

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: P1526843

Luminaire Tested: 22CGTX-60HE-A125-L930

Issue Date: 8/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-60HE-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

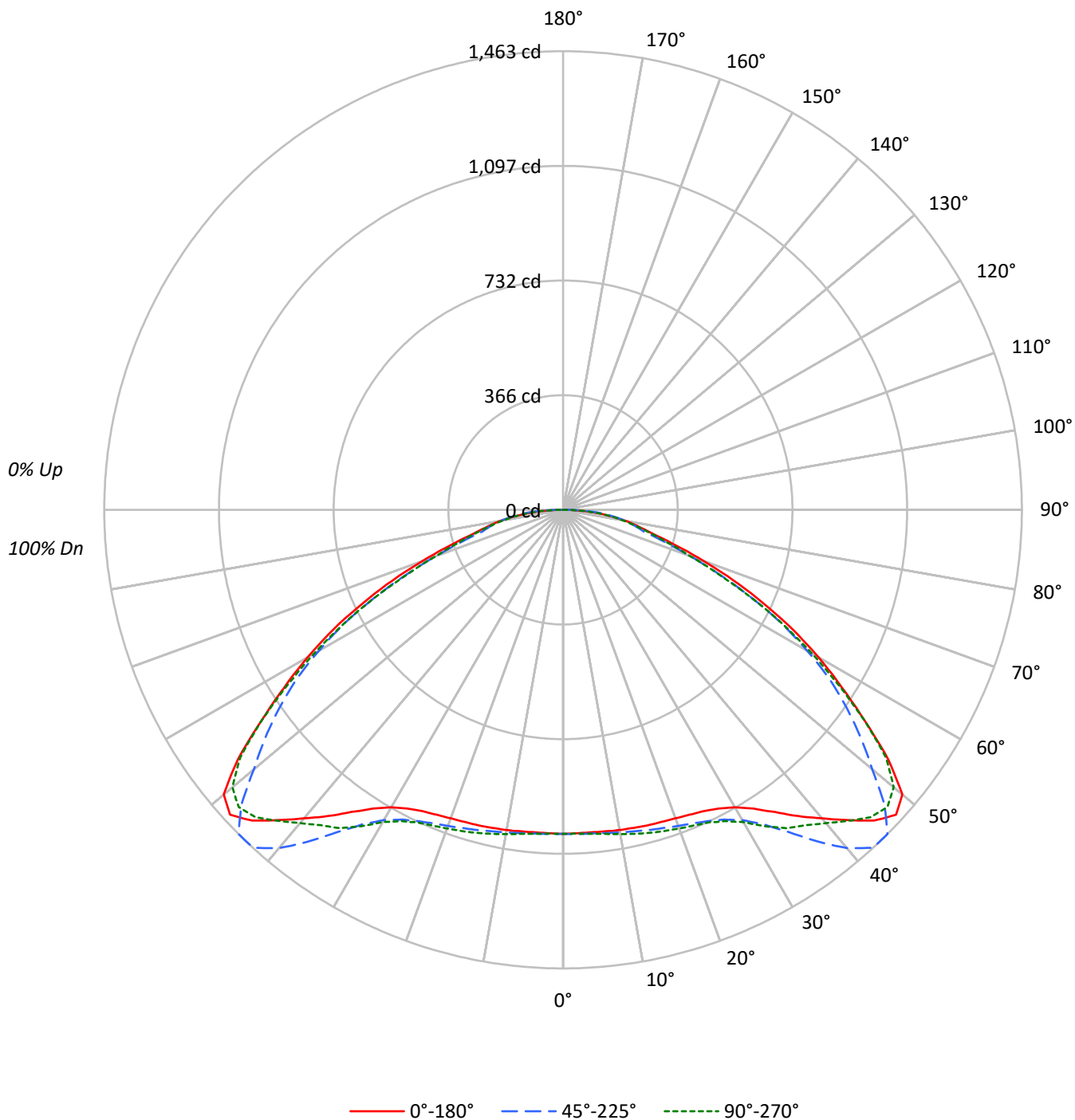
Lumens per Lamp: N/A
Luminaire Lumens: 4890.1 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 47.4
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	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84		82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69		67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57		55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48		46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41		38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35		33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30		28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26		24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23		21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21		19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2781	2781	2781
5°	2789	2799	2802
10°	2834	2854	2870
15°	2903	2946	2972
20°	2999	3074	3097
25°	3148	3252	3266
30°	3404	3550	3573
35°	3866	4120	4072
40°	4513	4948	4581
45°	5336	5568	5276
50°	5912	5386	5761
55°	5512	5187	5508
60°	5061	4842	4931
65°	4476	4223	4217
70°	3750	3379	3386
75°	3083	2766	2987
80°	3135	3121	2991
85°	3081	3708	3137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 5912 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	2.0
10°-20°	299.7	6.1
20°-30°	506.7	10.4
30°-40°	779.2	15.9
40°-50°	1082.9	22.1
50°-60°	1019.3	20.8
60°-70°	673.2	13.8
70°-80°	312.8	6.4
80°-90°	117.1	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°	905.6	18.5
0°-40°	1684.8	34.5
0°-60°	3787.0	77.4
0°-90°	4890.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4890.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1034	1034	1034	1034	1034	
5°	1033	1035	1036	1038	1037	99
15°	1042	1046	1058	1065	1067	295
25°	1060	1074	1095	1102	1100	493
35°	1177	1218	1254	1250	1240	745
45°	1402	1452	1463	1428	1386	1073
55°	1175	1158	1106	1144	1174	1053
65°	703	696	663	673	662	698
75°	296	285	266	274	287	332
85°	100	114	120	116	102	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1033.6	1033.6	1033.6	1033.6	1033.6
2.5°	1032.6	1034.5	1035.4	1036.3	1033.6
5°	1032.6	1035.4	1036.3	1038.2	1037.3
7.5°	1034.5	1037.3	1040.0	1041.9	1042.8
10°	1037.3	1040.0	1044.6	1050.2	1050.2
12.5°	1039.1	1043.7	1050.2	1057.6	1058.5
15°	1041.9	1046.5	1057.6	1065.0	1066.8
17.5°	1043.7	1051.1	1064.0	1073.3	1074.2
20°	1047.4	1055.7	1073.3	1081.6	1081.6
22.5°	1053.0	1064.0	1082.5	1089.9	1089.9
25°	1060.3	1074.2	1095.4	1101.9	1100.1
27.5°	1074.2	1090.8	1113.9	1121.3	1119.5
30°	1095.4	1117.6	1142.5	1151.8	1149.9
32.5°	1129.6	1157.3	1188.7	1197.0	1196.1
35°	1176.7	1218.3	1254.3	1249.7	1239.5
37.5°	1231.2	1293.1	1333.7	1290.3	1268.2
40°	1284.8	1368.8	1408.6	1338.4	1304.2
42.5°	1342.1	1428.0	1462.1	1393.8	1345.8
45°	1402.1	1452.0	1463.1	1428.0	1386.4
47.5°	1440.0	1414.1	1390.1	1411.3	1403.0
50°	1412.3	1325.4	1286.6	1327.3	1376.2
52.5°	1307.0	1243.2	1198.0	1235.8	1297.7
55°	1174.9	1158.3	1105.6	1143.5	1174.0
57.5°	1053.9	1066.8	1009.5	1038.2	1042.8
60°	940.3	949.5	899.6	923.6	916.3
62.5°	824.8	825.7	786.9	800.8	789.7
65°	702.9	696.4	663.2	673.3	662.3
67.5°	588.4	573.6	542.2	546.8	536.6
70°	476.6	459.1	429.5	436.0	430.4
72.5°	376.8	363.0	337.1	345.4	351.0
75°	296.5	285.4	266.0	274.3	287.3
77.5°	245.7	231.8	233.7	228.1	237.4
80°	202.3	194.0	201.4	195.8	193.0
82.5°	150.6	158.9	161.6	164.4	150.6
85°	99.8	114.5	120.1	116.4	101.6
87.5°	49.0	61.9	63.7	62.8	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	18.8	20.5	19.1	20.8	21.2	18.6	20.4	19.0	20.7	21.0
	3H	20.1	21.6	20.4	22.0	22.3	19.8	21.4	20.2	21.7	22.0
	4H	20.4	21.9	20.8	22.3	22.7	20.2	21.7	20.6	22.0	22.4
	6H	20.8	22.2	21.2	22.5	22.9	20.5	21.9	20.9	22.3	22.7
	8H	20.9	22.3	21.4	22.7	23.0	20.7	22.0	21.1	22.4	22.8
	12H	21.1	22.3	21.5	22.7	23.1	20.8	22.1	21.2	22.5	22.9
4H	2H	19.2	20.7	19.6	21.1	21.4	19.1	20.6	19.5	20.9	21.3
	3H	20.7	21.9	21.1	22.3	22.7	20.4	21.7	20.8	22.1	22.5
	4H	21.2	22.3	21.6	22.7	23.1	20.9	22.0	21.3	22.5	22.9
	6H	21.6	22.6	22.1	23.1	23.5	21.4	22.4	21.9	22.8	23.3
	8H	21.9	22.8	22.3	23.2	23.7	21.6	22.6	22.1	23.0	23.5
	12H	22.0	22.9	22.5	23.4	23.8	21.8	22.7	22.3	23.2	23.6
8H	4H	21.3	22.3	21.8	22.7	23.2	21.1	22.1	21.6	22.5	23.0
	6H	22.0	22.7	22.4	23.2	23.7	21.8	22.5	22.2	23.0	23.5
	8H	22.3	23.0	22.8	23.5	24.0	22.1	22.8	22.6	23.3	23.8
	12H	22.6	23.2	23.1	23.7	24.2	22.4	23.0	22.9	23.5	24.1
12H	4H	21.4	22.2	21.9	22.7	23.2	21.2	22.0	21.6	22.5	22.9
	6H	22.0	22.7	22.6	23.2	23.7	21.8	22.5	22.4	23.0	23.5
	8H	22.4	23.0	22.9	23.5	24.1	22.2	22.9	22.7	23.3	23.9















(END OF REPORT)