

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: P1584128

Luminaire Tested: 14CGSB-60-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527173)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-60-A125-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

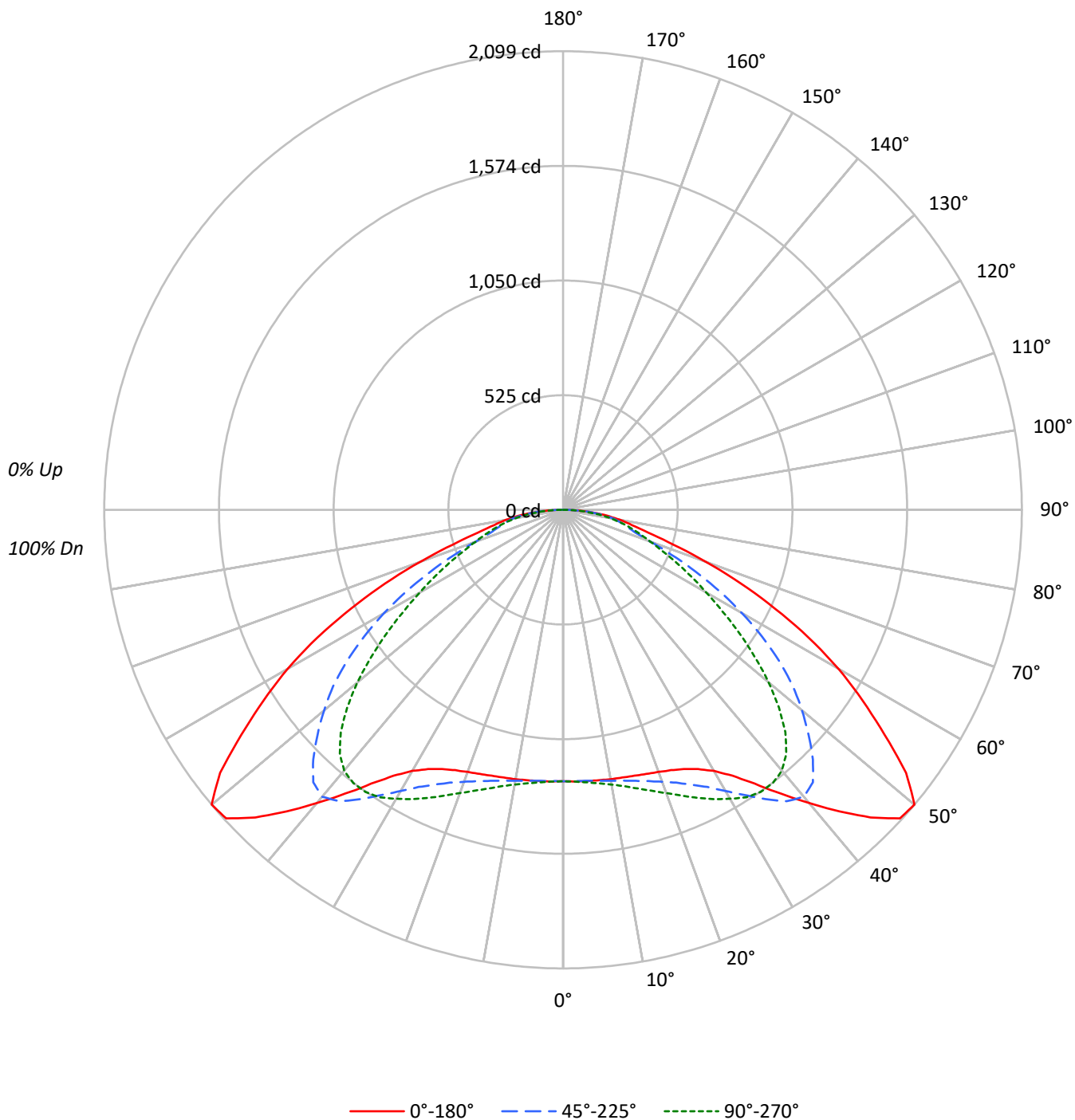
Lumens per Lamp: N/A
Luminaire Lumens: 5816.8 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68.3
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			
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	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58	56
4	80	68	58	51	78	66	58	51	64	56	50		61	55	50		59	54	49	47
5	73	60	50	43	71	59	50	43	56	49	43		54	48	42		53	46	42	39
6	67	53	44	37	65	52	43	37	50	42	36		49	42	36		47	41	36	34
7	62	48	38	32	60	47	38	32	45	37	32		44	37	31		42	36	31	29
8	57	43	34	28	56	42	34	28	41	33	28		40	33	28		39	32	27	25
9	53	39	31	25	52	39	30	25	37	30	24		36	29	24		35	29	24	22
10	50	36	28	22	48	35	27	22	34	27	22		33	27	22		32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3342	3342	3342
5°	3367	3363	3381
10°	3421	3439	3489
15°	3511	3578	3679
20°	3656	3792	3950
25°	3885	4118	4318
30°	4286	4615	4744
35°	5026	5311	5177
40°	6151	6021	5472
45°	7575	6153	5471
50°	8786	5974	5139
55°	8428	5664	4622
60°	7831	5082	4070
65°	6821	4257	3646
70°	5456	3346	3346
75°	4187	3173	3323
80°	4110	3665	3383
85°	4128	4057	3313

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8786 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	2.1
10°-20°	366.6	6.3
20°-30°	645.3	11.1
30°-40°	999.6	17.2
40°-50°	1273.4	21.9
50°-60°	1158.6	19.9
60°-70°	751.4	12.9
70°-80°	365.5	6.3
80°-90°	136.9	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°	1131.4	19.5
0°-40°	2131.0	36.6
0°-60°	4563.1	78.4
0°-90°	5816.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5816.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1242	1242	1242	1242	1242	
5°	1246	1248	1245	1247	1252	119
15°	1260	1268	1284	1308	1320	358
25°	1308	1336	1387	1436	1454	610
35°	1530	1596	1617	1590	1576	974
45°	1991	1868	1617	1475	1438	1529
55°	1796	1576	1207	1040	985	1604
65°	1071	949	669	579	573	1061
75°	403	369	305	291	320	456
85°	134	146	131	120	107	145
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1242.0	1242.0	1242.0	1242.0	1242.0
2.5°	1244.2	1245.7	1242.0	1242.7	1245.0
5°	1246.5	1248.0	1245.0	1247.2	1251.8
7.5°	1248.0	1251.0	1251.0	1256.3	1262.4
10°	1251.8	1254.8	1258.6	1269.2	1276.7
12.5°	1254.8	1260.1	1269.2	1286.5	1294.8
15°	1260.1	1268.4	1284.3	1308.4	1320.5
17.5°	1266.9	1279.0	1301.6	1333.4	1347.7
20°	1276.7	1292.6	1324.3	1362.1	1379.5
22.5°	1289.6	1310.7	1351.5	1396.1	1415.0
25°	1308.4	1335.6	1387.0	1436.1	1454.2
27.5°	1337.1	1371.1	1430.1	1479.2	1492.8
30°	1379.5	1421.8	1485.2	1519.2	1526.8
32.5°	1442.2	1496.5	1547.2	1558.5	1560.0
35°	1529.8	1596.3	1616.7	1590.2	1575.9
37.5°	1637.1	1711.1	1680.9	1602.3	1576.6
40°	1751.1	1811.6	1714.1	1592.5	1557.7
42.5°	1872.0	1869.0	1691.5	1549.4	1511.7
45°	1990.6	1868.2	1616.7	1475.4	1437.6
47.5°	2090.3	1811.6	1523.7	1384.0	1339.4
50°	2098.6	1737.5	1427.0	1272.9	1227.6
52.5°	1977.8	1664.3	1325.1	1158.1	1106.0
55°	1796.5	1575.9	1207.2	1040.3	985.1
57.5°	1625.0	1460.3	1078.8	918.6	864.2
60°	1455.0	1311.5	944.3	800.8	756.2
62.5°	1266.9	1138.5	806.8	683.7	660.3
65°	1071.2	948.8	668.6	579.4	572.6
67.5°	881.6	769.0	536.4	481.2	489.5
70°	693.5	607.4	425.3	412.5	425.3
72.5°	527.3	479.0	346.0	349.0	370.2
75°	402.7	368.7	305.2	290.8	319.6
77.5°	322.6	300.7	270.5	249.3	270.5
80°	265.2	259.9	236.5	211.5	218.3
82.5°	200.2	204.0	185.8	173.0	164.7
85°	133.7	145.8	131.4	120.1	107.3
87.5°	67.2	81.6	69.5	61.9	55.1
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	20.6	22.3	20.9	22.6	22.9	17.1	18.8	17.5	19.1	19.5
	3H	21.8	23.4	22.2	23.7	24.1	18.4	19.9	18.8	20.3	20.6
	4H	22.2	23.7	22.6	24.0	24.4	19.0	20.4	19.4	20.8	21.1
	6H	22.5	23.9	22.9	24.2	24.6	19.5	20.9	19.9	21.2	21.6
	8H	22.6	23.9	23.0	24.3	24.7	19.7	21.0	20.1	21.4	21.8
	12H	22.7	24.0	23.2	24.4	24.8	19.9	21.1	20.3	21.5	22.0
4H	2H	20.7	22.2	21.1	22.5	22.9	17.8	19.2	18.2	19.6	20.0
	3H	22.2	23.4	22.6	23.8	24.2	19.2	20.4	19.6	20.8	21.2
	4H	22.7	23.8	23.1	24.2	24.6	19.9	21.0	20.3	21.4	21.8
	6H	23.1	24.1	23.6	24.5	25.0	20.6	21.5	21.0	22.0	22.4
	8H	23.3	24.2	23.8	24.7	25.1	20.9	21.8	21.3	22.2	22.7
	12H	23.5	24.3	24.0	24.8	25.3	21.1	21.9	21.6	22.4	22.9
8H	4H	22.8	23.7	23.2	24.1	24.6	20.2	21.1	20.7	21.6	22.0
	6H	23.3	24.1	23.8	24.6	25.1	21.1	21.8	21.6	22.3	22.8
	8H	23.6	24.3	24.1	24.8	25.3	21.5	22.2	22.0	22.7	23.2
	12H	23.9	24.5	24.4	25.0	25.6	21.8	22.5	22.3	22.9	23.5
12H	4H	22.8	23.6	23.3	24.1	24.5	20.3	21.1	20.8	21.6	22.1
	6H	23.4	24.1	23.9	24.5	25.1	21.2	21.9	21.7	22.4	22.9
	8H	23.7	24.3	24.2	24.8	25.4	21.7	22.3	22.2	22.8	23.3











(END OF REPORT)