

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: P1584131

Luminaire Tested: 14CGSB-60-A125-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584131
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-L850
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

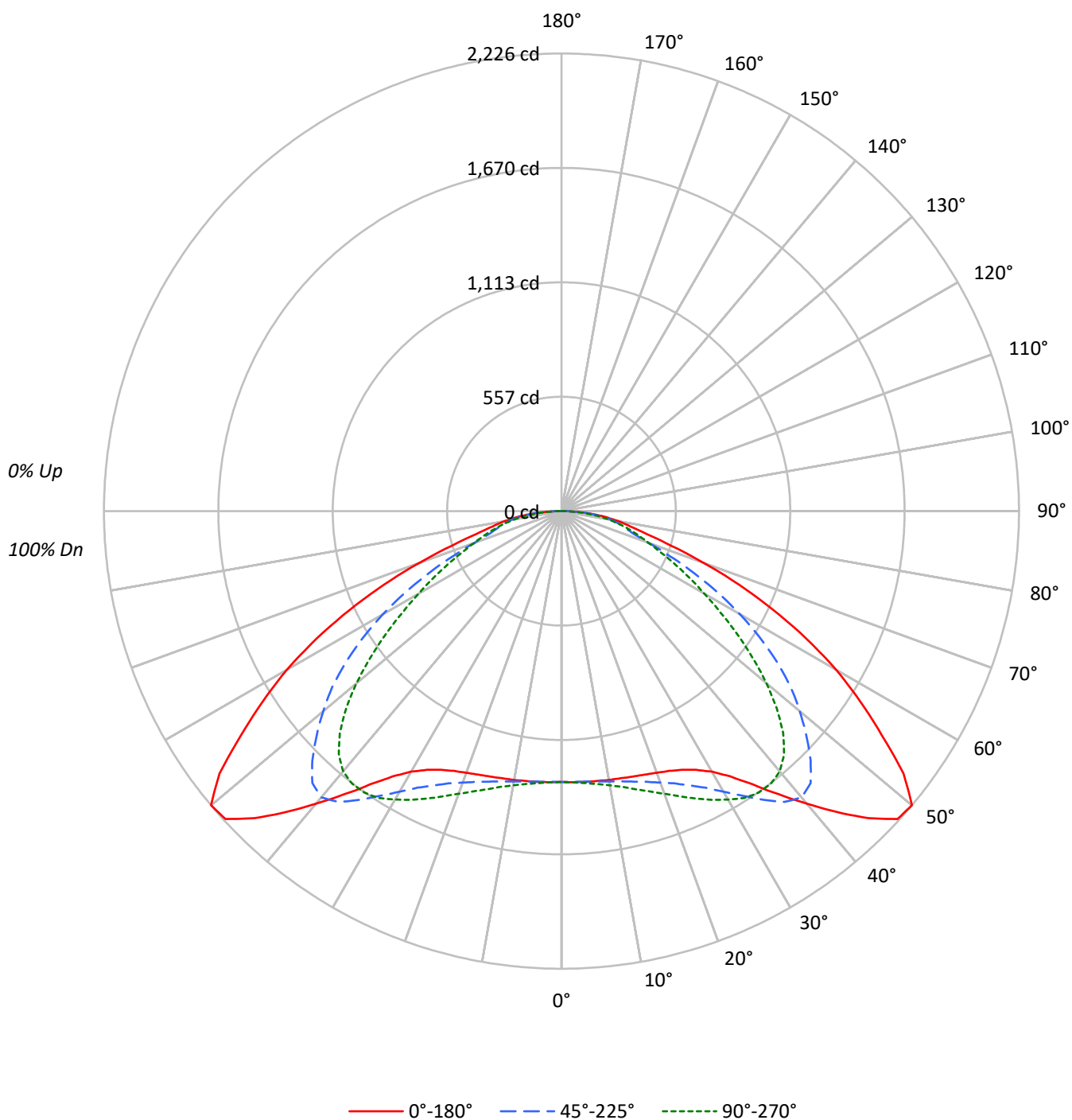
Lumens per Lamp: N/A
Luminaire Lumens: 6169.3 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 2.23 / 1.81 / 1.81
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3545	3545	3545
5°	3571	3567	3586
10°	3628	3648	3700
15°	3723	3795	3902
20°	3878	4022	4190
25°	4120	4368	4580
30°	4546	4895	5032
35°	5330	5633	5491
40°	6524	6386	5804
45°	8035	6525	5802
50°	9318	6336	5451
55°	8939	6007	4902
60°	8305	5390	4316
65°	7235	4515	3867
70°	5787	3549	3549
75°	4441	3366	3524
80°	4358	3887	3589
85°	4378	4304	3514

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 9318 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.8	2.1
10°-20°	388.8	6.3
20°-30°	684.4	11.1
30°-40°	1060.2	17.2
40°-50°	1350.6	21.9
50°-60°	1228.8	19.9
60°-70°	796.9	12.9
70°-80°	387.6	6.3
80°-90°	145.2	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°	1200.0	19.5
0°-40°	2260.2	36.6
0°-60°	4839.6	78.4
0°-90°	6169.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6169.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1322	1324	1320	1323	1328	126
15°	1336	1345	1362	1388	1401	380
25°	1388	1417	1471	1523	1542	647
35°	1622	1693	1715	1687	1671	1033
45°	2111	1982	1715	1565	1525	1622
55°	1905	1671	1280	1103	1045	1701
65°	1136	1006	709	614	607	1125
75°	427	391	324	308	339	484
85°	142	155	139	127	114	154
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1317.2	1317.2	1317.2	1317.2	1317.2
2.5°	1319.6	1321.2	1317.2	1318.0	1320.4
5°	1322.0	1323.6	1320.4	1322.8	1327.6
7.5°	1323.6	1326.8	1326.8	1332.5	1338.9
10°	1327.6	1330.9	1334.9	1346.1	1354.1
12.5°	1330.9	1336.5	1346.1	1364.5	1373.3
15°	1336.5	1345.3	1362.1	1387.7	1400.6
17.5°	1343.7	1356.5	1380.5	1414.2	1429.4
20°	1354.1	1370.9	1404.6	1444.6	1463.1
22.5°	1367.7	1390.1	1433.4	1480.7	1500.7
25°	1387.7	1416.6	1471.1	1523.1	1542.4
27.5°	1418.2	1454.2	1516.7	1568.8	1583.2
30°	1463.1	1507.9	1575.2	1611.3	1619.3
32.5°	1529.6	1587.2	1640.9	1652.9	1654.5
35°	1622.5	1693.0	1714.6	1686.6	1671.4
37.5°	1736.3	1814.8	1782.7	1699.4	1672.2
40°	1857.3	1921.4	1818.0	1689.0	1652.1
42.5°	1985.5	1982.3	1794.0	1643.3	1603.3
45°	2111.3	1981.5	1714.6	1564.8	1524.7
47.5°	2217.0	1921.4	1616.1	1467.9	1420.6
50°	2225.8	1842.8	1513.5	1350.1	1302.0
52.5°	2097.6	1765.1	1405.4	1228.3	1173.0
55°	1905.3	1671.4	1280.4	1103.3	1044.8
57.5°	1723.5	1548.8	1144.2	974.3	916.6
60°	1543.2	1390.9	1001.5	849.3	802.0
62.5°	1343.7	1207.5	855.7	725.1	700.3
65°	1136.2	1006.4	709.1	614.5	607.3
67.5°	935.0	815.7	568.9	510.4	519.2
70°	735.5	644.2	451.1	437.5	451.1
72.5°	559.3	508.0	367.0	370.2	392.6
75°	427.1	391.0	323.7	308.5	338.9
77.5°	342.1	318.9	286.8	264.4	286.8
80°	281.2	275.6	250.8	224.3	231.6
82.5°	212.3	216.3	197.1	183.5	174.7
85°	141.8	154.6	139.4	127.4	113.8
87.5°	71.3	86.5	73.7	65.7	58.5
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	20.8	22.5	21.1	22.8	23.1	17.3	19.0	17.7	19.3	19.7
	3H	22.0	23.6	22.4	23.9	24.3	18.6	20.2	19.0	20.5	20.8
	4H	22.4	23.9	22.8	24.2	24.6	19.2	20.6	19.6	21.0	21.4
	6H	22.7	24.1	23.1	24.4	24.8	19.7	21.1	20.1	21.4	21.8
	8H	22.8	24.1	23.2	24.5	24.9	19.9	21.2	20.3	21.6	22.0
	12H	22.9	24.2	23.4	24.6	25.0	20.1	21.4	20.5	21.7	22.2
4H	2H	20.9	22.4	21.3	22.7	23.1	18.0	19.4	18.4	19.8	20.2
	3H	22.4	23.6	22.8	24.0	24.4	19.4	20.7	19.8	21.0	21.4
	4H	22.9	24.0	23.3	24.4	24.8	20.1	21.2	20.5	21.6	22.0
	6H	23.3	24.3	23.8	24.7	25.2	20.8	21.8	21.2	22.2	22.6
	8H	23.5	24.4	24.0	24.9	25.3	21.1	22.0	21.5	22.4	22.9
	12H	23.7	24.5	24.2	25.0	25.5	21.3	22.1	21.8	22.6	23.1
8H	4H	23.0	23.9	23.4	24.3	24.8	20.4	21.3	20.9	21.8	22.3
	6H	23.5	24.3	24.0	24.8	25.3	21.3	22.0	21.8	22.5	23.0
	8H	23.8	24.5	24.3	25.0	25.5	21.7	22.4	22.2	22.9	23.4
	12H	24.1	24.7	24.6	25.2	25.8	22.0	22.7	22.5	23.1	23.7
12H	4H	23.0	23.8	23.5	24.3	24.7	20.5	21.3	21.0	21.8	22.3
	6H	23.6	24.3	24.1	24.7	25.3	21.4	22.1	21.9	22.6	23.1
	8H	23.9	24.5	24.4	25.0	25.6	21.9	22.5	22.4	23.0	23.5















(END OF REPORT)