

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: P1527135

Luminaire Tested: 24CGTX-55HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTX-55HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

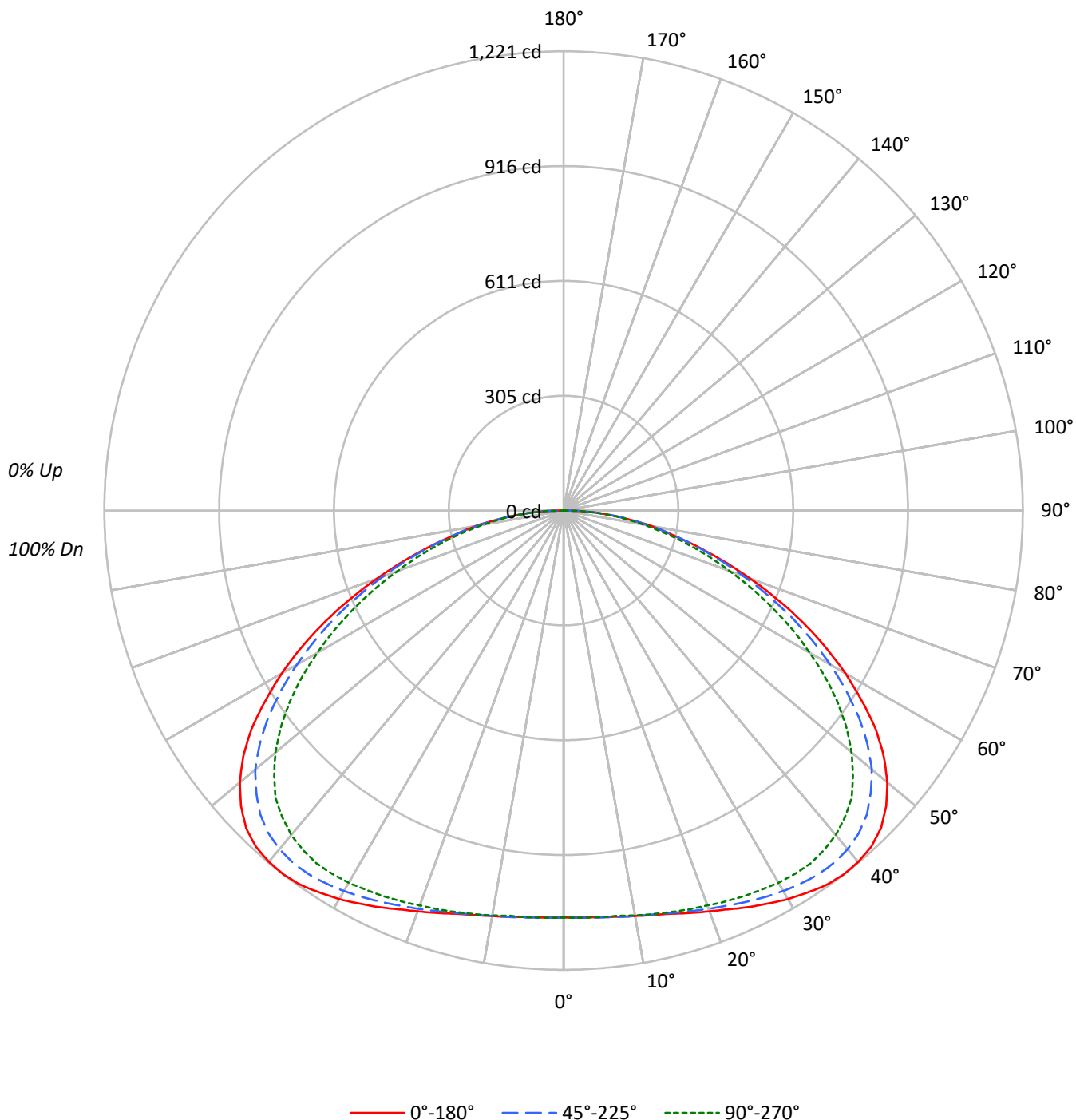
Lumens per Lamp: N/A
Luminaire Lumens: 4575.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.3
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	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	81	74	94	86	79	74	83	77	72	79	74	70	76	72	69	66			
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54			
4	80	67	57	50	77	66	57	50	63	55	49	61	54	48	58	53	48	45			
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39			
6	67	53	43	36	65	52	43	36	50	42	36	48	41	36	47	40	35	33			
7	62	47	38	32	60	47	38	32	45	37	31	44	36	31	42	36	31	29			
8	57	43	34	28	56	42	34	28	41	33	28	40	33	27	38	32	27	25			
9	53	39	31	25	52	39	30	25	37	30	25	36	29	24	35	29	24	22			
10	50	36	28	22	48	35	27	22	34	27	22	33	27	22	33	26	22	20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1456	1456	1456
5°	1466	1467	1466
10°	1495	1495	1493
15°	1546	1543	1539
20°	1623	1613	1599
25°	1727	1704	1680
30°	1853	1815	1775
35°	1997	1940	1881
40°	2141	2064	1977
45°	2271	2171	2060
50°	2352	2240	2093
55°	2377	2248	2087
60°	2327	2203	2033
65°	2228	2121	1953
70°	2075	2006	1849
75°	1900	1887	1750
80°	1843	1805	1675
85°	1712	1786	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 2377 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	2.3
10°-20°	314.7	6.9
20°-30°	531.6	11.6
30°-40°	739.4	16.2
40°-50°	875.3	19.1
50°-60°	849.2	18.6
60°-70°	654.3	14.3
70°-80°	381.8	8.3
80°-90°	124.8	2.7
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°	950.2	20.8
0°-40°	1689.6	36.9
0°-60°	3414.1	74.6
0°-90°	4575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4575.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1082	1082	1082	1082	1082	
5°	1085	1086	1086	1086	1085	104
15°	1110	1110	1107	1105	1105	316
25°	1163	1158	1148	1136	1131	539
35°	1216	1206	1181	1156	1145	762
45°	1194	1178	1141	1102	1083	917
55°	1013	996	958	914	890	900
65°	700	692	666	632	614	691
75°	365	374	363	346	337	391
85°	111	116	116	113	108	124
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1081.9	1081.9	1081.9	1081.9	1081.9
2.5°	1082.7	1083.5	1083.5	1083.5	1083.5
5°	1085.1	1085.9	1085.9	1085.9	1085.1
7.5°	1089.1	1089.1	1089.9	1089.1	1086.7
10°	1094.6	1094.6	1094.6	1093.8	1093.0
12.5°	1101.0	1101.8	1100.2	1099.4	1098.6
15°	1109.8	1109.8	1107.4	1105.0	1105.0
17.5°	1121.8	1120.2	1117.0	1113.0	1111.4
20°	1133.7	1132.1	1126.6	1120.2	1117.0
22.5°	1147.3	1144.1	1136.9	1128.2	1125.0
25°	1163.3	1158.5	1148.1	1136.1	1131.3
27.5°	1177.6	1171.2	1158.5	1144.9	1136.9
30°	1192.8	1184.8	1168.0	1150.5	1142.5
32.5°	1204.7	1196.8	1175.2	1155.3	1144.9
35°	1215.9	1205.5	1180.8	1156.1	1144.9
37.5°	1220.7	1209.5	1180.8	1152.1	1137.7
40°	1219.1	1207.1	1175.2	1142.5	1125.8
42.5°	1211.1	1196.8	1162.5	1125.8	1106.6
45°	1193.6	1177.6	1140.9	1101.8	1082.7
47.5°	1163.3	1147.3	1108.2	1066.7	1043.6
50°	1123.4	1106.6	1069.9	1023.6	999.7
52.5°	1073.1	1056.3	1018.1	971.0	947.8
55°	1013.3	995.7	958.2	913.5	889.6
57.5°	939.9	927.1	890.4	848.1	825.0
60°	864.9	852.1	818.6	778.7	755.6
62.5°	784.3	773.9	743.6	706.1	686.1
65°	699.7	691.7	666.2	631.9	613.5
67.5°	613.5	610.4	587.2	557.7	541.7
70°	527.4	529.0	509.8	483.5	469.9
72.5°	443.6	449.2	434.0	412.5	402.9
75°	365.4	374.2	363.0	346.3	336.7
77.5°	292.8	304.8	295.2	282.4	274.5
80°	237.8	237.0	233.0	223.4	216.2
82.5°	170.7	173.9	171.5	166.0	162.0
85°	110.9	116.5	115.7	113.3	108.5
87.5°	55.1	61.4	62.2	60.6	58.2
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	15.7	17.4	16.1	17.7	18.1	15.0	16.8	15.4	17.1	17.4
	3H	17.5	19.1	17.9	19.4	19.8	16.8	18.4	17.2	18.7	19.1
	4H	18.2	19.7	18.6	20.0	20.4	17.5	19.0	17.9	19.3	19.7
	6H	18.7	20.1	19.1	20.5	20.8	18.1	19.4	18.5	19.8	20.2
	8H	18.9	20.2	19.3	20.6	21.0	18.3	19.6	18.7	20.0	20.4
	12H	19.0	20.3	19.5	20.7	21.1	18.4	19.7	18.9	20.1	20.5
4H	2H	16.3	17.8	16.7	18.1	18.5	15.8	17.3	16.2	17.6	18.0
	3H	18.3	19.6	18.8	20.0	20.4	17.8	19.0	18.2	19.4	19.8
	4H	19.2	20.3	19.6	20.7	21.1	18.6	19.7	19.0	20.1	20.6
	6H	19.8	20.8	20.3	21.3	21.7	19.3	20.3	19.7	20.7	21.2
	8H	20.1	21.0	20.5	21.5	21.9	19.5	20.5	20.0	20.9	21.4
	12H	20.3	21.1	20.8	21.6	22.1	19.8	20.6	20.2	21.1	21.6
8H	4H	19.5	20.4	19.9	20.9	21.3	19.0	19.9	19.4	20.4	20.8
	6H	20.3	21.1	20.8	21.6	22.0	19.8	20.6	20.3	21.1	21.6
	8H	20.6	21.3	21.1	21.8	22.3	20.2	20.9	20.7	21.4	21.9
	12H	20.9	21.6	21.4	22.1	22.6	20.5	21.1	21.0	21.6	22.2
12H	4H	19.5	20.4	20.0	20.8	21.3	19.0	19.9	19.5	20.4	20.8
	6H	20.4	21.1	20.9	21.6	22.1	19.9	20.6	20.4	21.1	21.6
	8H	20.8	21.4	21.3	21.9	22.5	20.3	21.0	20.8	21.4	22.0













(END OF REPORT)