

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: P1584122

Luminaire Tested: 14CGSB-55-A125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584122
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

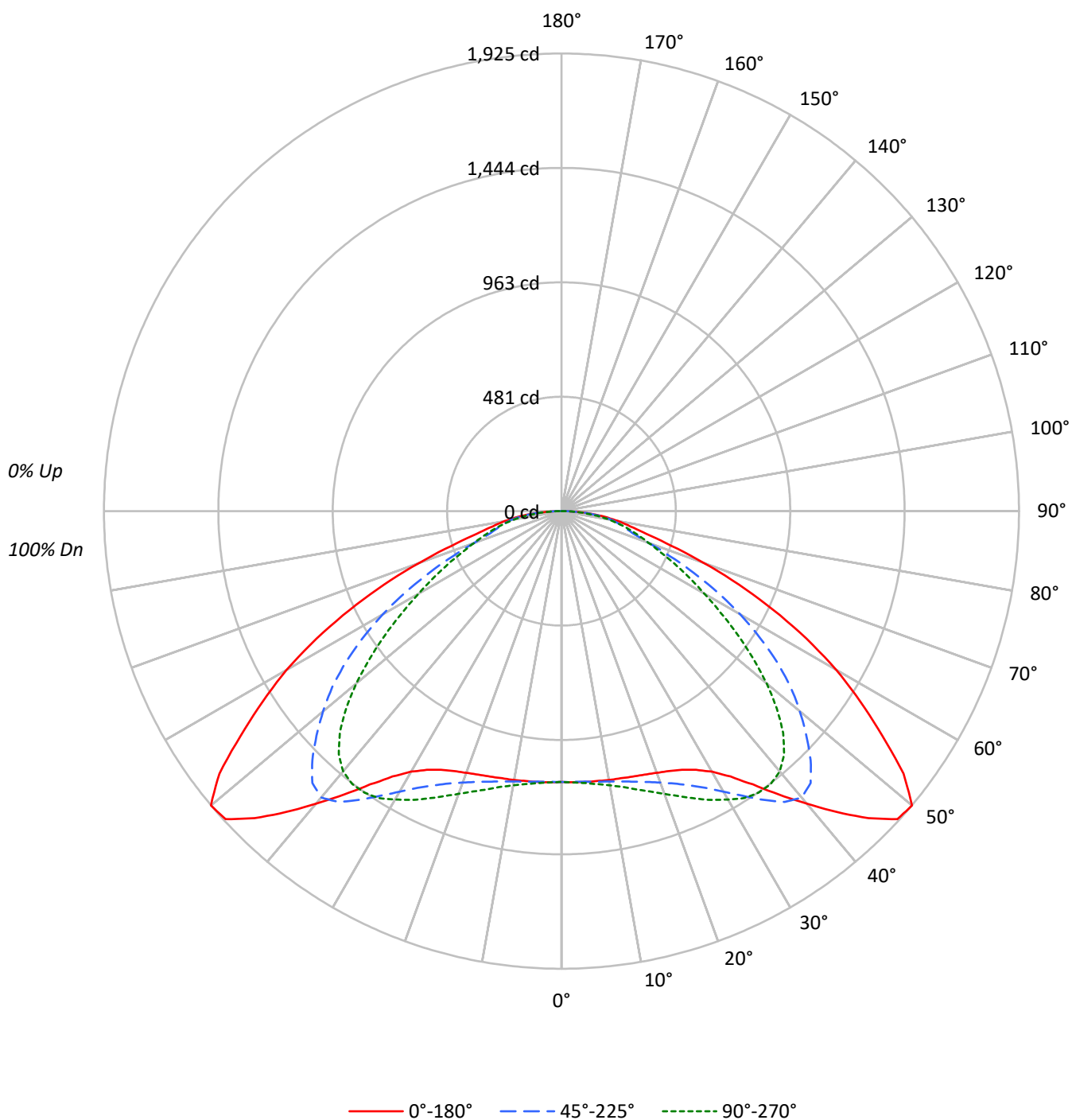
Lumens per Lamp: N/A
Luminaire Lumens: 5336.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			
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°	3066	3066	3066
5°	3089	3085	3102
10°	3138	3155	3200
15°	3220	3282	3375
20°	3354	3479	3624
25°	3564	3778	3961
30°	3932	4234	4352
35°	4610	4872	4749
40°	5643	5524	5020
45°	6949	5644	5019
50°	8060	5480	4714
55°	7732	5195	4240
60°	7183	4662	3733
65°	6257	3905	3345
70°	5006	3070	3070
75°	3841	2911	3047
80°	3769	3361	3104
85°	3788	3724	3038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8060 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	2.1
10°-20°	336.3	6.3
20°-30°	592.0	11.1
30°-40°	917.0	17.2
40°-50°	1168.2	21.9
50°-60°	1062.8	19.9
60°-70°	689.3	12.9
70°-80°	335.3	6.3
80°-90°	125.6	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°	1037.9	19.5
0°-40°	1954.9	36.6
0°-60°	4185.9	78.4
0°-90°	5336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1139	1139	1139	1139	1139	
5°	1144	1145	1142	1144	1148	109
15°	1156	1164	1178	1200	1211	328
25°	1200	1225	1272	1317	1334	560
35°	1403	1464	1483	1459	1446	894
45°	1826	1714	1483	1353	1319	1403
55°	1648	1446	1107	954	904	1471
65°	983	870	613	532	525	973
75°	369	338	280	267	293	419
85°	123	134	121	110	98	133
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1139.3	1139.3	1139.3	1139.3	1139.3
2.5°	1141.4	1142.8	1139.3	1140.0	1142.1
5°	1143.5	1144.9	1142.1	1144.2	1148.3
7.5°	1144.9	1147.6	1147.6	1152.5	1158.0
10°	1148.3	1151.1	1154.6	1164.3	1171.2
12.5°	1151.1	1155.9	1164.3	1180.2	1187.8
15°	1155.9	1163.6	1178.1	1200.3	1211.4
17.5°	1162.2	1173.3	1194.1	1223.2	1236.3
20°	1171.2	1185.7	1214.8	1249.5	1265.4
22.5°	1183.0	1202.4	1239.8	1280.7	1298.0
25°	1200.3	1225.2	1272.4	1317.4	1334.0
27.5°	1226.6	1257.8	1311.9	1356.9	1369.4
30°	1265.4	1304.2	1362.5	1393.6	1400.6
32.5°	1323.0	1372.9	1419.3	1429.7	1431.1
35°	1403.3	1464.3	1483.0	1458.8	1445.6
37.5°	1501.8	1569.7	1541.9	1469.9	1446.3
40°	1606.4	1661.8	1572.4	1460.9	1429.0
42.5°	1717.3	1714.5	1551.6	1421.4	1386.7
45°	1826.1	1713.8	1483.0	1353.4	1318.8
47.5°	1917.6	1661.8	1397.8	1269.6	1228.7
50°	1925.2	1593.9	1309.1	1167.7	1126.1
52.5°	1814.3	1526.7	1215.5	1062.4	1014.6
55°	1648.0	1445.6	1107.4	954.3	903.7
57.5°	1490.7	1339.6	989.6	842.7	792.8
60°	1334.7	1203.1	866.3	734.6	693.7
62.5°	1162.2	1044.4	740.1	627.2	605.7
65°	982.7	870.4	613.3	531.5	525.3
67.5°	808.7	705.5	492.0	441.4	449.1
70°	636.2	557.2	390.2	378.4	390.2
72.5°	483.7	439.4	317.4	320.2	339.6
75°	369.4	338.2	280.0	266.8	293.1
77.5°	295.9	275.8	248.1	228.7	248.1
80°	243.2	238.4	216.9	194.0	200.3
82.5°	183.6	187.1	170.5	158.7	151.1
85°	122.7	133.8	120.6	110.2	98.4
87.5°	61.7	74.8	63.8	56.8	50.6
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	20.3	22.0	20.6	22.3	22.6	16.8	18.5	17.2	18.8	19.2
	3H	21.5	23.1	21.9	23.4	23.8	18.1	19.6	18.5	20.0	20.3
	4H	21.9	23.4	22.3	23.7	24.1	18.7	20.1	19.1	20.5	20.8
	6H	22.2	23.6	22.6	23.9	24.3	19.2	20.6	19.6	20.9	21.3
	8H	22.3	23.6	22.7	24.0	24.4	19.4	20.7	19.8	21.1	21.5
	12H	22.4	23.7	22.9	24.1	24.5	19.6	20.9	20.0	21.2	21.7
4H	2H	20.4	21.9	20.8	22.2	22.6	17.5	18.9	17.9	19.3	19.7
	3H	21.9	23.1	22.3	23.5	23.9	18.9	20.1	19.3	20.5	20.9
	4H	22.4	23.5	22.8	23.9	24.3	19.6	20.7	20.0	21.1	21.5
	6H	22.8	23.8	23.3	24.2	24.7	20.3	21.2	20.7	21.7	22.1
	8H	23.0	23.9	23.5	24.4	24.8	20.6	21.5	21.0	21.9	22.4
	12H	23.2	24.0	23.7	24.5	25.0	20.8	21.6	21.3	22.1	22.6
8H	4H	22.5	23.4	22.9	23.8	24.3	19.9	20.8	20.4	21.3	21.7
	6H	23.0	23.8	23.5	24.3	24.8	20.8	21.5	21.3	22.0	22.5
	8H	23.3	24.0	23.8	24.5	25.0	21.2	21.9	21.7	22.4	22.9
	12H	23.6	24.2	24.1	24.7	25.3	21.5	22.2	22.0	22.6	23.2
12H	4H	22.5	23.3	23.0	23.8	24.2	20.0	20.8	20.5	21.3	21.8
	6H	23.1	23.8	23.6	24.2	24.8	20.9	21.6	21.4	22.1	22.6
	8H	23.4	24.0	23.9	24.5	25.1	21.4	22.0	21.9	22.5	23.0













(END OF REPORT)