

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: P1526907

Luminaire Tested: 24CGTX-45HE-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-45HE-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

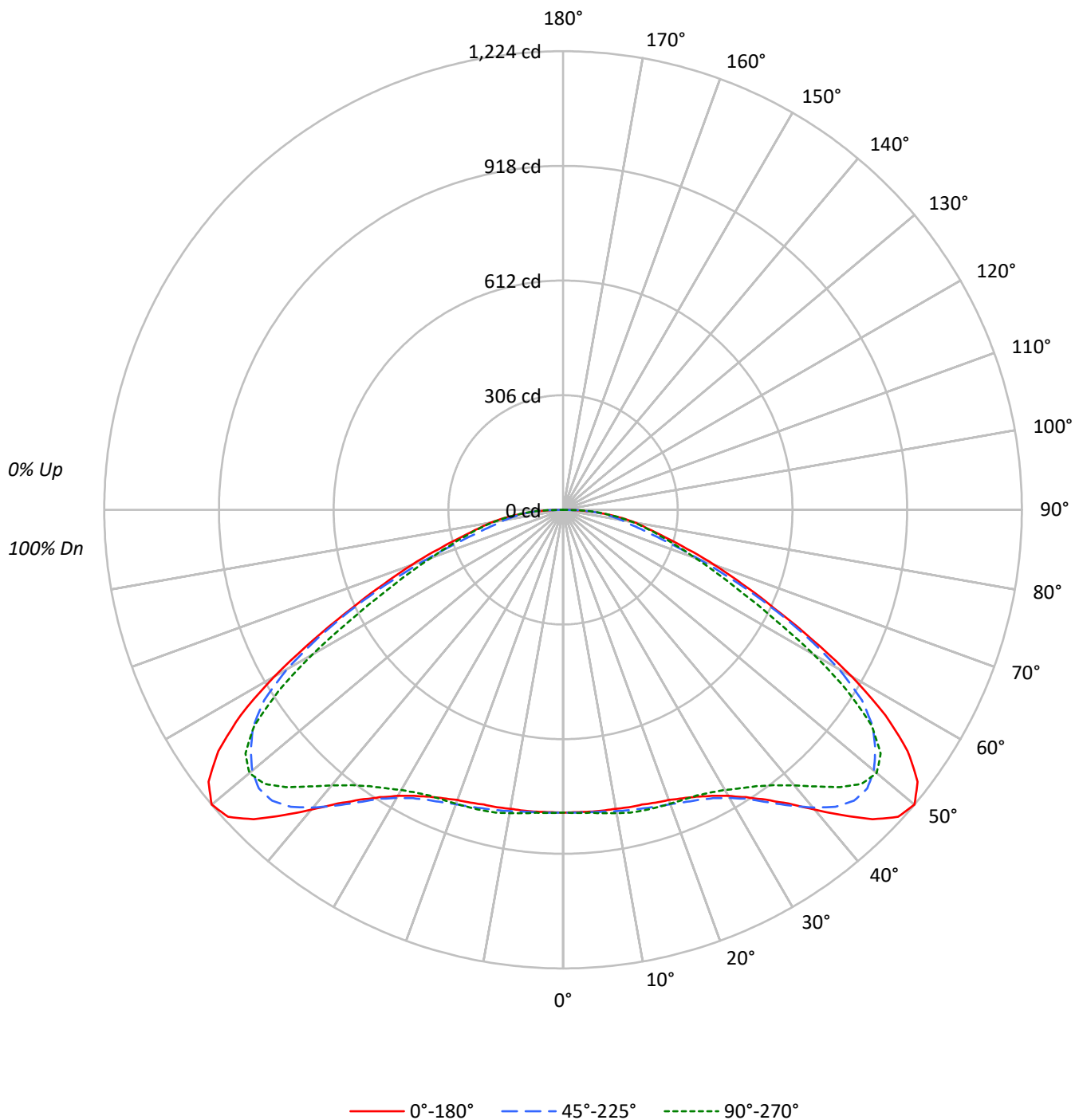
Lumens per Lamp: N/A
Luminaire Lumens: 4033.8 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 34.7
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	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	84	82
2	97	88	80	74	94	86	79	73	82	76	71		79	74	70		76	72	68	66
3	87	76	67	60	85	74	66	59	71	64	58		68	62	57		66	60	56	54
4	79	66	56	49	77	65	56	49	62	54	48		60	53	47		57	51	47	44
5	72	58	48	41	70	57	48	41	55	46	40		53	45	40		51	44	39	37
6	66	51	42	35	64	50	41	35	49	40	34		47	39	34		45	39	34	31
7	61	46	36	30	59	45	36	30	43	35	29		42	35	29		41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26		38	31	25		37	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23		35	28	22		34	27	22	20
10	48	34	26	20	47	34	26	20	33	25	20		32	25	20		31	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1087	1087	1087
5°	1092	1094	1096
10°	1107	1116	1123
15°	1134	1149	1157
20°	1180	1197	1195
25°	1254	1268	1249
30°	1369	1379	1341
35°	1551	1565	1479
40°	1834	1822	1685
45°	2222	2089	1991
50°	2561	2266	2286
55°	2633	2367	2359
60°	2393	2287	2077
65°	1979	1943	1694
70°	1690	1522	1473
75°	1463	1213	1394
80°	1516	1228	1467
85°	1531	1477	1629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2635 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.9
10°-20°	233.9	5.8
20°-30°	395.1	9.8
30°-40°	594.7	14.7
40°-50°	845.7	21.0
50°-60°	907.6	22.5
60°-70°	591.5	14.7
70°-80°	284.4	7.1
80°-90°	103.5	2.6
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°	706.5	17.5
0°-40°	1301.2	32.3
0°-60°	3054.5	75.7
0°-90°	4033.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4033.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	808	808	808	808	808	
5°	809	810	810	813	812	77
15°	814	819	825	830	830	231
25°	844	852	854	846	842	393
35°	944	962	953	920	900	599
45°	1168	1139	1098	1069	1046	896
55°	1122	1094	1009	980	1006	982
65°	622	617	610	545	532	629
75°	282	266	233	265	268	309
85°	99	93	96	98	106	108
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	808.1	808.1	808.1	808.1	808.1
2.5°	807.4	808.1	808.8	809.5	809.5
5°	808.8	809.5	810.2	813.0	811.6
7.5°	809.5	810.2	812.3	816.5	816.5
10°	810.2	812.3	816.5	820.6	822.0
12.5°	813.0	815.1	820.6	826.2	827.6
15°	814.4	818.6	824.8	829.7	830.4
17.5°	819.3	823.4	830.4	832.5	832.5
20°	824.1	829.7	836.0	836.0	834.6
22.5°	833.2	839.5	844.4	840.2	837.4
25°	844.4	852.1	854.2	846.5	841.6
27.5°	860.5	870.2	867.4	857.0	850.7
30°	881.4	894.0	887.7	872.3	863.3
32.5°	909.3	924.7	914.2	894.7	880.7
35°	944.3	962.4	952.6	920.5	900.3
37.5°	987.6	1006.4	994.6	953.3	926.1
40°	1044.1	1053.9	1037.2	992.5	959.6
42.5°	1105.6	1100.7	1074.9	1033.7	1001.5
45°	1167.8	1139.1	1097.9	1069.3	1046.2
47.5°	1212.5	1159.4	1100.7	1086.0	1081.9
50°	1223.6	1155.2	1082.6	1077.0	1092.3
52.5°	1192.2	1132.8	1049.7	1040.0	1067.9
55°	1122.4	1093.7	1009.2	979.9	1005.7
57.5°	1019.7	1017.6	945.0	892.6	899.6
60°	889.1	897.5	850.0	775.9	771.8
62.5°	748.0	752.9	731.9	655.1	640.5
65°	621.6	616.7	610.4	544.8	532.2
67.5°	517.5	502.9	493.1	453.3	447.0
70°	429.5	406.5	386.9	380.6	374.4
72.5°	347.8	331.1	299.6	317.1	316.4
75°	281.5	266.1	233.3	265.4	268.2
77.5°	230.5	220.0	188.6	217.9	227.0
80°	195.6	173.9	158.5	177.4	189.3
82.5°	149.5	132.7	129.2	136.9	148.1
85°	99.2	92.9	95.7	98.5	105.5
87.5°	50.3	53.8	58.0	62.9	66.4
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	16.7	18.5	17.1	18.8	19.1	15.8	17.6	16.1	17.9	18.2
	3H	17.8	19.4	18.2	19.7	20.1	16.9	18.5	17.3	18.9	19.2
	4H	18.2	19.7	18.6	20.1	20.4	17.4	18.9	17.8	19.2	19.6
	6H	18.5	20.0	18.9	20.3	20.7	17.8	19.2	18.2	19.6	20.0
	8H	18.7	20.1	19.1	20.4	20.8	18.0	19.4	18.4	19.8	20.2
	12H	18.8	20.1	19.3	20.5	20.9	18.2	19.5	18.6	19.9	20.3
4H	2H	17.1	18.6	17.5	19.0	19.3	16.3	17.9	16.7	18.2	18.6
	3H	18.4	19.7	18.8	20.1	20.5	17.7	18.9	18.1	19.3	19.7
	4H	18.9	20.0	19.3	20.5	20.9	18.2	19.4	18.7	19.8	20.2
	6H	19.4	20.4	19.8	20.8	21.3	18.8	19.8	19.3	20.3	20.7
	8H	19.6	20.5	20.0	21.0	21.4	19.1	20.0	19.5	20.5	20.9
	12H	19.8	20.7	20.3	21.1	21.6	19.3	20.2	19.8	20.7	21.1
8H	4H	19.0	20.0	19.5	20.4	20.9	18.4	19.4	18.9	19.8	20.3
	6H	19.6	20.4	20.1	20.9	21.4	19.2	20.0	19.6	20.4	20.9
	8H	19.9	20.7	20.4	21.2	21.6	19.5	20.2	20.0	20.7	21.2
	12H	20.2	20.9	20.7	21.4	21.9	19.9	20.5	20.4	21.0	21.5
12H	4H	19.1	19.9	19.5	20.4	20.9	18.5	19.3	19.0	19.8	20.3
	6H	19.7	20.4	20.2	20.9	21.4	19.2	20.0	19.7	20.4	20.9
	8H	20.0	20.7	20.5	21.2	21.7	19.6	20.3	20.1	20.8	21.3















(END OF REPORT)