

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: P1527298

Luminaire Tested: 22CGSB-55-A125-L930

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-55-A125-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

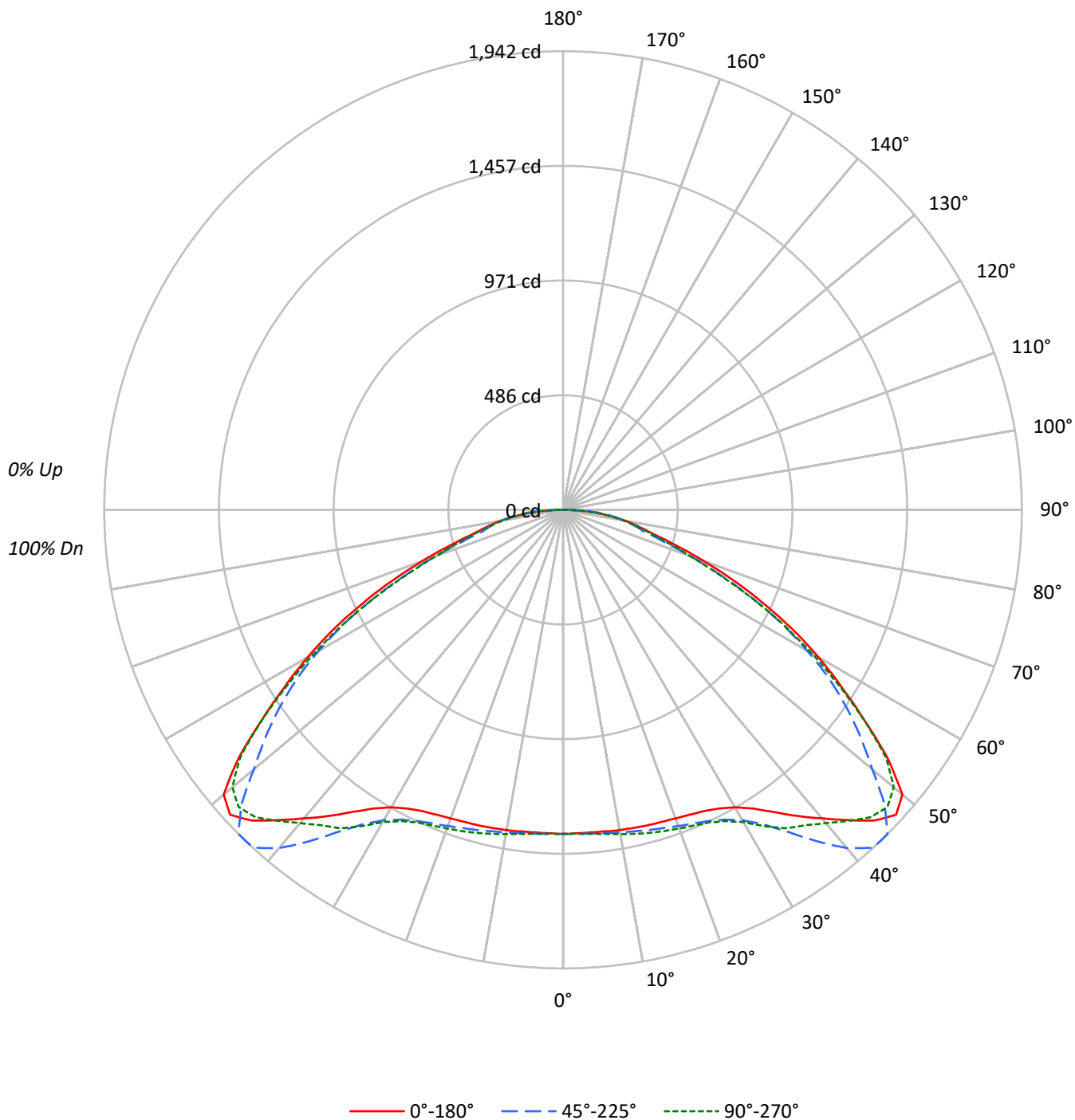
Lumens per Lamp: N/A
Luminaire Lumens: 6491.8 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 46.2
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	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°	3692	3692	3692
5°	3703	3716	3720
10°	3763	3789	3809
15°	3853	3911	3945
20°	3982	4080	4112
25°	4179	4318	4336
30°	4519	4713	4744
35°	5132	5470	5406
40°	5991	6569	6082
45°	7083	7391	7004
50°	7849	7150	7649
55°	7317	6886	7312
60°	6718	6428	6547
65°	5941	5606	5598
70°	4978	4486	4496
75°	4092	3671	3964
80°	4161	4142	3972
85°	4088	4922	4165

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7849 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	2.0
10°-20°	397.9	6.1
20°-30°	672.7	10.4
30°-40°	1034.4	15.9
40°-50°	1437.5	22.1
50°-60°	1353.2	20.8
60°-70°	893.7	13.8
70°-80°	415.3	6.4
80°-90°	155.4	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°	1202.2	18.5
0°-40°	2236.6	34.5
0°-60°	5027.4	77.4
0°-90°	6491.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6491.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1372	1372	1372	1372	1372	
5°	1371	1374	1376	1378	1377	131
15°	1383	1389	1404	1414	1416	392
25°	1408	1426	1454	1463	1460	655
35°	1562	1617	1665	1659	1646	989
45°	1861	1928	1942	1896	1840	1424
55°	1560	1538	1468	1518	1558	1397
65°	933	924	880	894	879	927
75°	394	379	353	364	381	440
85°	132	152	159	154	135	145
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1372.1	1372.1	1372.1	1372.1	1372.1
2.5°	1370.9	1373.3	1374.5	1375.8	1372.1
5°	1370.9	1374.5	1375.8	1378.2	1377.0
7.5°	1373.3	1377.0	1380.7	1383.1	1384.3
10°	1377.0	1380.7	1386.8	1394.1	1394.1
12.5°	1379.4	1385.6	1394.1	1404.0	1405.2
15°	1383.1	1389.2	1404.0	1413.8	1416.2
17.5°	1385.6	1395.4	1412.5	1424.8	1426.0
20°	1390.5	1401.5	1424.8	1435.8	1435.8
22.5°	1397.8	1412.5	1437.1	1446.9	1446.9
25°	1407.6	1426.0	1454.2	1462.8	1460.4
27.5°	1426.0	1448.1	1478.8	1488.6	1486.1
30°	1454.2	1483.7	1516.8	1529.0	1526.6
32.5°	1499.6	1536.4	1578.1	1589.1	1587.9
35°	1562.1	1617.3	1665.1	1659.0	1645.5
37.5°	1634.5	1716.6	1770.6	1713.0	1683.5
40°	1705.6	1817.2	1869.9	1776.7	1731.3
42.5°	1781.6	1895.6	1941.0	1850.3	1786.5
45°	1861.3	1927.5	1942.2	1895.6	1840.5
47.5°	1911.6	1877.3	1845.4	1873.6	1862.5
50°	1874.8	1759.5	1708.0	1762.0	1827.0
52.5°	1735.0	1650.4	1590.3	1640.6	1722.8
55°	1559.7	1537.6	1467.7	1518.0	1558.5
57.5°	1399.1	1416.2	1340.2	1378.2	1384.3
60°	1248.2	1260.5	1194.3	1226.2	1216.4
62.5°	1095.0	1096.2	1044.7	1063.1	1048.4
65°	933.1	924.5	880.4	893.9	879.2
67.5°	781.1	761.4	719.8	725.9	712.4
70°	632.7	609.4	570.2	578.7	571.4
72.5°	500.3	481.9	447.5	458.6	465.9
75°	393.6	378.9	353.1	364.2	381.3
77.5°	326.2	307.8	310.2	302.9	315.1
80°	268.5	257.5	267.3	259.9	256.3
82.5°	199.9	210.9	214.6	218.3	199.9
85°	132.4	152.0	159.4	154.5	134.9
87.5°	65.0	82.2	84.6	83.4	69.9
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	19.8	21.5	20.1	21.8	22.1	19.6	21.3	20.0	21.7	22.0
	3H	21.0	22.6	21.4	22.9	23.3	20.8	22.3	21.1	22.7	23.0
	4H	21.4	22.9	21.8	23.3	23.6	21.1	22.6	21.5	23.0	23.4
	6H	21.8	23.2	22.2	23.5	23.9	21.5	22.9	21.9	23.2	23.6
	8H	21.9	23.2	22.3	23.6	24.0	21.7	23.0	22.1	23.4	23.8
	12H	22.0	23.3	22.5	23.7	24.1	21.8	23.1	22.2	23.4	23.9
4H	2H	20.2	21.7	20.6	22.1	22.4	20.1	21.6	20.5	21.9	22.3
	3H	21.7	22.9	22.1	23.3	23.7	21.4	22.7	21.8	23.1	23.5
	4H	22.1	23.3	22.6	23.7	24.1	21.9	23.0	22.3	23.4	23.9
	6H	22.6	23.6	23.1	24.1	24.5	22.4	23.4	22.8	23.8	24.3
	8H	22.8	23.8	23.3	24.2	24.7	22.6	23.6	23.1	24.0	24.5
	12H	23.0	23.9	23.5	24.3	24.8	22.8	23.7	23.3	24.1	24.6
8H	4H	22.3	23.3	22.8	23.7	24.2	22.1	23.0	22.6	23.5	23.9
	6H	22.9	23.7	23.4	24.2	24.7	22.7	23.5	23.2	24.0	24.5
	8H	23.3	24.0	23.8	24.5	24.9	23.1	23.8	23.6	24.3	24.8
	12H	23.5	24.2	24.1	24.7	25.2	23.4	24.0	23.9	24.5	25.1
12H	4H	22.4	23.2	22.8	23.7	24.1	22.1	23.0	22.6	23.5	23.9
	6H	23.0	23.7	23.5	24.2	24.7	22.8	23.5	23.3	24.0	24.5
	8H	23.4	24.0	23.9	24.5	25.1	23.2	23.8	23.7	24.3	24.9













(END OF REPORT)