.0	280.1	307.8
77.5°	310.7	289.6	260.5	240.1	260.5
80°	255.4	250.3	227.8	203.7	210.3
82.5°	192.8	196.5	179.0	166.6	158.6
85°	128.8	140.4	126.6	115.7	103.3
87.5°	64.8	78.6	66.9	59.7	53.1
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	22.5	22.8	17.0	18.7	17.3	19.0	19.3
	3H	21.7	23.3	22.1	23.6	23.9	18.3	19.8	18.6	20.1	20.5
	4H	22.1	23.5	22.5	23.9	24.3	18.8	20.3	19.2	20.6	21.0
	6H	22.4	23.7	22.8	24.1	24.5	19.4	20.7	19.8	21.1	21.5
	8H	22.5	23.8	22.9	24.2	24.6	19.6	20.9	20.0	21.3	21.7
	12H	22.6	23.8	23.0	24.2	24.7	19.8	21.0	20.2	21.4	21.8
4H	2H	20.6	22.1	21.0	22.4	22.8	17.6	19.1	18.0	19.5	19.8
	3H	22.0	23.3	22.5	23.7	24.1	19.1	20.3	19.5	20.7	21.1
	4H	22.5	23.6	23.0	24.0	24.5	19.8	20.9	20.2	21.3	21.7
	6H	23.0	24.0	23.4	24.4	24.8	20.4	21.4	20.9	21.9	22.3
	8H	23.2	24.1	23.6	24.5	25.0	20.7	21.7	21.2	22.1	22.6
	12H	23.4	24.2	23.8	24.7	25.1	21.0	21.8	21.5	22.3	22.8
8H	4H	22.6	23.5	23.1	24.0	24.4	20.1	21.0	20.6	21.5	21.9
	6H	23.2	24.0	23.7	24.5	24.9	20.9	21.7	21.4	22.2	22.7
	8H	23.5	24.2	24.0	24.7	25.2	21.3	22.0	21.9	22.5	23.0
	12H	23.8	24.4	24.3	24.9	25.4	21.7	22.3	22.2	22.8	23.4
12H	4H	22.6	23.5	23.1	23.9	24.4	20.2	21.0	20.6	21.5	21.9
	6H	23.3	23.9	23.8	24.4	24.9	21.1	21.8	21.6	22.2	22.8
	8H	23.6	24.2	24.1	24.7	25.3	21.5	22.2	22.0	22.6	23.2













(END OF REPORT)