

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: P1584127

Luminaire Tested: 14CGSB-55-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584127
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

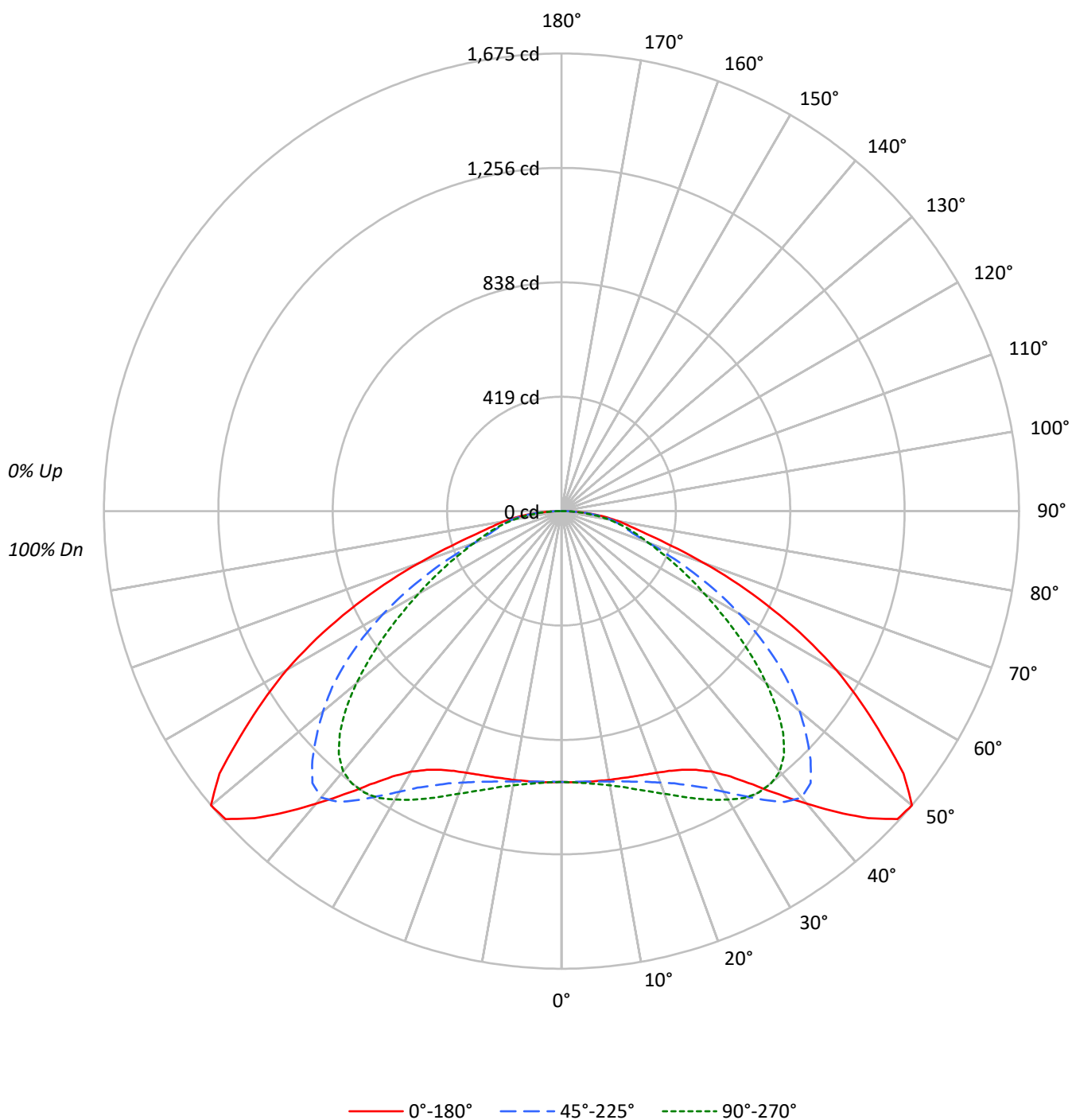
Lumens per Lamp: N/A
Luminaire Lumens: 4642.3 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2667	2667	2667
5°	2687	2684	2699
10°	2730	2745	2784
15°	2802	2856	2936
20°	2918	3027	3153
25°	3101	3287	3446
30°	3421	3683	3786
35°	4011	4238	4132
40°	4910	4806	4367
45°	6046	4910	4367
50°	7012	4768	4101
55°	6726	4520	3689
60°	6250	4056	3248
65°	5443	3398	2910
70°	4355	2670	2670
75°	3342	2533	2651
80°	3279	2924	2700
85°	3294	3239	2643

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7012 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	2.1
10°-20°	292.6	6.3
20°-30°	515.0	11.1
30°-40°	797.8	17.2
40°-50°	1016.3	21.9
50°-60°	924.7	19.9
60°-70°	599.6	12.9
70°-80°	291.7	6.3
80°-90°	109.3	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°	903.0	19.5
0°-40°	1700.7	36.6
0°-60°	3641.7	78.4
0°-90°	4642.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4642.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	995	996	994	995	999	95
15°	1006	1012	1025	1044	1054	286
25°	1044	1066	1107	1146	1161	487
35°	1221	1274	1290	1269	1258	778
45°	1589	1491	1290	1178	1147	1221
55°	1434	1258	964	830	786	1280
65°	855	757	534	462	457	847
75°	321	294	244	232	255	364
85°	107	116	105	96	86	116
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.2	991.2	991.2	991.2	991.2
2.5°	993.0	994.2	991.2	991.8	993.6
5°	994.8	996.0	993.6	995.4	999.0
7.5°	996.0	998.4	998.4	1002.7	1007.5
10°	999.0	1001.4	1004.5	1012.9	1018.9
12.5°	1001.4	1005.7	1012.9	1026.8	1033.4
15°	1005.7	1012.3	1025.0	1044.3	1053.9
17.5°	1011.1	1020.7	1038.8	1064.2	1075.6
20°	1018.9	1031.6	1056.9	1087.1	1100.9
22.5°	1029.2	1046.1	1078.6	1114.2	1129.3
25°	1044.3	1066.0	1107.0	1146.1	1160.6
27.5°	1067.2	1094.3	1141.3	1180.5	1191.4
30°	1100.9	1134.7	1185.3	1212.5	1218.5
32.5°	1151.0	1194.4	1234.8	1243.8	1245.0
35°	1220.9	1274.0	1290.2	1269.1	1257.7
37.5°	1306.5	1365.6	1341.5	1278.8	1258.3
40°	1397.6	1445.8	1368.0	1271.0	1243.2
42.5°	1494.0	1491.6	1349.9	1236.6	1206.4
45°	1588.7	1491.0	1290.2	1177.5	1147.4
47.5°	1668.3	1445.8	1216.1	1104.5	1069.0
50°	1674.9	1386.7	1138.9	1015.9	979.7
52.5°	1578.4	1328.2	1057.5	924.3	882.7
55°	1433.7	1257.7	963.5	830.2	786.2
57.5°	1296.9	1165.4	861.0	733.1	689.7
60°	1161.2	1046.7	753.6	639.1	603.5
62.5°	1011.1	908.6	643.9	545.6	527.0
65°	854.9	757.3	533.6	462.4	457.0
67.5°	703.6	613.8	428.1	384.1	390.7
70°	553.5	484.7	339.4	329.2	339.4
72.5°	420.8	382.3	276.1	278.5	295.4
75°	321.4	294.2	243.6	232.1	255.0
77.5°	257.4	240.0	215.8	199.0	215.8
80°	211.6	207.4	188.7	168.8	174.2
82.5°	159.8	162.8	148.3	138.1	131.4
85°	106.7	116.4	104.9	95.9	85.6
87.5°	53.7	65.1	55.5	49.4	44.0
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	16.3	18.0	16.7	18.4	18.7
	3H	21.0	22.6	21.4	22.9	23.3	17.6	19.2	18.0	19.5	19.8
	4H	21.4	22.9	21.8	23.2	23.6	18.2	19.6	18.6	20.0	20.4
	6H	21.7	23.1	22.1	23.4	23.8	18.7	20.1	19.1	20.4	20.8
	8H	21.8	23.1	22.3	23.5	23.9	18.9	20.2	19.4	20.6	21.0
	12H	21.9	23.2	22.4	23.6	24.0	19.1	20.4	19.5	20.7	21.2
4H	2H	19.9	21.4	20.3	21.7	22.1	17.0	18.5	17.4	18.8	19.2
	3H	21.4	22.6	21.8	23.0	23.4	18.4	19.7	18.8	20.1	20.5
	4H	21.9	23.0	22.3	23.4	23.8	19.1	20.2	19.5	20.6	21.1
	6H	22.3	23.3	22.8	23.7	24.2	19.8	20.8	20.2	21.2	21.7
	8H	22.5	23.4	23.0	23.9	24.3	20.1	21.0	20.5	21.4	21.9
	12H	22.7	23.5	23.2	24.0	24.5	20.3	21.2	20.8	21.6	22.1
8H	4H	22.0	22.9	22.4	23.3	23.8	19.4	20.4	19.9	20.8	21.3
	6H	22.6	23.3	23.0	23.8	24.3	20.3	21.1	20.8	21.5	22.0
	8H	22.8	23.5	23.4	24.0	24.5	20.7	21.4	21.2	21.9	22.4
	12H	23.1	23.7	23.6	24.2	24.8	21.1	21.7	21.6	22.2	22.7
12H	4H	22.0	22.8	22.5	23.3	23.8	19.5	20.3	20.0	20.8	21.3
	6H	22.6	23.3	23.1	23.8	24.3	20.4	21.1	20.9	21.6	22.1
	8H	22.9	23.6	23.5	24.0	24.6	20.9	21.5	21.4	22.0	22.5













(END OF REPORT)