

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: P1527281

Luminaire Tested: 22CGSB-45-A125-L835

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527281
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-45-A125-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

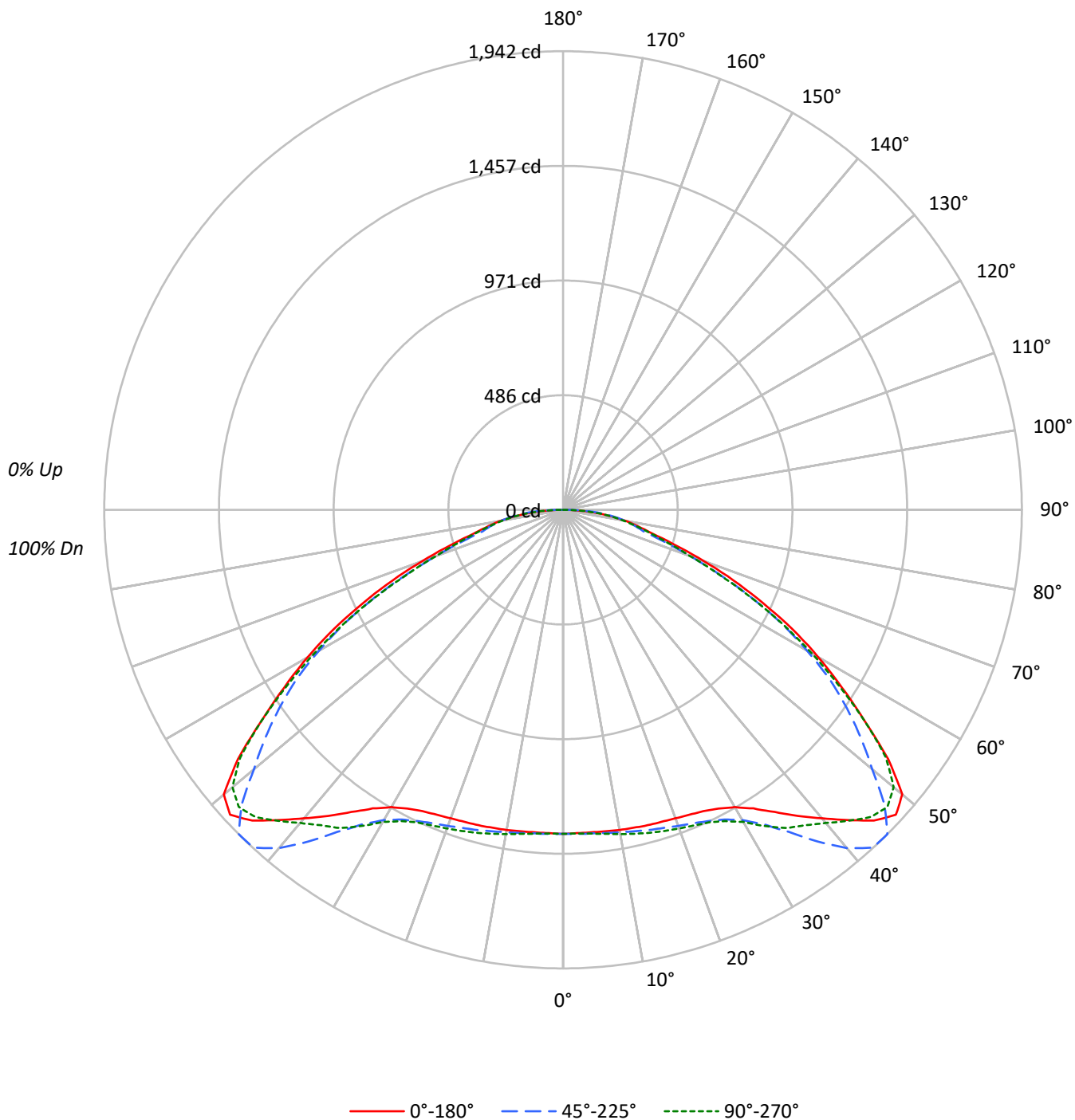
Lumens per Lamp: N/A
Luminaire Lumens: 6490.0 lumens
Efficiency: N/A
Efficacy: 169.9 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 38.2
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3691	3691	3691
5°	3702	3715	3719
10°	3762	3788	3809
15°	3852	3910	3944
20°	3981	4079	4111
25°	4178	4317	4335
30°	4517	4712	4742
35°	5130	5469	5404
40°	5990	6567	6080
45°	7081	7389	7002
50°	7847	7149	7646
55°	7315	6884	7309
60°	6716	6426	6544
65°	5940	5604	5596
70°	4976	4485	4494
75°	4091	3670	3963
80°	4161	4141	3970
85°	4088	4922	4162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	2.0
10°-20°	397.8	6.1
20°-30°	672.5	10.4
30°-40°	1034.1	15.9
40°-50°	1437.2	22.1
50°-60°	1352.8	20.8
60°-70°	893.4	13.8
70°-80°	415.2	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°	1201.9	18.5
0°-40°	2236.0	34.5
0°-60°	5026.0	77.4
0°-90°	6490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1372	1372	1372	1372	1372	
5°	1370	1374	1375	1378	1377	131
15°	1383	1389	1404	1413	1416	392
25°	1407	1426	1454	1462	1460	655
35°	1562	1617	1665	1658	1645	989
45°	1861	1927	1942	1895	1840	1424
55°	1559	1537	1467	1518	1558	1397
65°	933	924	880	894	879	926
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°	1371.7	1371.7	1371.7	1371.7	1371.7
2.5°	1370.5	1372.9	1374.1	1375.4	1371.7
5°	1370.5	1374.1	1375.4	1377.8	1376.6
7.5°	1372.9	1376.6	1380.3	1382.7	1384.0
10°	1376.6	1380.3	1386.4	1393.8	1393.8
12.5°	1379.0	1385.2	1393.8	1403.6	1404.8
15°	1382.7	1388.9	1403.6	1413.4	1415.8
17.5°	1385.2	1395.0	1412.1	1424.4	1425.6
20°	1390.1	1401.1	1424.4	1435.4	1435.4
22.5°	1397.4	1412.1	1436.7	1446.5	1446.5
25°	1407.2	1425.6	1453.8	1462.4	1460.0
27.5°	1425.6	1447.7	1478.3	1488.1	1485.7
30°	1453.8	1483.2	1516.3	1528.6	1526.1
32.5°	1499.2	1536.0	1577.6	1588.7	1587.4
35°	1561.7	1616.9	1664.7	1658.5	1645.1
37.5°	1634.0	1716.1	1770.1	1712.5	1683.1
40°	1705.1	1816.7	1869.4	1776.2	1730.9
42.5°	1781.1	1895.1	1940.5	1849.8	1786.0
45°	1860.8	1927.0	1941.7	1895.1	1840.0
47.5°	1911.1	1876.7	1844.9	1873.1	1862.0
50°	1874.3	1759.1	1707.6	1761.5	1826.5
52.5°	1734.5	1650.0	1589.9	1640.1	1722.3
55°	1559.2	1537.2	1467.3	1517.6	1558.0
57.5°	1398.7	1415.8	1339.8	1377.8	1384.0
60°	1247.9	1260.1	1193.9	1225.8	1216.0
62.5°	1094.7	1095.9	1044.4	1062.8	1048.1
65°	932.8	924.3	880.1	893.6	878.9
67.5°	780.8	761.2	719.6	725.7	712.2
70°	632.5	609.2	570.0	578.6	571.2
72.5°	500.1	481.7	447.4	458.5	465.8
75°	393.5	378.8	353.0	364.1	381.2
77.5°	326.1	307.7	310.1	302.8	315.0
80°	268.5	257.4	267.2	259.9	256.2
82.5°	199.8	210.8	214.5	218.2	199.8
85°	132.4	152.0	159.4	154.5	134.8
87.5°	65.0	82.1	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)