

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: P1584129

Luminaire Tested: 14CGSB-60-A125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584129
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-L835
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

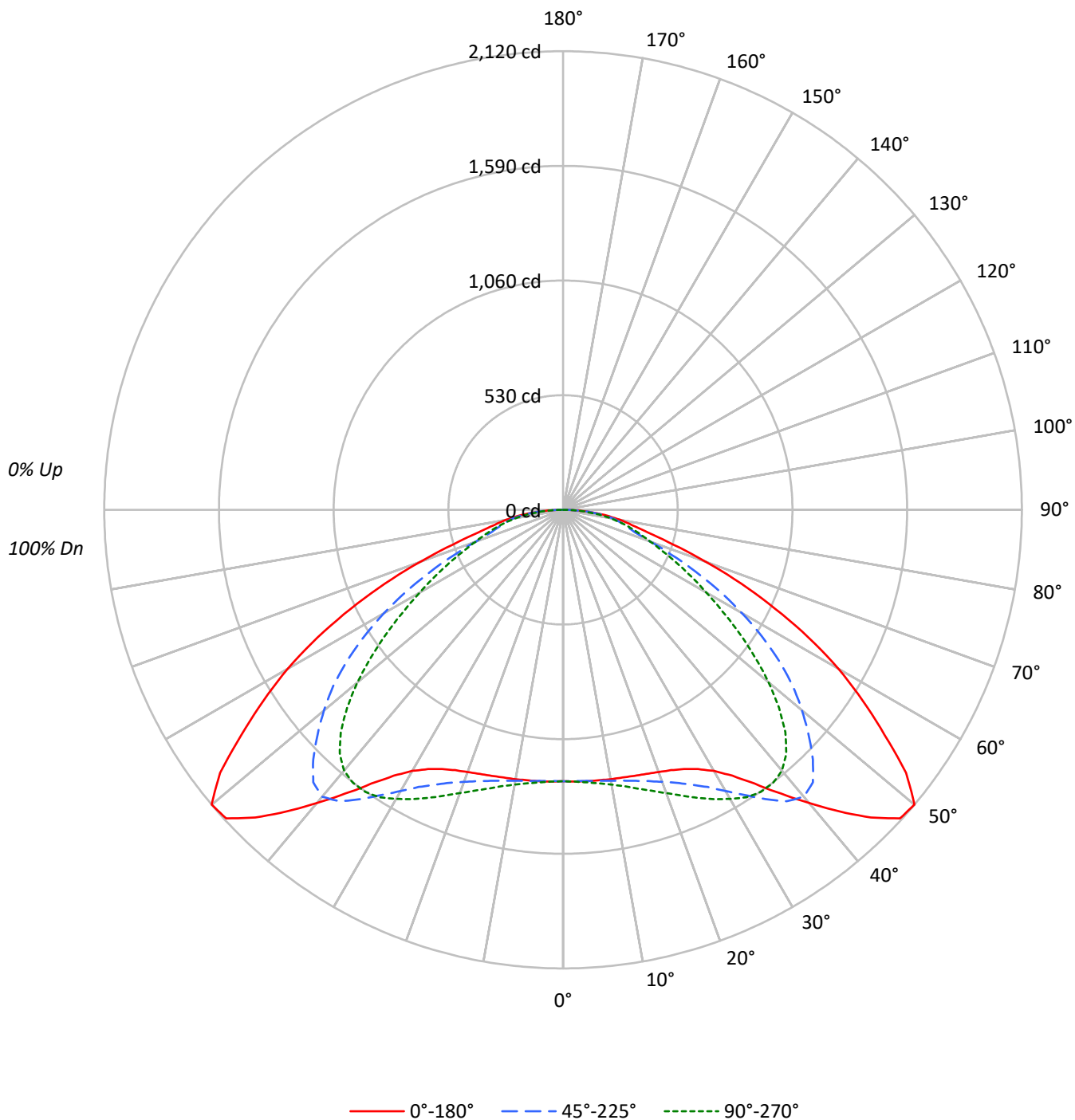
Lumens per Lamp: N/A
Luminaire Lumens: 5875.5 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3376	3376	3376
5°	3401	3397	3415
10°	3455	3474	3524
15°	3546	3614	3716
20°	3693	3831	3990
25°	3924	4160	4361
30°	4330	4662	4792
35°	5076	5365	5229
40°	6213	6082	5527
45°	7652	6215	5526
50°	8874	6035	5191
55°	8513	5721	4669
60°	7910	5134	4111
65°	6890	4300	3683
70°	5511	3380	3380
75°	4229	3205	3356
80°	4150	3701	3417
85°	4171	4100	3347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 8874 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	2.1
10°-20°	370.3	6.3
20°-30°	651.8	11.1
30°-40°	1009.7	17.2
40°-50°	1286.3	21.9
50°-60°	1170.3	19.9
60°-70°	758.9	12.9
70°-80°	369.1	6.3
80°-90°	138.3	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°	1142.9	19.5
0°-40°	2152.5	36.6
0°-60°	4609.2	78.4
0°-90°	5875.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5875.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1259	1261	1258	1260	1264	120
15°	1273	1281	1297	1322	1334	362
25°	1322	1349	1401	1451	1469	617
35°	1545	1612	1633	1606	1592	984
45°	2011	1887	1633	1490	1452	1545
55°	1815	1592	1219	1051	995	1620
65°	1082	958	675	585	578	1071
75°	407	372	308	294	323	461
85°	135	147	133	121	108	147
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.5	1254.5	1254.5	1254.5	1254.5
2.5°	1256.8	1258.3	1254.5	1255.3	1257.6
5°	1259.1	1260.6	1257.6	1259.8	1264.4
7.5°	1260.6	1263.7	1263.7	1269.0	1275.1
10°	1264.4	1267.5	1271.3	1282.0	1289.6
12.5°	1267.5	1272.8	1282.0	1299.5	1307.9
15°	1272.8	1281.2	1297.2	1321.7	1333.9
17.5°	1279.7	1291.9	1314.8	1346.8	1361.3
20°	1289.6	1305.6	1337.7	1375.8	1393.4
22.5°	1302.6	1323.9	1365.2	1410.2	1429.2
25°	1321.7	1349.1	1401.0	1450.6	1468.9
27.5°	1350.7	1385.0	1444.5	1494.1	1507.8
30°	1393.4	1436.1	1500.2	1534.6	1542.2
32.5°	1456.7	1511.7	1562.8	1574.2	1575.8
35°	1545.2	1612.4	1633.0	1606.3	1591.8
37.5°	1653.6	1728.4	1697.9	1618.5	1592.5
40°	1768.8	1829.9	1731.4	1608.6	1573.5
42.5°	1890.9	1887.9	1708.5	1565.1	1526.9
45°	2010.7	1887.1	1633.0	1490.3	1452.1
47.5°	2111.4	1829.9	1539.1	1398.0	1352.9
50°	2119.8	1755.1	1441.5	1285.8	1240.0
52.5°	1997.7	1681.1	1338.4	1169.8	1117.1
55°	1814.6	1591.8	1219.4	1050.8	995.1
57.5°	1641.4	1475.0	1089.7	927.9	873.0
60°	1469.7	1324.7	953.9	808.9	763.8
62.5°	1279.7	1150.0	815.0	690.6	666.9
65°	1082.0	958.4	675.3	585.3	578.4
67.5°	890.5	776.8	541.8	486.1	494.5
70°	700.5	613.5	429.6	416.6	429.6
72.5°	532.6	483.8	349.5	352.5	373.9
75°	406.7	372.4	308.3	293.8	322.8
77.5°	325.8	303.7	273.2	251.8	273.2
80°	267.8	262.5	238.8	213.7	220.5
82.5°	202.2	206.0	187.7	174.7	166.4
85°	135.1	147.3	132.8	121.3	108.4
87.5°	67.9	82.4	70.2	62.6	55.7
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	20.6	22.3	20.9	22.6	22.9	17.1	18.9	17.5	19.2	19.5
	3H	21.9	23.4	22.2	23.8	24.1	18.4	20.0	18.8	20.3	20.7
	4H	22.2	23.7	22.6	24.0	24.4	19.0	20.5	19.4	20.8	21.2
	6H	22.5	23.9	22.9	24.3	24.6	19.5	20.9	19.9	21.3	21.7
	8H	22.7	24.0	23.1	24.3	24.7	19.8	21.1	20.2	21.5	21.8
	12H	22.8	24.0	23.2	24.4	24.8	19.9	21.2	20.4	21.6	22.0
4H	2H	20.7	22.2	21.1	22.6	22.9	17.8	19.3	18.2	19.6	20.0
	3H	22.2	23.4	22.6	23.8	24.2	19.2	20.5	19.7	20.9	21.3
	4H	22.7	23.8	23.1	24.2	24.6	19.9	21.0	20.3	21.4	21.9
	6H	23.1	24.1	23.6	24.6	25.0	20.6	21.6	21.1	22.0	22.5
	8H	23.3	24.3	23.8	24.7	25.2	20.9	21.8	21.4	22.3	22.7
	12H	23.5	24.3	24.0	24.8	25.3	21.2	22.0	21.6	22.4	22.9
8H	4H	22.8	23.7	23.2	24.1	24.6	20.3	21.2	20.7	21.6	22.1
	6H	23.4	24.1	23.9	24.6	25.1	21.1	21.9	21.6	22.4	22.8
	8H	23.7	24.4	24.2	24.9	25.3	21.5	22.2	22.0	22.7	23.2
	12H	24.0	24.6	24.5	25.1	25.6	21.9	22.5	22.4	23.0	23.5
12H	4H	22.8	23.6	23.3	24.1	24.6	20.3	21.2	20.8	21.6	22.1
	6H	23.4	24.1	23.9	24.6	25.1	21.2	21.9	21.8	22.4	22.9
	8H	23.8	24.4	24.3	24.9	25.4	21.7	22.3	22.2	22.8	23.4















(END OF REPORT)