

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: P1584123

Luminaire Tested: 14CGSB-55-A125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584123
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-55-A125-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

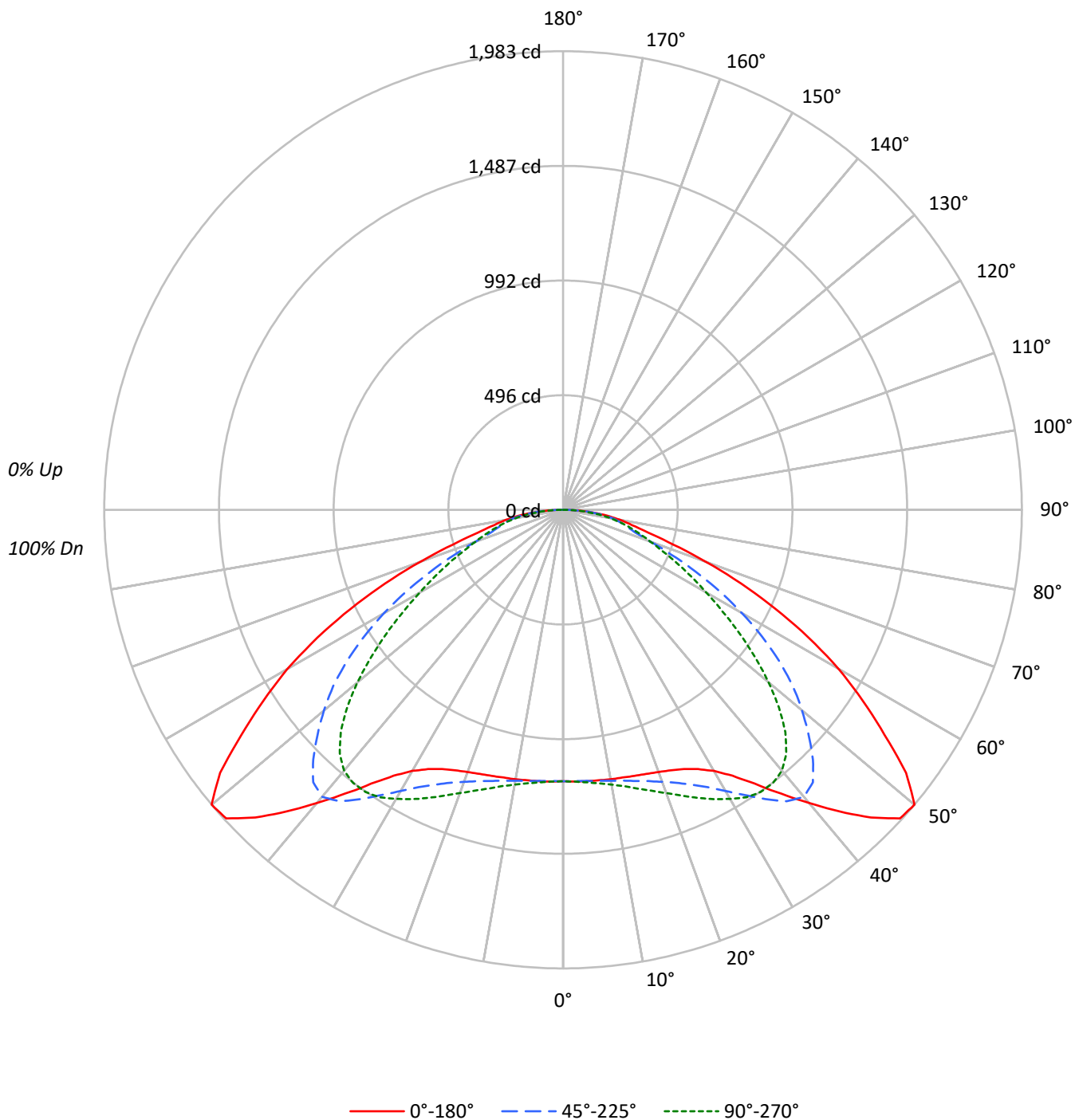
Lumens per Lamp: N/A
Luminaire Lumens: 5496.1 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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		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°	3158	3158	3158
5°	3182	3177	3195
10°	3232	3249	3296
15°	3317	3381	3476
20°	3454	3583	3733
25°	3671	3891	4080
30°	4050	4360	4483
35°	4748	5018	4891
40°	5812	5689	5171
45°	7158	5813	5170
50°	8301	5645	4856
55°	7963	5352	4367
60°	7399	4802	3845
65°	6445	4022	3445
70°	5156	3162	3162
75°	3956	2999	3139
80°	3882	3462	3197
85°	3900	3835	3131

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8301 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	2.1
10°-20°	346.4	6.3
20°-30°	609.7	11.1
30°-40°	944.5	17.2
40°-50°	1203.2	21.9
50°-60°	1094.7	19.9
60°-70°	709.9	12.9
70°-80°	345.3	6.3
80°-90°	129.4	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°	1069.0	19.5
0°-40°	2013.5	36.6
0°-60°	4311.5	78.4
0°-90°	5496.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5496.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1174	1174	1174	1174	1174	
5°	1178	1179	1176	1178	1183	113
15°	1191	1198	1214	1236	1248	338
25°	1236	1262	1310	1357	1374	577
35°	1445	1508	1528	1502	1489	921
45°	1881	1765	1528	1394	1358	1445
55°	1697	1489	1141	983	931	1515
65°	1012	896	632	548	541	1002
75°	380	348	288	275	302	431
85°	126	138	124	114	101	137
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1173.5	1173.5	1173.5	1173.5	1173.5
2.5°	1175.6	1177.1	1173.5	1174.2	1176.3
5°	1177.8	1179.2	1176.3	1178.5	1182.8
7.5°	1179.2	1182.1	1182.1	1187.1	1192.8
10°	1182.8	1185.6	1189.2	1199.2	1206.3
12.5°	1185.6	1190.6	1199.2	1215.6	1223.5
15°	1190.6	1198.5	1213.5	1236.3	1247.7
17.5°	1197.0	1208.5	1229.9	1259.9	1273.4
20°	1206.3	1221.3	1251.3	1287.0	1303.4
22.5°	1218.5	1238.4	1277.0	1319.1	1336.9
25°	1236.3	1262.0	1310.5	1356.9	1374.1
27.5°	1263.4	1295.5	1351.2	1397.6	1410.5
30°	1303.4	1343.4	1403.3	1435.5	1442.6
32.5°	1362.6	1414.0	1461.9	1472.6	1474.0
35°	1445.4	1508.3	1527.5	1502.5	1489.0
37.5°	1546.8	1616.8	1588.2	1514.0	1489.7
40°	1654.6	1711.7	1619.6	1504.7	1471.9
42.5°	1768.8	1765.9	1598.2	1464.0	1428.3
45°	1880.9	1765.2	1527.5	1394.1	1358.4
47.5°	1975.1	1711.7	1439.7	1307.7	1265.6
50°	1982.9	1641.7	1348.4	1202.8	1159.9
52.5°	1868.7	1572.5	1252.0	1094.3	1045.0
55°	1697.4	1489.0	1140.7	982.9	930.8
57.5°	1535.4	1379.8	1019.3	868.0	816.6
60°	1374.8	1239.2	892.3	756.6	714.5
62.5°	1197.0	1075.7	762.3	646.0	623.9
65°	1012.2	896.5	631.7	547.5	541.1
67.5°	833.0	726.6	506.8	454.7	462.5
70°	655.3	573.9	401.9	389.7	401.9
72.5°	498.2	452.5	326.9	329.8	349.8
75°	380.5	348.3	288.4	274.8	301.9
77.5°	304.8	284.1	255.5	235.6	255.5
80°	250.5	245.5	223.4	199.9	206.3
82.5°	189.2	192.7	175.6	163.5	155.6
85°	126.3	137.8	124.2	113.5	101.4
87.5°	63.5	77.1	65.7	58.5	52.1
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	20.4	22.1	20.7	22.4	22.7	16.9	18.6	17.3	18.9	19.3
	3H	21.6	23.2	22.0	23.5	23.9	18.2	19.8	18.6	20.1	20.4
	4H	22.0	23.5	22.4	23.8	24.2	18.8	20.2	19.2	20.6	21.0
	6H	22.3	23.7	22.7	24.0	24.4	19.3	20.7	19.7	21.0	21.4
	8H	22.4	23.7	22.8	24.1	24.5	19.5	20.8	19.9	21.2	21.6
	12H	22.5	23.8	23.0	24.2	24.6	19.7	21.0	20.1	21.3	21.8
4H	2H	20.5	22.0	20.9	22.3	22.7	17.6	19.0	18.0	19.4	19.8
	3H	22.0	23.2	22.4	23.6	24.0	19.0	20.2	19.4	20.6	21.0
	4H	22.5	23.6	22.9	24.0	24.4	19.7	20.8	20.1	21.2	21.6
	6H	22.9	23.9	23.4	24.3	24.8	20.4	21.4	20.8	21.8	22.2
	8H	23.1	24.0	23.6	24.5	24.9	20.7	21.6	21.1	22.0	22.5
	12H	23.3	24.1	23.8	24.6	25.1	20.9	21.7	21.4	22.2	22.7
8H	4H	22.6	23.5	23.0	23.9	24.4	20.0	20.9	20.5	21.4	21.8
	6H	23.1	23.9	23.6	24.4	24.9	20.9	21.6	21.4	22.1	22.6
	8H	23.4	24.1	23.9	24.6	25.1	21.3	22.0	21.8	22.5	23.0
	12H	23.7	24.3	24.2	24.8	25.4	21.6	22.3	22.1	22.7	23.3
12H	4H	22.6	23.4	23.1	23.9	24.3	20.1	20.9	20.6	21.4	21.9
	6H	23.2	23.9	23.7	24.3	24.9	21.0	21.7	21.5	22.2	22.7
	8H	23.5	24.1	24.0	24.6	25.2	21.5	22.1	22.0	22.6	23.1













(END OF REPORT)