

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: P1584171

Luminaire Tested: 14CGSB-40-F125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584171
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-40-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

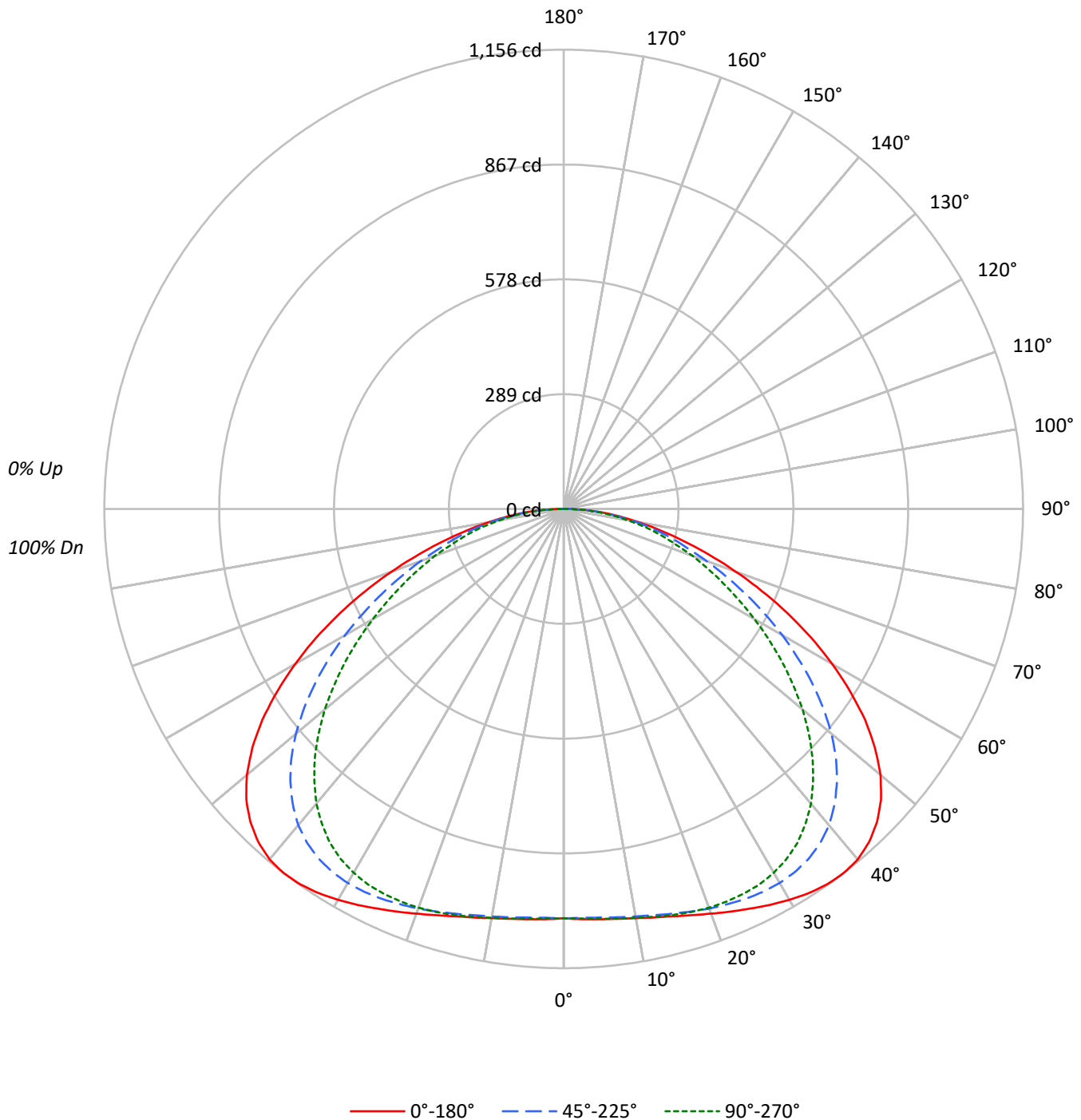
Lumens per Lamp: N/A
Luminaire Lumens: 3948.5 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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: P1584171

CATALOG NUMBER: 14CGSB-40-F125-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1584171

CATALOG NUMBER: 14CGSB-40-F125-L835

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°	2773	2773	2773
5°	2800	2789	2797
10°	2858	2845	2855
15°	2957	2938	2948
20°	3104	3066	3058
25°	3295	3215	3174
30°	3530	3378	3285
35°	3791	3530	3370
40°	4045	3650	3400
45°	4243	3702	3370
50°	4357	3682	3285
55°	4346	3580	3147
60°	4201	3416	2983
65°	3956	3209	2821
70°	3620	3004	2712
75°	3256	2892	2619
80°	2978	2810	2531
85°	2862	2689	2529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 4366 cd/sqm

TEST NUMBER: P1584171

CATALOG NUMBER: 14CGSB-40-F125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	2.5
10°-20°	300.2	7.6
20°-30°	502.4	12.7
30°-40°	677.0	17.1
40°-50°	759.3	19.2
50°-60°	696.8	17.6
60°-70°	515.4	13.1
70°-80°	299.8	7.6
80°-90°	98.6	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°	901.7	22.8
0°-40°	1578.7	40.0
0°-60°	3034.8	76.9
0°-90°	3948.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3948.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1037	1036	1032	1033	1036	99
15°	1061	1059	1055	1056	1058	302
25°	1110	1102	1083	1071	1069	514
35°	1154	1130	1075	1037	1026	723
45°	1115	1073	973	907	886	857
55°	926	873	763	692	671	823
65°	621	584	504	458	443	614
75°	313	309	278	256	252	335
85°	93	95	87	88	82	102
90°	0	0	0	0	0	

TEST NUMBER: P1584171

CATALOG NUMBER: 14CGSB-40-F125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1030.4	1030.4	1030.4	1030.4	1030.4
2.5°	1033.5	1033.5	1029.9	1030.9	1031.9
5°	1036.6	1036.0	1032.4	1032.9	1035.5
7.5°	1040.2	1040.2	1036.6	1036.6	1040.2
10°	1045.8	1044.8	1041.2	1042.2	1044.8
12.5°	1053.0	1051.0	1047.4	1048.4	1051.5
15°	1061.3	1059.2	1054.6	1055.6	1058.2
17.5°	1072.1	1069.0	1062.3	1062.3	1063.9
20°	1083.9	1078.8	1070.6	1066.4	1068.0
22.5°	1096.8	1090.1	1076.7	1069.5	1070.0
25°	1109.7	1101.5	1082.9	1071.1	1069.0
27.5°	1123.6	1111.8	1086.5	1070.0	1065.9
30°	1136.0	1121.0	1087.0	1064.4	1057.2
32.5°	1146.8	1127.2	1083.4	1053.6	1044.3
35°	1154.0	1129.8	1074.7	1037.1	1025.7
37.5°	1156.1	1126.7	1060.2	1014.4	999.5
40°	1151.4	1116.9	1039.1	984.5	968.0
42.5°	1137.5	1099.4	1009.2	948.5	928.9
45°	1114.9	1072.6	972.7	906.7	885.6
47.5°	1083.4	1035.5	929.9	858.8	836.7
50°	1040.7	990.2	879.4	806.8	784.6
52.5°	987.6	935.1	823.3	751.7	728.0
55°	926.3	873.2	763.0	691.9	670.8
57.5°	854.7	805.7	699.6	632.1	612.0
60°	780.5	734.1	634.7	572.4	554.3
62.5°	702.2	660.0	569.3	513.1	497.7
65°	621.3	583.7	503.9	458.0	443.1
67.5°	540.4	511.6	441.5	400.8	392.6
70°	460.1	438.4	381.8	355.0	344.7
72.5°	383.8	372.5	325.1	307.0	293.1
75°	313.2	309.1	278.2	256.0	251.9
77.5°	249.3	255.5	228.7	212.8	209.2
80°	192.2	198.3	181.3	168.0	163.3
82.5°	140.1	148.4	131.4	128.3	123.6
85°	92.7	95.3	87.1	88.1	81.9
87.5°	45.3	50.5	45.9	47.4	44.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584171

CATALOG NUMBER: 14CGSB-40-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	17.7	19.4	18.1	19.8	20.1	15.9	17.6	16.3	18.0	18.3
	3H	19.5	21.0	19.9	21.4	21.7	17.7	19.2	18.0	19.5	19.9
	4H	20.1	21.6	20.5	21.9	22.3	18.4	19.8	18.8	20.2	20.5
	6H	20.6	22.0	21.0	22.3	22.7	18.9	20.3	19.3	20.6	21.0
	8H	20.8	22.1	21.2	22.5	22.9	19.2	20.4	19.6	20.8	21.2
	12H	20.9	22.2	21.4	22.5	23.0	19.3	20.6	19.8	20.9	21.4
4H	2H	18.2	19.6	18.6	20.0	20.3	16.7	18.2	17.1	18.5	18.9
	3H	20.2	21.4	20.6	21.8	22.2	18.6	19.9	19.1	20.3	20.7
	4H	21.0	22.1	21.4	22.5	22.9	19.5	20.6	19.9	21.0	21.4
	6H	21.6	22.6	22.1	23.0	23.5	20.2	21.1	20.6	21.6	22.0
	8H	21.9	22.8	22.3	23.2	23.7	20.5	21.4	20.9	21.8	22.3
	12H	22.0	22.9	22.5	23.3	23.8	20.7	21.5	21.2	22.0	22.4
8H	4H	21.2	22.1	21.7	22.6	23.0	19.9	20.8	20.3	21.2	21.7
	6H	22.0	22.8	22.5	23.2	23.7	20.7	21.5	21.2	22.0	22.5
	8H	22.3	23.0	22.8	23.5	24.0	21.1	21.8	21.6	22.3	22.8
	12H	22.6	23.2	23.1	23.7	24.3	21.4	22.1	21.9	22.5	23.1
12H	4H	21.2	22.1	21.7	22.5	23.0	20.0	20.8	20.4	21.3	21.7
	6H	22.1	22.8	22.6	23.2	23.8	20.9	21.6	21.4	22.0	22.5
	8H	22.5	23.1	23.0	23.6	24.1	21.3	21.9	21.8	22.4	22.9















(END OF REPORT)