

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: P1584121

Luminaire Tested: 14CGSB-55-A125-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584121
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-L830
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

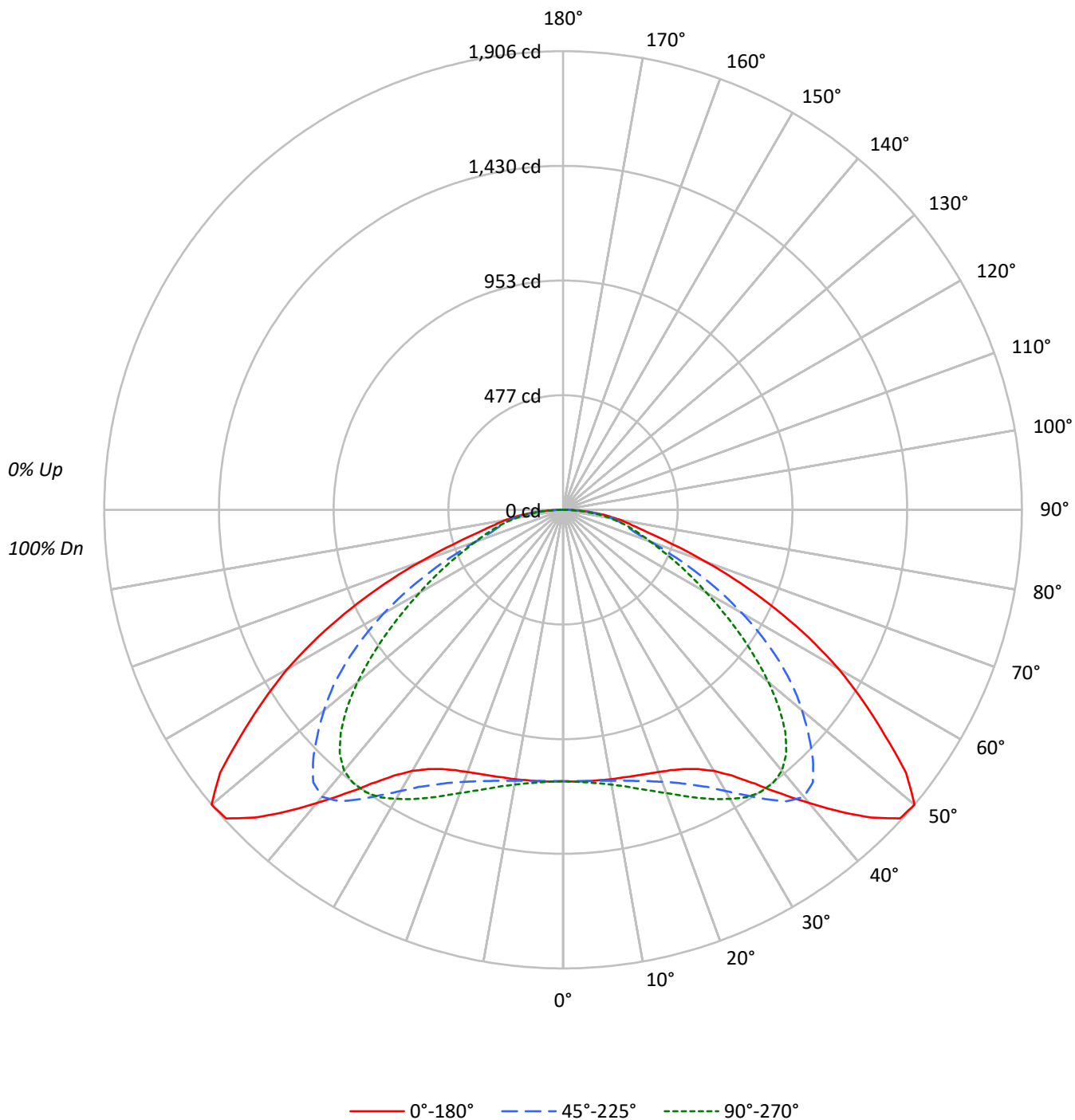
Lumens per Lamp: N/A
Luminaire Lumens: 5282.6 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3035	3035	3035
5°	3058	3054	3071
10°	3106	3123	3168
15°	3188	3249	3341
20°	3320	3444	3588
25°	3528	3740	3921
30°	3893	4191	4309
35°	4564	4823	4702
40°	5586	5468	4970
45°	6880	5587	4969
50°	7979	5426	4667
55°	7654	5144	4197
60°	7112	4616	3696
65°	6195	3866	3311
70°	4955	3039	3039
75°	3802	2882	3017
80°	3732	3327	3073
85°	3748	3687	3007

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7979 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	2.1
10°-20°	333.0	6.3
20°-30°	586.0	11.1
30°-40°	907.8	17.2
40°-50°	1156.5	21.9
50°-60°	1052.2	19.9
60°-70°	682.4	12.9
70°-80°	331.9	6.3
80°-90°	124.3	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°	1027.5	19.5
0°-40°	1935.3	36.6
0°-60°	4144.0	78.4
0°-90°	5282.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5282.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1132	1133	1131	1133	1137	108
15°	1144	1152	1166	1188	1199	325
25°	1188	1213	1260	1304	1321	554
35°	1389	1450	1468	1444	1431	885
45°	1808	1697	1468	1340	1306	1389
55°	1632	1431	1096	945	895	1457
65°	973	862	607	526	520	963
75°	366	335	277	264	290	415
85°	121	132	119	109	97	132
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1130.0	1131.3	1127.9	1128.6	1130.7
5°	1132.0	1133.4	1130.7	1132.7	1136.8
7.5°	1133.4	1136.1	1136.1	1141.0	1146.4
10°	1136.8	1139.6	1143.0	1152.6	1159.5
12.5°	1139.6	1144.4	1152.6	1168.4	1175.9
15°	1144.4	1151.9	1166.3	1188.3	1199.3
17.5°	1150.6	1161.5	1182.1	1210.9	1224.0
20°	1159.5	1173.9	1202.7	1237.0	1252.8
22.5°	1171.1	1190.3	1227.4	1267.9	1285.0
25°	1188.3	1213.0	1259.6	1304.2	1320.7
27.5°	1214.4	1245.2	1298.7	1343.3	1355.7
30°	1252.8	1291.2	1348.8	1379.7	1386.6
32.5°	1309.7	1359.1	1405.1	1415.4	1416.8
35°	1389.3	1449.7	1468.2	1444.2	1431.2
37.5°	1486.7	1554.0	1526.5	1455.2	1431.8
40°	1590.3	1645.2	1556.7	1446.3	1414.7
42.5°	1700.1	1697.4	1536.1	1407.2	1372.8
45°	1807.8	1696.7	1468.2	1339.9	1305.6
47.5°	1898.4	1645.2	1383.8	1256.9	1216.4
50°	1905.9	1578.0	1296.0	1156.0	1114.9
52.5°	1796.2	1511.4	1203.4	1051.8	1004.4
55°	1631.5	1431.2	1096.4	944.7	894.6
57.5°	1475.8	1326.2	979.7	834.3	784.9
60°	1321.4	1191.0	857.6	727.2	686.8
62.5°	1150.6	1033.9	732.7	620.9	599.6
65°	972.9	861.7	607.2	526.2	520.0
67.5°	800.7	698.4	487.1	437.0	444.6
70°	629.8	551.6	386.3	374.6	386.3
72.5°	478.9	435.0	314.2	317.0	336.2
75°	365.7	334.8	277.2	264.1	290.2
77.5°	293.0	273.1	245.6	226.4	245.6
80°	240.8	236.0	214.7	192.1	198.3
82.5°	181.8	185.2	168.8	157.1	149.6
85°	121.4	132.4	119.4	109.1	97.4
87.5°	61.1	74.1	63.1	56.3	50.1
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	20.2	21.9	20.6	22.3	22.6	16.8	18.5	17.1	18.8	19.1
	3H	21.5	23.1	21.9	23.4	23.7	18.1	19.6	18.4	19.9	20.3
	4H	21.9	23.3	22.3	23.7	24.0	18.6	20.1	19.0	20.4	20.8
	6H	22.2	23.5	22.6	23.9	24.3	19.2	20.5	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	23.6	22.8	24.0	24.5	19.6	20.8	20.0	21.2	21.6
4H	2H	20.4	21.9	20.8	22.2	22.6	17.4	18.9	17.8	19.2	19.6
	3H	21.8	23.1	22.3	23.5	23.9	18.9	20.1	19.3	20.5	20.9
	4H	22.3	23.4	22.7	23.8	24.3	19.5	20.7	20.0	21.1	21.5
	6H	22.8	23.7	23.2	24.2	24.6	20.2	21.2	20.7	21.7	22.1
	8H	23.0	23.9	23.4	24.3	24.8	20.5	21.4	21.0	21.9	22.4
	12H	23.2	24.0	23.6	24.5	24.9	20.8	21.6	21.3	22.1	22.5
8H	4H	22.4	23.3	22.9	23.8	24.2	19.9	20.8	20.4	21.2	21.7
	6H	23.0	23.8	23.5	24.3	24.7	20.7	21.5	21.2	22.0	22.5
	8H	23.3	24.0	23.8	24.5	25.0	21.1	21.8	21.6	22.3	22.8
	12H	23.6	24.2	24.1	24.7	25.2	21.5	22.1	22.0	22.6	23.2
12H	4H	22.4	23.3	22.9	23.7	24.2	20.0	20.8	20.4	21.3	21.7
	6H	23.0	23.7	23.6	24.2	24.7	20.9	21.6	21.4	22.0	22.6
	8H	23.4	24.0	23.9	24.5	25.1	21.3	22.0	21.8	22.4	23.0











(END OF REPORT)