

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: P1526906

Luminaire Tested: 24CGTX-45HE-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1526906
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

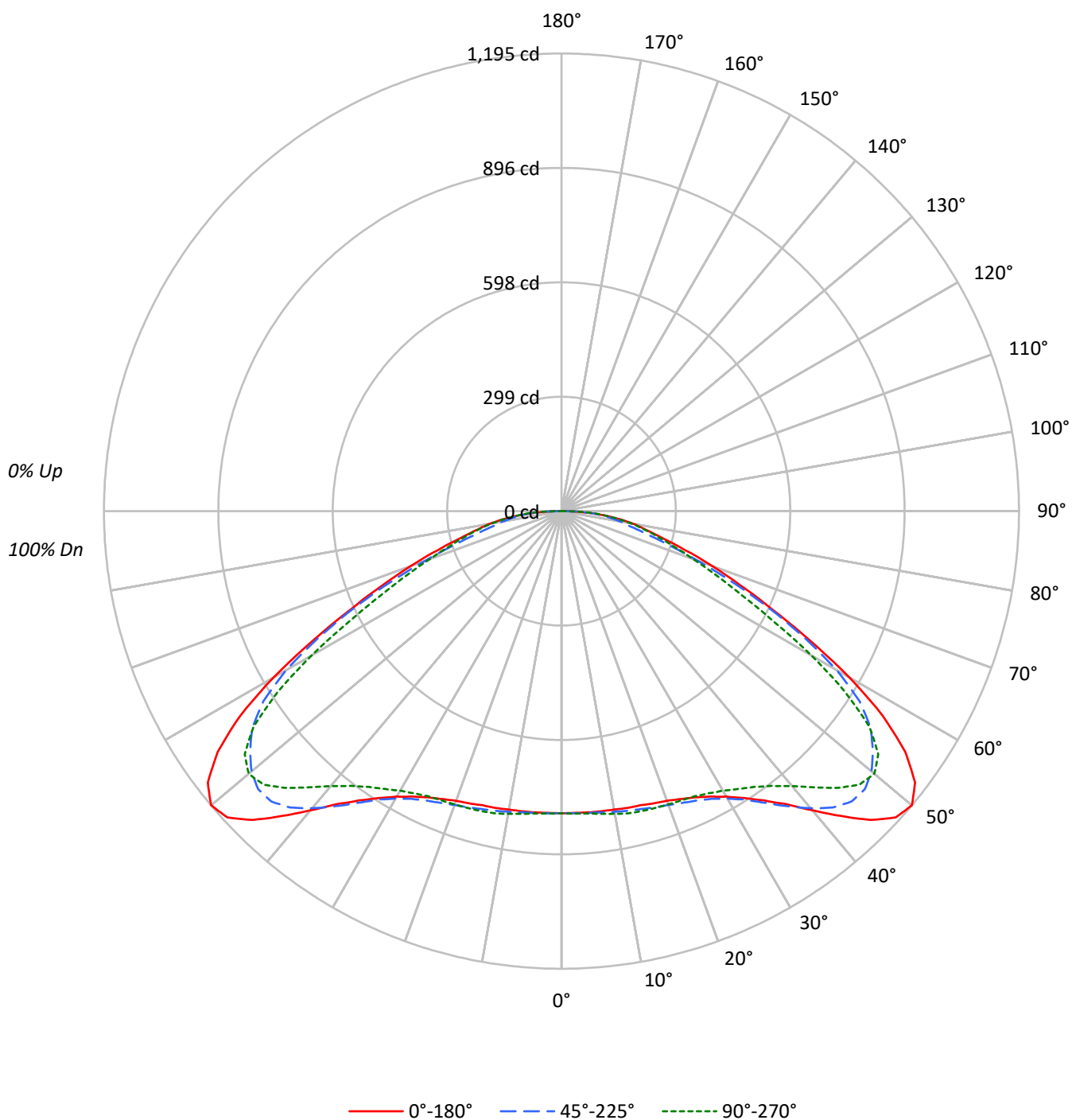
Lumens per Lamp: N/A
Luminaire Lumens: 3938.9 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1062	1062	1062
5°	1067	1068	1070
10°	1081	1089	1097
15°	1108	1122	1130
20°	1152	1169	1167
25°	1224	1238	1220
30°	1337	1347	1310
35°	1515	1528	1444
40°	1791	1779	1646
45°	2170	2040	1944
50°	2501	2213	2233
55°	2571	2312	2304
60°	2336	2234	2028
65°	1933	1898	1655
70°	1650	1486	1438
75°	1429	1184	1362
80°	1480	1199	1432
85°	1494	1442	1590

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2573 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	1.9
10°-20°	228.4	5.8
20°-30°	385.8	9.8
30°-40°	580.7	14.7
40°-50°	825.8	21.0
50°-60°	886.2	22.5
60°-70°	577.6	14.7
70°-80°	277.7	7.0
80°-90°	101.1	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°	689.9	17.5
0°-40°	1270.6	32.3
0°-60°	2982.6	75.7
0°-90°	3938.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3938.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	789	789	789	789	789	
5°	790	790	791	794	792	75
15°	795	799	805	810	811	226
25°	824	832	834	827	822	384
35°	922	940	930	899	879	585
45°	1140	1112	1072	1044	1022	875
55°	1096	1068	986	957	982	959
65°	607	602	596	532	520	614
75°	275	260	228	259	262	302
85°	97	91	93	96	103	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	789.1	789.1	789.1	789.1	789.1
2.5°	788.4	789.1	789.7	790.4	790.4
5°	789.7	790.4	791.1	793.8	792.5
7.5°	790.4	791.1	793.2	797.2	797.2
10°	791.1	793.2	797.2	801.3	802.7
12.5°	793.8	795.9	801.3	806.8	808.2
15°	795.2	799.3	805.4	810.2	810.9
17.5°	800.0	804.1	810.9	812.9	812.9
20°	804.7	810.2	816.3	816.3	815.0
22.5°	813.6	819.8	824.5	820.4	817.7
25°	824.5	832.0	834.1	826.6	821.8
27.5°	840.2	849.8	847.0	836.8	830.7
30°	860.7	872.9	866.8	851.8	842.9
32.5°	888.0	903.0	892.7	873.6	860.0
35°	922.1	939.8	930.2	898.9	879.1
37.5°	964.3	982.7	971.2	930.9	904.3
40°	1019.6	1029.1	1012.8	969.1	937.1
42.5°	1079.6	1074.8	1049.6	1009.3	978.0
45°	1140.3	1112.3	1072.1	1044.1	1021.6
47.5°	1183.9	1132.1	1074.8	1060.5	1056.4
50°	1194.8	1128.0	1057.1	1051.6	1066.6
52.5°	1164.2	1106.2	1025.0	1015.5	1042.8
55°	1096.0	1068.0	985.5	956.8	982.1
57.5°	995.7	993.7	922.7	871.6	878.4
60°	868.2	876.4	830.0	757.7	753.6
62.5°	730.4	735.2	714.7	639.7	625.4
65°	607.0	602.2	596.1	532.0	519.7
67.5°	505.4	491.0	481.5	442.6	436.5
70°	419.4	396.9	377.8	371.7	365.5
72.5°	339.6	323.3	292.6	309.6	308.9
75°	274.8	259.8	227.8	259.2	261.9
77.5°	225.1	214.8	184.1	212.8	221.6
80°	191.0	169.8	154.8	173.2	184.8
82.5°	145.9	129.6	126.2	133.7	144.6
85°	96.8	90.7	93.4	96.2	103.0
87.5°	49.1	52.5	56.6	61.4	64.8
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	16.6	18.4	17.0	18.7	19.0	15.7	17.5	16.1	17.8	18.1
	3H	17.7	19.3	18.1	19.6	20.0	16.8	18.4	17.2	18.8	19.1
	4H	18.1	19.6	18.5	20.0	20.3	17.3	18.8	17.7	19.2	19.5
	6H	18.5	19.9	18.9	20.2	20.6	17.7	19.2	18.1	19.5	19.9
	8H	18.6	20.0	19.0	20.4	20.8	17.9	19.3	18.3	19.7	20.1
	12H	18.7	20.0	19.2	20.4	20.9	18.1	19.4	18.5	19.8	20.2
4H	2H	17.0	18.5	17.4	18.9	19.3	16.3	17.8	16.7	18.1	18.5
	3H	18.3	19.6	18.7	20.0	20.4	17.6	18.9	18.0	19.3	19.6
	4H	18.8	20.0	19.2	20.4	20.8	18.2	19.3	18.6	19.7	20.2
	6H	19.3	20.3	19.7	20.7	21.2	18.7	19.8	19.2	20.2	20.6
	8H	19.5	20.5	20.0	20.9	21.4	19.0	19.9	19.5	20.4	20.9
	12H	19.7	20.6	20.2	21.0	21.5	19.2	20.1	19.7	20.6	21.0
8H	4H	19.0	19.9	19.4	20.4	20.8	18.4	19.3	18.8	19.8	20.2
	6H	19.6	20.4	20.0	20.8	21.3	19.1	19.9	19.6	20.4	20.8
	8H	19.9	20.6	20.4	21.1	21.6	19.4	20.1	19.9	20.6	21.1
	12H	20.1	20.8	20.7	21.3	21.8	19.8	20.4	20.3	20.9	21.5
12H	4H	19.0	19.8	19.5	20.3	20.8	18.4	19.3	18.9	19.7	20.2
	6H	19.6	20.3	20.1	20.8	21.3	19.1	19.9	19.7	20.3	20.9
	8H	20.0	20.6	20.5	21.1	21.6	19.5	20.2	20.0	20.7	21.2













(END OF REPORT)