

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: P1584134

Luminaire Tested: 14CGSB-60-A125-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584134
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-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

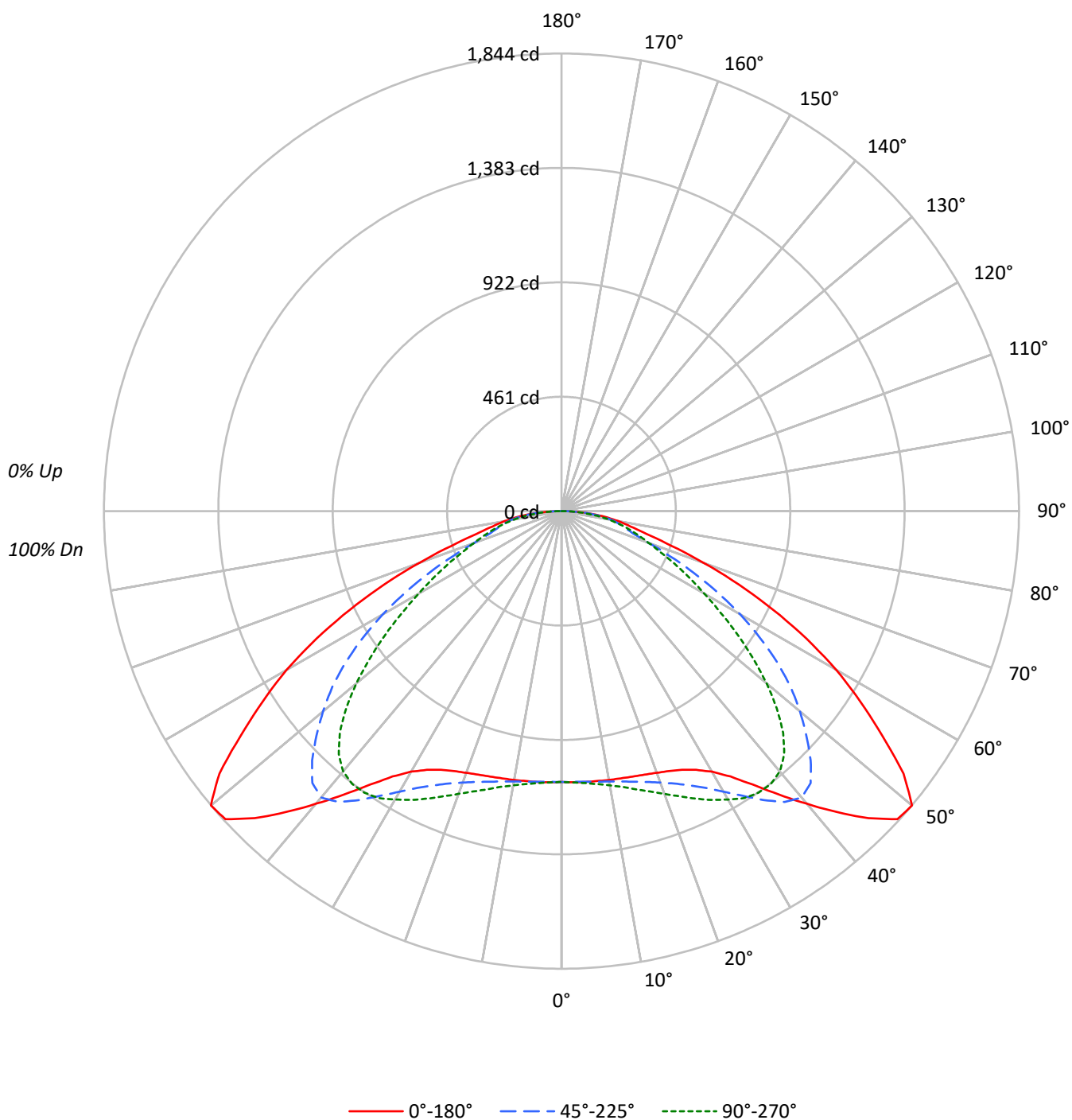
Lumens per Lamp: N/A
Luminaire Lumens: 5111.7 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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				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°	2937	2937	2937
5°	2959	2955	2971
10°	3006	3022	3066
15°	3085	3144	3233
20°	3213	3333	3471
25°	3414	3619	3795
30°	3767	4056	4169
35°	4416	4667	4550
40°	5406	5291	4809
45°	6657	5407	4808
50°	7721	5250	4516
55°	7407	4977	4061
60°	6881	4466	3576
65°	5994	3741	3204
70°	4795	2941	2941
75°	3679	2789	2920
80°	3611	3220	2974
85°	3628	3566	2912

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7721 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	2.1
10°-20°	322.2	6.3
20°-30°	567.1	11.1
30°-40°	878.4	17.2
40°-50°	1119.1	21.9
50°-60°	1018.2	19.9
60°-70°	660.3	12.9
70°-80°	321.2	6.3
80°-90°	120.3	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°	994.3	19.5
0°-40°	1872.7	36.6
0°-60°	4009.9	78.4
0°-90°	5111.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5111.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1091	1091	1091	1091	1091	
5°	1095	1097	1094	1096	1100	105
15°	1107	1115	1129	1150	1160	315
25°	1150	1174	1219	1262	1278	536
35°	1344	1403	1421	1398	1385	856
45°	1749	1642	1421	1297	1263	1344
55°	1579	1385	1061	914	866	1409
65°	941	834	588	509	503	932
75°	354	324	268	256	281	401
85°	118	128	116	106	94	128
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1091.4	1091.4	1091.4	1091.4	1091.4
2.5°	1093.4	1094.7	1091.4	1092.1	1094.1
5°	1095.4	1096.7	1094.1	1096.1	1100.0
7.5°	1096.7	1099.4	1099.4	1104.0	1109.3
10°	1100.0	1102.7	1106.0	1115.3	1122.0
12.5°	1102.7	1107.4	1115.3	1130.6	1137.9
15°	1107.4	1114.7	1128.6	1149.8	1160.5
17.5°	1113.3	1123.9	1143.9	1171.7	1184.4
20°	1122.0	1135.9	1163.8	1197.0	1212.2
22.5°	1133.2	1151.8	1187.7	1226.8	1243.4
25°	1149.8	1173.7	1218.9	1262.0	1278.0
27.5°	1175.1	1204.9	1256.7	1299.9	1311.8
30°	1212.2	1249.4	1305.2	1335.1	1341.7
32.5°	1267.3	1315.1	1359.6	1369.6	1370.9
35°	1344.4	1402.8	1420.7	1397.5	1384.9
37.5°	1438.6	1503.7	1477.1	1408.1	1385.5
40°	1538.9	1592.0	1506.3	1399.5	1368.9
42.5°	1645.1	1642.4	1486.4	1361.6	1328.4
45°	1749.3	1641.8	1420.7	1296.6	1263.4
47.5°	1837.0	1592.0	1339.0	1216.2	1177.1
50°	1844.3	1526.9	1254.1	1118.6	1078.8
52.5°	1738.0	1462.5	1164.4	1017.7	971.9
55°	1578.7	1384.9	1060.9	914.2	865.7
57.5°	1428.0	1283.3	948.0	807.3	759.5
60°	1278.6	1152.5	829.8	703.7	664.5
62.5°	1113.3	1000.5	709.0	600.8	580.2
65°	941.4	833.8	587.5	509.2	503.2
67.5°	774.7	675.8	471.4	422.9	430.2
70°	609.4	533.8	373.8	362.5	373.8
72.5°	463.4	420.9	304.1	306.7	325.3
75°	353.8	324.0	268.2	255.6	280.8
77.5°	283.5	264.2	237.7	219.1	237.7
80°	233.0	228.4	207.8	185.9	191.9
82.5°	175.9	179.2	163.3	152.0	144.7
85°	117.5	128.1	115.5	105.6	94.3
87.5°	59.1	71.7	61.1	54.4	48.5
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	20.1	21.8	20.5	22.1	22.5	16.7	18.4	17.0	18.7	19.0
	3H	21.4	22.9	21.8	23.3	23.6	17.9	19.5	18.3	19.8	20.2
	4H	21.7	23.2	22.1	23.6	23.9	18.5	20.0	18.9	20.3	20.7
	6H	22.0	23.4	22.4	23.8	24.2	19.0	20.4	19.5	20.8	21.2
	8H	22.2	23.5	22.6	23.9	24.3	19.3	20.6	19.7	21.0	21.4
	12H	22.3	23.5	22.7	23.9	24.3	19.4	20.7	19.9	21.1	21.5
4H	2H	20.3	21.7	20.7	22.1	22.5	17.3	18.8	17.7	19.1	19.5
	3H	21.7	23.0	22.1	23.4	23.8	18.8	20.0	19.2	20.4	20.8
	4H	22.2	23.3	22.6	23.7	24.2	19.4	20.6	19.9	21.0	21.4
	6H	22.7	23.6	23.1	24.1	24.5	20.1	21.1	20.6	21.5	22.0
	8H	22.9	23.8	23.3	24.2	24.7	20.4	21.3	20.9	21.8	22.2
	12H	23.0	23.9	23.5	24.3	24.8	20.7	21.5	21.1	22.0	22.4
8H	4H	22.3	23.2	22.8	23.7	24.1	19.8	20.7	20.2	21.1	21.6
	6H	22.9	23.7	23.4	24.1	24.6	20.6	21.4	21.1	21.9	22.3
	8H	23.2	23.9	23.7	24.4	24.9	21.0	21.7	21.5	22.2	22.7
	12H	23.5	24.1	24.0	24.6	25.1	21.4	22.0	21.9	22.5	23.0
12H	4H	22.3	23.1	22.8	23.6	24.1	19.9	20.7	20.3	21.2	21.6
	6H	22.9	23.6	23.5	24.1	24.6	20.8	21.4	21.3	21.9	22.4
	8H	23.3	23.9	23.8	24.4	24.9	21.2	21.8	21.7	22.3	22.9













(END OF REPORT)