

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: P1527138

Luminaire Tested: 24CGTX-65-F125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527138
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-65-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

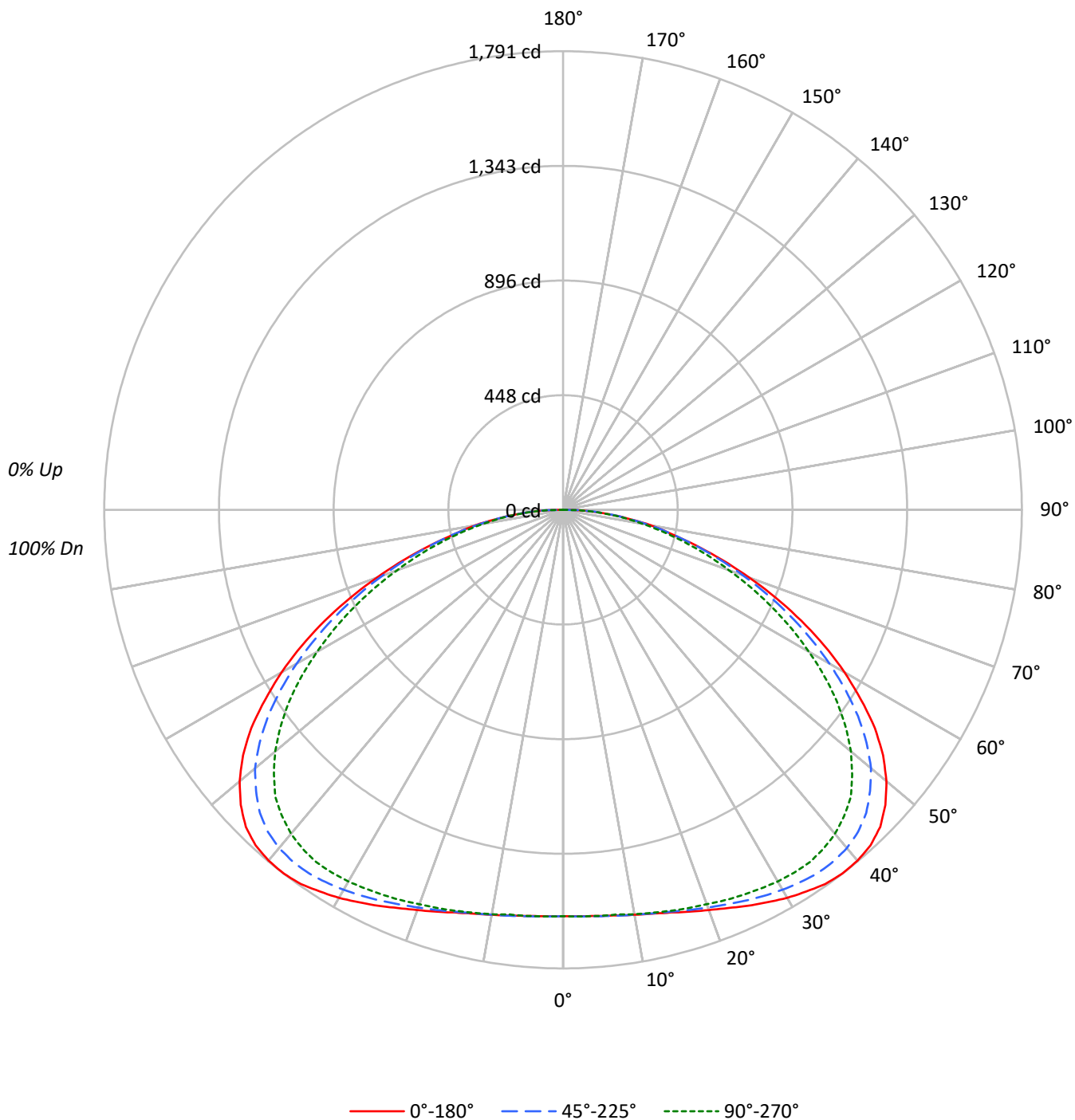
Lumens per Lamp: N/A
Luminaire Lumens: 6711.3 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 1.6 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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			
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
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°	2135	2135	2135
5°	2150	2151	2150
10°	2194	2194	2191
15°	2268	2263	2258
20°	2381	2366	2346
25°	2533	2500	2464
30°	2719	2662	2604
35°	2930	2845	2759
40°	3141	3028	2901
45°	3332	3185	3022
50°	3449	3285	3070
55°	3487	3297	3061
60°	3414	3231	2983
65°	3268	3111	2865
70°	3043	2942	2712
75°	2786	2768	2568
80°	2703	2648	2458
85°	2512	2620	2458

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 55°

Luminance: 3487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	2.3
10°-20°	461.7	6.9
20°-30°	779.8	11.6
30°-40°	1084.7	16.2
40°-50°	1284.0	19.1
50°-60°	1245.8	18.6
60°-70°	959.8	14.3
70°-80°	560.0	8.3
80°-90°	183.0	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°	1393.9	20.8
0°-40°	2478.6	36.9
0°-60°	5008.4	74.6
0°-90°	6711.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6711.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1587	1587	1587	1587	1587	
5°	1592	1593	1593	1593	1592	152
15°	1628	1628	1624	1621	1621	463
25°	1706	1699	1684	1667	1660	791
35°	1784	1768	1732	1696	1680	1117
45°	1751	1728	1674	1616	1588	1345
55°	1486	1461	1406	1340	1305	1319
65°	1026	1015	977	927	900	1014
75°	536	549	532	508	494	574
85°	163	171	170	166	159	182
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1587.1	1587.1	1587.1	1587.1	1587.1
2.5°	1588.2	1589.4	1589.4	1589.4	1589.4
5°	1591.8	1592.9	1592.9	1592.9	1591.8
7.5°	1597.6	1597.6	1598.8	1597.6	1594.1
10°	1605.8	1605.8	1605.8	1604.6	1603.5
12.5°	1615.2	1616.3	1614.0	1612.8	1611.6
15°	1628.0	1628.0	1624.5	1621.0	1621.0
17.5°	1645.6	1643.2	1638.6	1632.7	1630.4
20°	1663.1	1660.8	1652.6	1643.2	1638.6
22.5°	1683.0	1678.4	1667.8	1655.0	1650.3
25°	1706.5	1699.4	1684.2	1666.7	1659.6
27.5°	1727.5	1718.2	1699.4	1679.5	1667.8
30°	1749.8	1738.1	1713.5	1687.7	1676.0
32.5°	1767.3	1755.6	1724.0	1694.7	1679.5
35°	1783.7	1768.5	1732.2	1695.9	1679.5
37.5°	1790.7	1774.3	1732.2	1690.1	1669.0
40°	1788.4	1770.8	1724.0	1676.0	1651.4
42.5°	1776.7	1755.6	1705.3	1651.4	1623.4
45°	1750.9	1727.5	1673.7	1616.3	1588.2
47.5°	1706.5	1683.0	1625.7	1564.8	1530.9
50°	1647.9	1623.4	1569.5	1501.6	1466.5
52.5°	1574.2	1549.6	1493.4	1424.4	1390.4
55°	1486.4	1460.7	1405.7	1340.1	1305.0
57.5°	1378.7	1360.0	1306.2	1244.1	1210.2
60°	1268.7	1250.0	1200.8	1142.3	1108.4
62.5°	1150.5	1135.3	1090.8	1035.8	1006.5
65°	1026.4	1014.7	977.3	927.0	900.0
67.5°	900.0	895.4	861.4	818.1	794.7
70°	773.6	776.0	747.9	709.3	689.4
72.5°	650.7	658.9	636.7	605.1	591.1
75°	536.0	548.9	532.5	508.0	493.9
77.5°	429.5	447.1	433.1	414.3	402.6
80°	348.8	347.6	341.8	327.7	317.2
82.5°	250.5	255.1	251.6	243.4	237.6
85°	162.7	170.9	169.7	166.2	159.2
87.5°	80.8	90.1	91.3	89.0	85.4
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	17.0	18.8	17.4	19.1	19.4	16.4	18.1	16.7	18.4	18.7
	3H	18.8	20.4	19.2	20.7	21.1	18.1	19.7	18.5	20.1	20.4
	4H	19.5	21.0	19.9	21.4	21.7	18.8	20.3	19.2	20.7	21.0
	6H	20.0	21.4	20.4	21.8	22.2	19.4	20.8	19.8	21.1	21.5
	8H	20.2	21.6	20.7	21.9	22.3	19.6	20.9	20.0	21.3	21.7
	12H	20.4	21.7	20.8	22.0	22.5	19.8	21.0	20.2	21.4	21.8
4H	2H	17.6	19.1	18.0	19.5	19.8	17.1	18.6	17.5	18.9	19.3
	3H	19.7	20.9	20.1	21.3	21.7	19.1	20.4	19.5	20.8	21.2
	4H	20.5	21.6	20.9	22.0	22.5	19.9	21.1	20.4	21.5	21.9
	6H	21.2	22.2	21.6	22.6	23.1	20.6	21.6	21.1	22.1	22.5
	8H	21.4	22.4	21.9	22.8	23.3	20.9	21.8	21.3	22.3	22.7
	12H	21.6	22.5	22.1	22.9	23.4	21.1	21.9	21.6	22.4	22.9
8H	4H	20.8	21.7	21.3	22.2	22.7	20.3	21.3	20.8	21.7	22.2
	6H	21.6	22.4	22.1	22.9	23.4	21.1	21.9	21.6	22.4	22.9
	8H	22.0	22.7	22.5	23.2	23.7	21.5	22.2	22.0	22.7	23.2
	12H	22.3	22.9	22.8	23.4	23.9	21.8	22.4	22.3	22.9	23.5
12H	4H	20.9	21.7	21.3	22.2	22.6	20.4	21.2	20.8	21.7	22.2
	6H	21.7	22.4	22.2	22.9	23.4	21.2	22.0	21.8	22.4	23.0
	8H	22.1	22.7	22.6	23.2	23.8	21.7	22.3	22.2	22.8	23.3













(END OF REPORT)