

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: P1584132

Luminaire Tested: 14CGSB-60-A125-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584132
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-L930
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

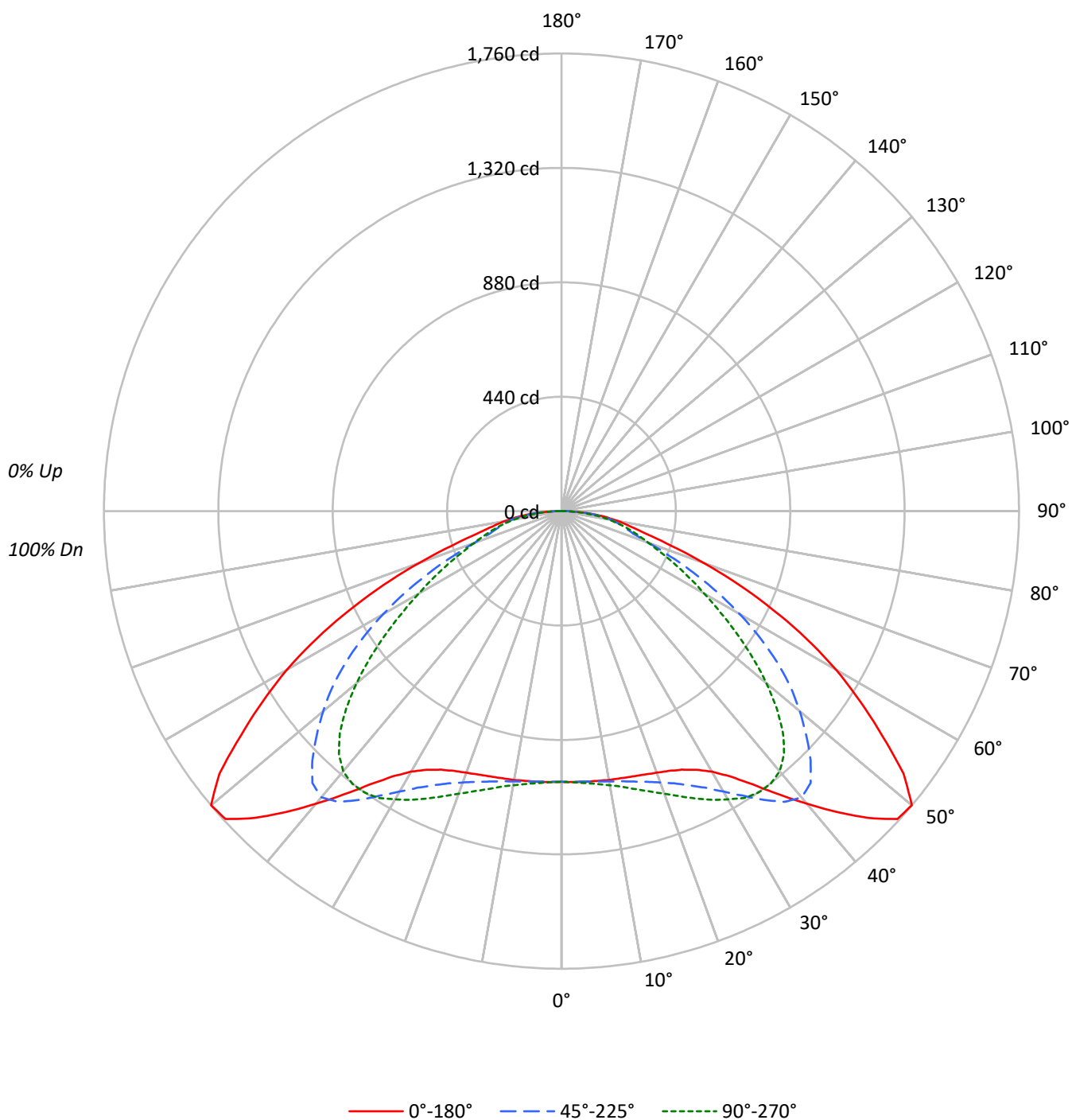
Lumens per Lamp: N/A
Luminaire Lumens: 4876.7 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2802	2802	2802
5°	2823	2820	2835
10°	2868	2883	2925
15°	2943	3000	3084
20°	3065	3180	3312
25°	3257	3453	3620
30°	3594	3869	3977
35°	4213	4453	4340
40°	5157	5048	4588
45°	6351	5158	4587
50°	7366	5009	4309
55°	7066	4748	3875
60°	6565	4261	3412
65°	5719	3569	3057
70°	4574	2806	2806
75°	3510	2661	2785
80°	3445	3071	2836
85°	3461	3402	2776

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7366 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	2.1
10°-20°	307.4	6.3
20°-30°	541.0	11.1
30°-40°	838.0	17.2
40°-50°	1067.6	21.9
50°-60°	971.4	19.9
60°-70°	629.9	12.9
70°-80°	306.4	6.3
80°-90°	114.8	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°	948.6	19.5
0°-40°	1786.6	36.6
0°-60°	3825.6	78.4
0°-90°	4876.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4876.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1041	1041	1041	1041	1041	
5°	1045	1046	1044	1046	1050	100
15°	1056	1063	1077	1097	1107	300
25°	1097	1120	1163	1204	1219	512
35°	1282	1338	1355	1333	1321	817
45°	1669	1566	1355	1237	1205	1282
55°	1506	1321	1012	872	826	1345
65°	898	796	560	486	480	889
75°	338	309	256	244	268	383
85°	112	122	110	101	90	122
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1041.2	1041.2	1041.2	1041.2	1041.2
2.5°	1043.1	1044.4	1041.2	1041.9	1043.8
5°	1045.0	1046.3	1043.8	1045.7	1049.5
7.5°	1046.3	1048.8	1048.8	1053.3	1058.3
10°	1049.5	1052.0	1055.2	1064.0	1070.4
12.5°	1052.0	1056.4	1064.0	1078.6	1085.6
15°	1056.4	1063.4	1076.7	1097.0	1107.1
17.5°	1062.1	1072.3	1091.3	1117.9	1129.9
20°	1070.4	1083.7	1110.3	1141.9	1156.5
22.5°	1081.1	1098.9	1133.1	1170.4	1186.3
25°	1097.0	1119.8	1162.8	1204.0	1219.2
27.5°	1121.0	1149.5	1198.9	1240.1	1251.5
30°	1156.5	1192.0	1245.2	1273.7	1280.0
32.5°	1209.1	1254.7	1297.1	1306.6	1307.9
35°	1282.5	1338.3	1355.4	1333.2	1321.2
37.5°	1372.5	1434.6	1409.2	1343.3	1321.8
40°	1468.1	1518.8	1437.1	1335.1	1306.0
42.5°	1569.5	1566.9	1418.1	1299.0	1267.3
45°	1668.9	1566.3	1355.4	1236.9	1205.3
47.5°	1752.5	1518.8	1277.5	1160.3	1122.9
50°	1759.5	1456.7	1196.4	1067.2	1029.2
52.5°	1658.1	1395.3	1110.9	970.9	927.2
55°	1506.1	1321.2	1012.1	872.1	825.9
57.5°	1362.4	1224.3	904.4	770.2	724.6
60°	1219.8	1099.5	791.7	671.4	634.0
62.5°	1062.1	954.5	676.4	573.2	553.6
65°	898.1	795.5	560.5	485.8	480.1
67.5°	739.1	644.8	449.7	403.4	410.4
70°	581.4	509.2	356.6	345.8	356.6
72.5°	442.1	401.5	290.1	292.6	310.3
75°	337.6	309.1	255.9	243.8	267.9
77.5°	270.4	252.1	226.7	209.0	226.7
80°	222.3	217.9	198.2	177.3	183.0
82.5°	167.8	171.0	155.8	145.0	138.1
85°	112.1	122.2	110.2	100.7	89.9
87.5°	56.4	68.4	58.3	51.9	46.2
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	19.9	21.7	20.3	22.0	22.3	16.5	18.2	16.9	18.5	18.8
	3H	21.2	22.8	21.6	23.1	23.5	17.8	19.3	18.1	19.7	20.0
	4H	21.6	23.0	22.0	23.4	23.8	18.3	19.8	18.7	20.2	20.5
	6H	21.9	23.2	22.3	23.6	24.0	18.9	20.3	19.3	20.6	21.0
	8H	22.0	23.3	22.4	23.7	24.1	19.1	20.4	19.5	20.8	21.2
	12H	22.1	23.4	22.5	23.7	24.2	19.3	20.5	19.7	20.9	21.3
4H	2H	20.1	21.6	20.5	21.9	22.3	17.2	18.6	17.5	19.0	19.3
	3H	21.6	22.8	22.0	23.2	23.6	18.6	19.8	19.0	20.2	20.6
	4H	22.0	23.2	22.5	23.6	24.0	19.3	20.4	19.7	20.8	21.2
	6H	22.5	23.5	22.9	23.9	24.4	20.0	20.9	20.4	21.4	21.8
	8H	22.7	23.6	23.2	24.1	24.5	20.3	21.2	20.7	21.6	22.1
	12H	22.9	23.7	23.4	24.2	24.6	20.5	21.3	21.0	21.8	22.3
8H	4H	22.1	23.1	22.6	23.5	24.0	19.6	20.5	20.1	21.0	21.4
	6H	22.7	23.5	23.2	24.0	24.4	20.5	21.2	20.9	21.7	22.2
	8H	23.0	23.7	23.5	24.2	24.7	20.9	21.6	21.4	22.1	22.5
	12H	23.3	23.9	23.8	24.4	25.0	21.2	21.8	21.7	22.3	22.9
12H	4H	22.2	23.0	22.6	23.5	23.9	19.7	20.5	20.2	21.0	21.5
	6H	22.8	23.5	23.3	23.9	24.5	20.6	21.3	21.1	21.7	22.3
	8H	23.1	23.7	23.6	24.2	24.8	21.1	21.7	21.6	22.2	22.7















(END OF REPORT)