

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: P1527343

Luminaire Tested: 24CGSB-40-A125-L940

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGSB-40-A125-L940
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

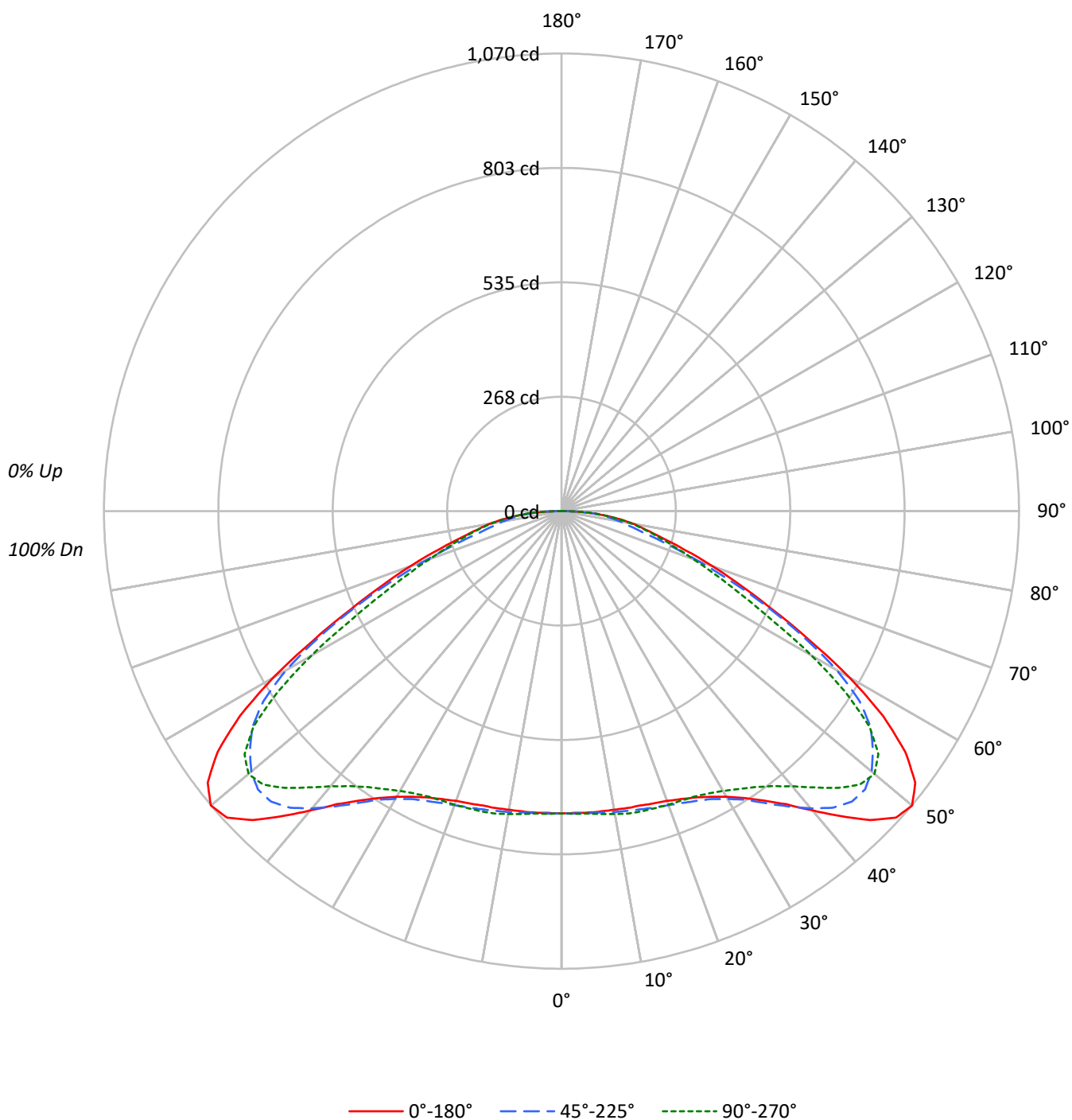
Lumens per Lamp: N/A
Luminaire Lumens: 3528.5 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 1.82 / 1.97
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82						
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66						
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54						
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	51	47	44						
5	72	58	48	41	70	57	48	41	55	46	40	53	45	40	51	44	39	37						
6	66	51	42	35	64	50	41	35	49	40	34	47	39	34	45	39	34	31						
7	61	46	36	30	59	45	36	30	43	35	29	42	35	29	41	34	29	27						
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23						
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20						
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	24	20	18						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	951	951	951
5°	956	957	959
10°	968	976	982
15°	992	1005	1012
20°	1032	1047	1045
25°	1097	1109	1093
30°	1198	1206	1173
35°	1357	1369	1293
40°	1604	1593	1474
45°	1944	1827	1741
50°	2241	1982	2000
55°	2303	2071	2064
60°	2093	2001	1817
65°	1731	1700	1482
70°	1478	1332	1288
75°	1280	1061	1220
80°	1326	1075	1283
85°	1340	1292	1425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2305 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	1.9
10°-20°	204.6	5.8
20°-30°	345.6	9.8
30°-40°	520.2	14.7
40°-50°	739.7	21.0
50°-60°	793.9	22.5
60°-70°	517.4	14.7
70°-80°	248.8	7.1
80°-90°	90.5	2.6
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°	618.0	17.5
0°-40°	1138.2	32.3
0°-60°	2671.8	75.7
0°-90°	3528.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3528.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	707	707	707	707	707	
5°	708	708	709	711	710	68
15°	712	716	722	726	726	202
25°	739	745	747	740	736	344
35°	826	842	833	805	788	524
45°	1022	996	960	935	915	784
55°	982	957	883	857	880	859
65°	544	540	534	476	466	550
75°	246	233	204	232	235	270
85°	87	81	84	86	92	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	706.9	706.9	706.9	706.9	706.9
2.5°	706.2	706.9	707.5	708.1	708.1
5°	707.5	708.1	708.7	711.1	709.9
7.5°	708.1	708.7	710.5	714.2	714.2
10°	708.7	710.5	714.2	717.8	719.1
12.5°	711.1	713.0	717.8	722.7	724.0
15°	712.4	716.0	721.5	725.8	726.4
17.5°	716.6	720.3	726.4	728.2	728.2
20°	720.9	725.8	731.3	731.3	730.1
22.5°	728.8	734.3	738.6	735.0	732.5
25°	738.6	745.3	747.2	740.5	736.2
27.5°	752.7	761.2	758.8	749.6	744.1
30°	771.0	782.0	776.5	763.1	755.1
32.5°	795.4	808.9	799.7	782.6	770.4
35°	826.0	841.9	833.3	805.2	787.5
37.5°	863.9	880.4	870.0	833.9	810.1
40°	913.3	921.9	907.2	868.1	839.4
42.5°	967.1	962.8	940.2	904.2	876.1
45°	1021.5	996.4	960.4	935.3	915.2
47.5°	1060.6	1014.2	962.8	950.0	946.3
50°	1070.4	1010.5	946.9	942.1	955.5
52.5°	1042.9	990.9	918.2	909.7	934.1
55°	981.8	956.7	882.8	857.1	879.7
57.5°	892.0	890.1	826.6	780.8	786.9
60°	777.7	785.1	743.5	678.7	675.1
62.5°	654.3	658.6	640.3	573.1	560.2
65°	543.7	539.5	534.0	476.5	465.5
67.5°	452.7	439.9	431.3	396.5	391.0
70°	375.7	355.6	338.5	333.0	327.5
72.5°	304.2	289.6	262.1	277.4	276.8
75°	246.2	232.8	204.1	232.2	234.6
77.5°	201.6	192.4	165.0	190.6	198.6
80°	171.1	152.1	138.7	155.2	165.6
82.5°	130.7	116.1	113.0	119.7	129.5
85°	86.8	81.3	83.7	86.1	92.3
87.5°	44.0	47.0	50.7	55.0	58.0
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	16.2	18.0	16.6	18.3	18.6	15.3	17.1	15.7	17.4	17.7
	3H	17.3	18.9	17.7	19.3	19.6	16.4	18.1	16.8	18.4	18.7
	4H	17.7	19.2	18.1	19.6	20.0	16.9	18.4	17.3	18.8	19.2
	6H	18.1	19.5	18.5	19.9	20.2	17.4	18.8	17.8	19.1	19.5
	8H	18.2	19.6	18.7	20.0	20.4	17.5	18.9	18.0	19.3	19.7
	12H	18.4	19.7	18.8	20.0	20.5	17.7	19.0	18.2	19.4	19.8
4H	2H	16.6	18.2	17.0	18.5	18.9	15.9	17.4	16.3	17.7	18.1
	3H	17.9	19.2	18.3	19.6	20.0	17.2	18.5	17.6	18.9	19.3
	4H	18.4	19.6	18.8	20.0	20.4	17.8	18.9	18.2	19.3	19.8
	6H	18.9	19.9	19.4	20.4	20.8	18.4	19.4	18.8	19.8	20.3
	8H	19.1	20.1	19.6	20.5	21.0	18.6	19.6	19.1	20.0	20.5
	12H	19.3	20.2	19.8	20.7	21.1	18.9	19.7	19.3	20.2	20.7
8H	4H	18.6	19.5	19.0	20.0	20.4	18.0	18.9	18.4	19.4	19.8
	6H	19.2	20.0	19.7	20.5	20.9	18.7	19.5	19.2	20.0	20.4
	8H	19.5	20.2	20.0	20.7	21.2	19.0	19.8	19.5	20.3	20.7
	12H	19.8	20.4	20.3	20.9	21.4	19.4	20.0	19.9	20.5	21.1
12H	4H	18.6	19.5	19.1	19.9	20.4	18.0	18.9	18.5	19.4	19.8
	6H	19.2	20.0	19.8	20.4	21.0	18.8	19.5	19.3	19.9	20.5
	8H	19.6	20.2	20.1	20.7	21.3	19.2	19.8	19.7	20.3	20.8













(END OF REPORT)