

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: P1584130

Luminaire Tested: 14CGSB-60-A125-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584130
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-L840
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

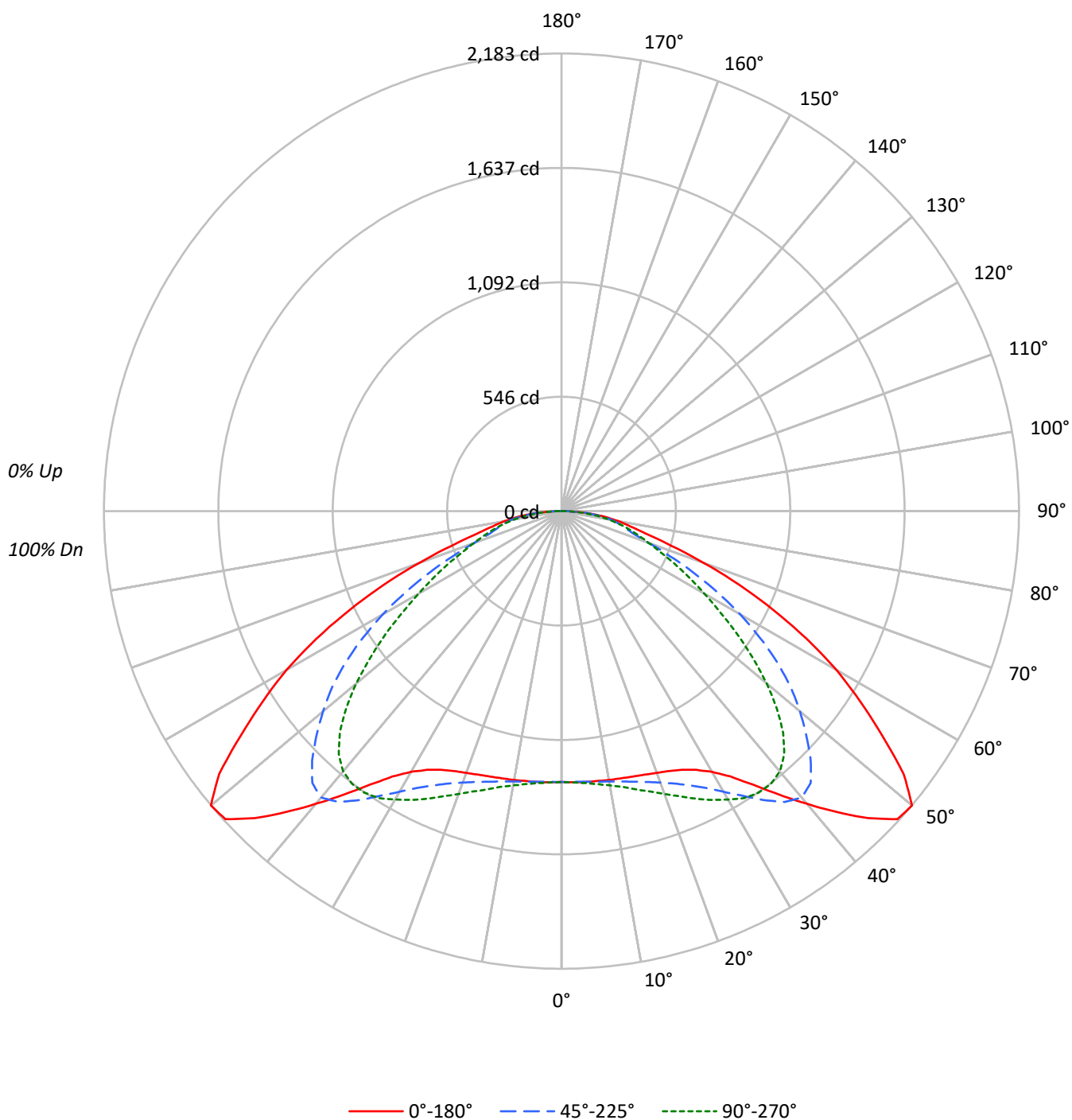
Lumens per Lamp: N/A
Luminaire Lumens: 6051.8 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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							
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°	3477	3477	3477
5°	3503	3499	3518
10°	3559	3578	3630
15°	3652	3723	3828
20°	3804	3946	4110
25°	4042	4285	4492
30°	4460	4801	4936
35°	5229	5526	5386
40°	6400	6265	5693
45°	7881	6401	5692
50°	9141	6216	5347
55°	8769	5893	4808
60°	8147	5288	4235
65°	7096	4429	3794
70°	5677	3482	3482
75°	4355	3301	3457
80°	4276	3812	3519
85°	4295	4224	3446

MAXIMUM LUMINANCE 45°-90°:

Luminance: 9141 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	2.1
10°-20°	381.4	6.3
20°-30°	671.4	11.1
30°-40°	1040.0	17.2
40°-50°	1324.9	21.9
50°-60°	1205.4	19.9
60°-70°	781.7	12.9
70°-80°	380.2	6.3
80°-90°	142.4	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°	1177.1	19.5
0°-40°	2217.1	36.6
0°-60°	4747.4	78.4
0°-90°	6051.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6051.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1292	1292	1292	1292	1292	
5°	1297	1298	1295	1298	1302	124
15°	1311	1320	1336	1361	1374	372
25°	1361	1390	1443	1494	1513	635
35°	1592	1661	1682	1654	1640	1014
45°	2071	1944	1682	1535	1496	1591
55°	1869	1640	1256	1082	1025	1669
65°	1114	987	696	603	596	1104
75°	419	384	318	303	332	475
85°	139	152	137	125	112	151
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1292.1	1292.1	1292.1	1292.1	1292.1
2.5°	1294.5	1296.1	1292.1	1292.9	1295.3
5°	1296.9	1298.4	1295.3	1297.6	1302.4
7.5°	1298.4	1301.6	1301.6	1307.1	1313.4
10°	1302.4	1305.5	1309.4	1320.4	1328.3
12.5°	1305.5	1311.0	1320.4	1338.5	1347.2
15°	1311.0	1319.6	1336.2	1361.3	1373.9
17.5°	1318.1	1330.7	1354.2	1387.2	1402.2
20°	1328.3	1344.8	1377.8	1417.1	1435.2
22.5°	1341.7	1363.7	1406.1	1452.5	1472.1
25°	1361.3	1389.6	1443.0	1494.1	1513.0
27.5°	1391.2	1426.5	1487.8	1538.9	1553.1
30°	1435.2	1479.2	1545.2	1580.6	1588.5
32.5°	1500.4	1557.0	1609.7	1621.5	1623.0
35°	1591.6	1660.8	1682.0	1654.5	1639.5
37.5°	1703.2	1780.2	1748.8	1667.0	1640.3
40°	1821.9	1884.8	1783.4	1656.8	1620.7
42.5°	1947.6	1944.5	1759.8	1612.0	1572.7
45°	2071.0	1943.7	1682.0	1535.0	1495.7
47.5°	2174.8	1884.8	1585.3	1439.9	1393.5
50°	2183.4	1807.7	1484.7	1324.4	1277.2
52.5°	2057.7	1731.5	1378.6	1204.9	1150.7
55°	1869.0	1639.5	1256.0	1082.3	1024.9
57.5°	1690.6	1519.3	1122.4	955.7	899.2
60°	1513.8	1364.4	982.5	833.1	786.8
62.5°	1318.1	1184.5	839.4	711.3	686.9
65°	1114.5	987.2	695.6	602.8	595.8
67.5°	917.2	800.1	558.0	500.7	509.3
70°	721.5	631.9	442.5	429.1	442.5
72.5°	548.6	498.3	360.0	363.1	385.1
75°	418.9	383.6	317.5	302.6	332.5
77.5°	335.6	312.8	281.4	259.4	281.4
80°	275.9	270.4	246.0	220.1	227.1
82.5°	208.3	212.2	193.3	180.0	171.3
85°	139.1	151.7	136.8	125.0	111.6
87.5°	70.0	84.9	72.3	64.4	57.4
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	20.7	22.4	21.1	22.7	23.0	17.2	19.0	17.6	19.3	19.6
	3H	22.0	23.5	22.3	23.9	24.2	18.5	20.1	18.9	20.4	20.8
	4H	22.3	23.8	22.7	24.1	24.5	19.1	20.6	19.5	20.9	21.3
	6H	22.6	24.0	23.0	24.4	24.7	19.6	21.0	20.0	21.4	21.8
	8H	22.8	24.1	23.2	24.5	24.8	19.9	21.2	20.3	21.6	22.0
	12H	22.9	24.1	23.3	24.5	24.9	20.0	21.3	20.5	21.7	22.1
4H	2H	20.8	22.3	21.2	22.7	23.0	17.9	19.4	18.3	19.7	20.1
	3H	22.3	23.5	22.7	23.9	24.3	19.4	20.6	19.8	21.0	21.4
	4H	22.8	23.9	23.2	24.3	24.7	20.0	21.1	20.5	21.5	22.0
	6H	23.2	24.2	23.7	24.7	25.1	20.7	21.7	21.2	22.1	22.6
	8H	23.4	24.4	23.9	24.8	25.3	21.0	21.9	21.5	22.4	22.8
	12H	23.6	24.5	24.1	24.9	25.4	21.3	22.1	21.7	22.6	23.0
8H	4H	22.9	23.8	23.4	24.3	24.7	20.4	21.3	20.8	21.7	22.2
	6H	23.5	24.2	24.0	24.7	25.2	21.2	22.0	21.7	22.5	22.9
	8H	23.8	24.5	24.3	25.0	25.4	21.6	22.3	22.1	22.8	23.3
	12H	24.1	24.7	24.6	25.2	25.7	22.0	22.6	22.5	23.1	23.6
12H	4H	22.9	23.7	23.4	24.2	24.7	20.4	21.3	20.9	21.7	22.2
	6H	23.5	24.2	24.0	24.7	25.2	21.3	22.0	21.9	22.5	23.0
	8H	23.9	24.5	24.4	25.0	25.5	21.8	22.4	22.3	22.9	23.5

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report















(END OF REPORT)