

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: P1584185

Luminaire Tested: 14CGSB-50-F125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P1527393)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGSB-50-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

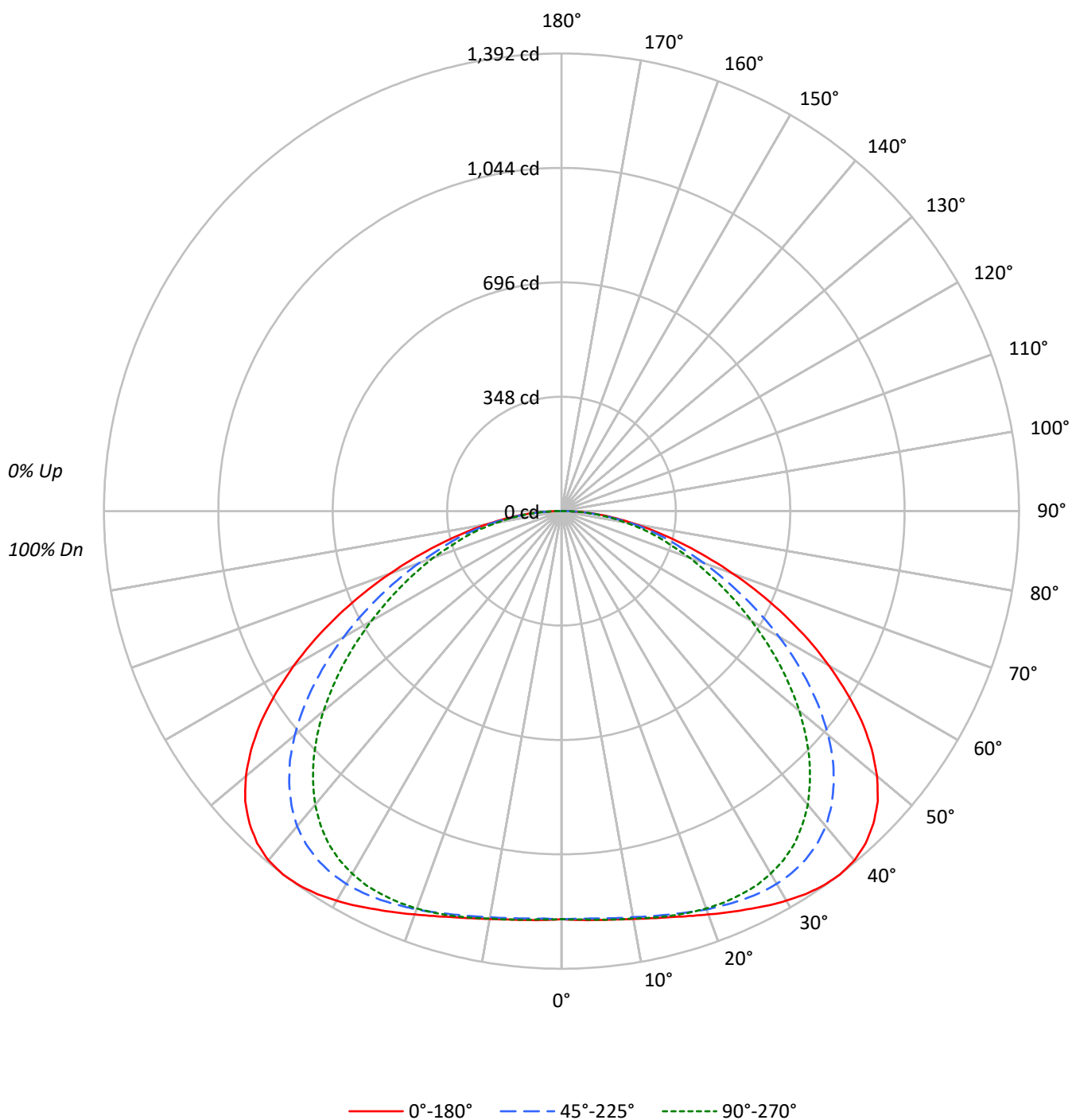
Lumens per Lamp: N/A
Luminaire Lumens: 4755.9 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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

TEST NUMBER: P1584185

CATALOG NUMBER: 14CGSB-50-F125-L835

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	94	105	101	97	93	96	93	90		93	90	87		89	87	85		82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70		68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58		56
4	81	68	59	52	78	67	58	52	64	57	51		62	56	50		60	54	50		47
5	74	61	51	44	72	59	51	44	57	50	44		55	48	43		53	47	43		40
6	68	54	45	38	66	53	44	38	51	44	38		50	43	37		48	42	37		35
7	63	49	40	33	61	48	39	33	46	39	33		45	38	33		44	37	32		30
8	58	44	36	29	57	44	35	29	42	35	29		41	34	29		40	34	29		27
9	54	41	32	26	53	40	32	26	39	31	26		38	31	26		37	30	26		24
10	51	37	29	24	50	37	29	24	36	28	23		35	28	23		34	28	23		21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3340	3340	3340
5°	3373	3359	3369
10°	3442	3427	3439
15°	3561	3539	3551
20°	3739	3693	3684
25°	3969	3873	3823
30°	4252	4068	3956
35°	4566	4252	4059
40°	4872	4397	4096
45°	5110	4459	4059
50°	5248	4434	3957
55°	5234	4312	3790
60°	5060	4115	3594
65°	4765	3864	3398
70°	4360	3618	3266
75°	3923	3484	3154
80°	3587	3384	3048
85°	3449	3239	3047

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 5259 cd/sqm

TEST NUMBER: P1584185

CATALOG NUMBER: 14CGSB-50-F125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	2.5
10°-20°	361.6	7.6
20°-30°	605.2	12.7
30°-40°	815.4	17.1
40°-50°	914.6	19.2
50°-60°	839.3	17.6
60°-70°	620.7	13.1
70°-80°	361.1	7.6
80°-90°	118.7	2.5
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°	1086.1	22.8
0°-40°	1901.5	40.0
0°-60°	3655.4	76.9
0°-90°	4755.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4755.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1248	1248	1244	1244	1247	119
15°	1278	1276	1270	1272	1275	364
25°	1337	1327	1304	1290	1288	620
35°	1390	1361	1294	1249	1236	871
45°	1343	1292	1172	1092	1067	1032
55°	1116	1052	919	833	808	991
65°	748	703	607	552	534	740
75°	377	372	335	308	303	404
85°	112	115	105	106	99	123
90°	0	0	0	0	0	

TEST NUMBER: P1584185

CATALOG NUMBER: 14CGSB-50-F125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1244.8	1244.8	1240.4	1241.7	1242.9
5°	1248.5	1247.9	1243.5	1244.2	1247.3
7.5°	1252.8	1252.8	1248.5	1248.5	1252.8
10°	1259.7	1258.4	1254.1	1255.3	1258.4
12.5°	1268.4	1265.9	1261.5	1262.8	1266.5
15°	1278.3	1275.8	1270.2	1271.5	1274.6
17.5°	1291.3	1287.6	1279.5	1279.5	1281.4
20°	1305.6	1299.4	1289.5	1284.5	1286.4
22.5°	1321.1	1313.0	1296.9	1288.2	1288.8
25°	1336.6	1326.7	1304.4	1290.1	1287.6
27.5°	1353.4	1339.1	1308.7	1288.8	1283.9
30°	1368.3	1350.3	1309.3	1282.0	1273.3
32.5°	1381.3	1357.7	1305.0	1269.0	1257.8
35°	1390.0	1360.8	1294.4	1249.1	1235.5
37.5°	1392.5	1357.1	1277.0	1221.8	1203.8
40°	1386.9	1345.3	1251.6	1185.8	1166.0
42.5°	1370.1	1324.2	1215.6	1142.4	1118.8
45°	1342.8	1291.9	1171.6	1092.1	1066.7
47.5°	1305.0	1247.3	1120.1	1034.4	1007.7
50°	1253.5	1192.7	1059.2	971.7	945.1
52.5°	1189.6	1126.3	991.6	905.4	876.8
55°	1115.7	1051.8	919.0	833.4	807.9
57.5°	1029.5	970.5	842.7	761.4	737.2
60°	940.1	884.3	764.5	689.4	667.7
62.5°	845.8	794.9	685.7	618.0	599.4
65°	748.4	703.1	606.9	551.6	533.7
67.5°	650.9	616.2	531.8	482.8	472.8
70°	554.1	528.1	459.8	427.5	415.1
72.5°	462.3	448.6	391.6	369.8	353.1
75°	377.3	372.3	335.1	308.4	303.4
77.5°	300.3	307.8	275.5	256.3	251.9
80°	231.5	238.9	218.4	202.3	196.7
82.5°	168.8	178.7	158.2	154.5	148.9
85°	111.7	114.8	104.9	106.1	98.7
87.5°	54.6	60.8	55.2	57.1	53.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584185

CATALOG NUMBER: 14CGSB-50-F125-L835

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	18.4	20.1	18.8	20.4	20.7	16.6	18.3	17.0	18.6	18.9
	3H	20.1	21.7	20.5	22.0	22.4	18.3	19.8	18.7	20.2	20.5
	4H	20.8	22.2	21.2	22.6	23.0	19.0	20.5	19.4	20.8	21.2
	6H	21.3	22.6	21.7	23.0	23.4	19.6	20.9	20.0	21.3	21.7
	8H	21.4	22.7	21.9	23.1	23.5	19.8	21.1	20.2	21.5	21.9
	12H	21.6	22.8	22.0	23.2	23.6	20.0	21.2	20.4	21.6	22.0
4H	2H	18.8	20.3	19.2	20.6	21.0	17.4	18.8	17.8	19.2	19.5
	3H	20.8	22.0	21.2	22.4	22.8	19.3	20.5	19.7	20.9	21.3
	4H	21.6	22.7	22.0	23.1	23.6	20.1	21.2	20.5	21.6	22.1
	6H	22.3	23.2	22.7	23.7	24.1	20.8	21.8	21.3	22.2	22.7
	8H	22.5	23.4	23.0	23.8	24.3	21.1	22.0	21.6	22.5	22.9
	12H	22.7	23.5	23.2	24.0	24.5	21.3	22.2	21.8	22.6	23.1
8H	4H	21.8	22.8	22.3	23.2	23.7	20.5	21.4	21.0	21.9	22.4
	6H	22.6	23.4	23.1	23.9	24.4	21.4	22.2	21.9	22.6	23.1
	8H	23.0	23.7	23.5	24.2	24.7	21.8	22.4	22.3	22.9	23.4
	12H	23.3	23.9	23.8	24.4	24.9	22.1	22.7	22.6	23.2	23.7
12H	4H	21.9	22.7	22.4	23.2	23.6	20.6	21.4	21.1	21.9	22.4
	6H	22.7	23.4	23.2	23.9	24.4	21.5	22.2	22.0	22.7	23.2
	8H	23.1	23.7	23.6	24.2	24.8	21.9	22.5	22.4	23.0	23.6













(END OF REPORT)