

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: P1584182

Luminaire Tested: 14CGSB-45-F125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584182
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-45-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

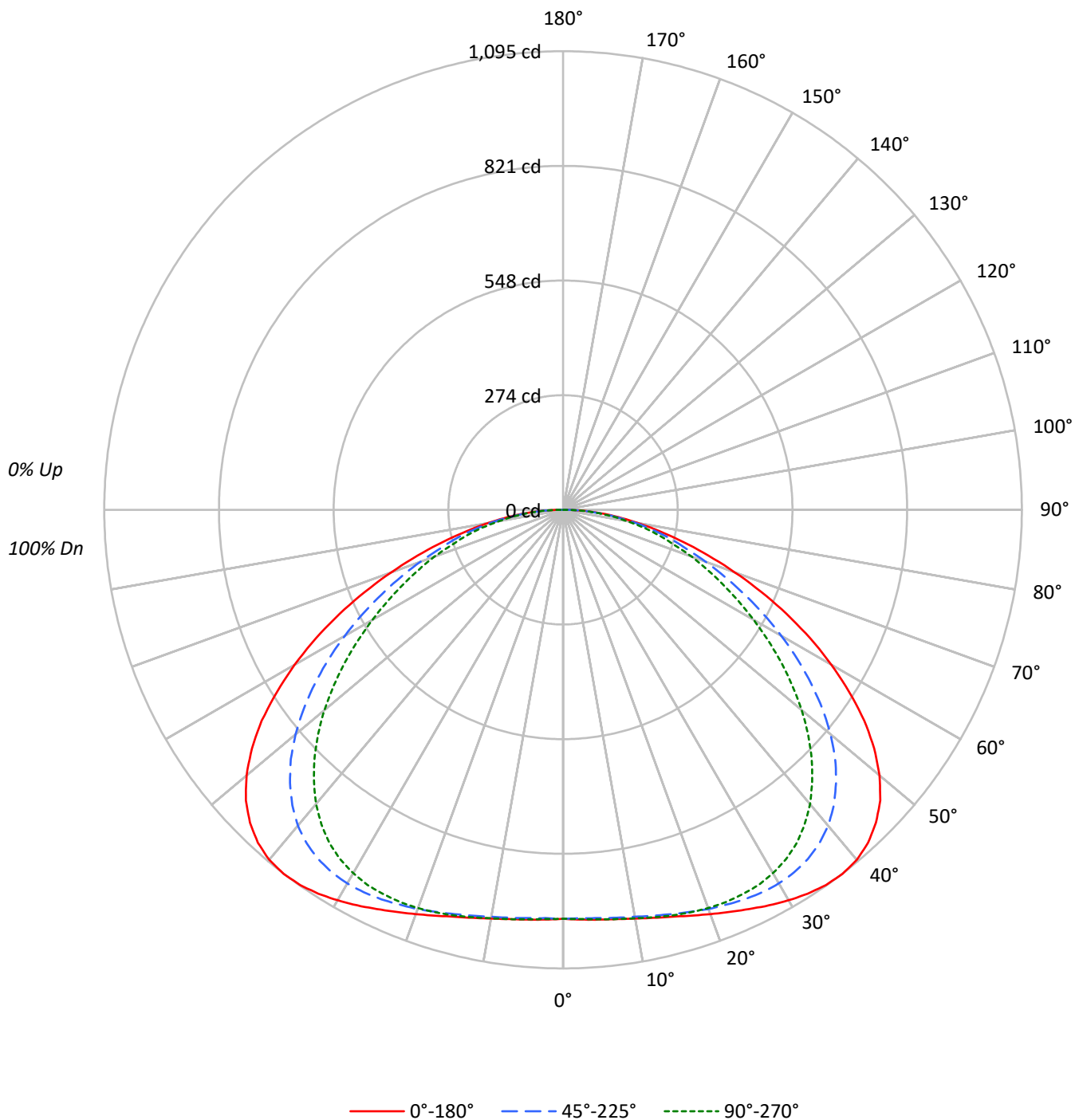
Lumens per Lamp: N/A
Luminaire Lumens: 3741.3 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.5
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: P1584182

CATALOG NUMBER: 14CGSB-45-F125-L935

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	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°	2627	2627	2627
5°	2653	2643	2650
10°	2708	2696	2705
15°	2802	2784	2793
20°	2941	2905	2898
25°	3122	3047	3007
30°	3345	3200	3113
35°	3592	3345	3193
40°	3832	3459	3222
45°	4020	3507	3193
50°	4128	3489	3113
55°	4118	3392	2982
60°	3980	3237	2827
65°	3748	3040	2673
70°	3430	2846	2570
75°	3086	2741	2482
80°	2822	2662	2397
85°	2714	2547	2396

MAXIMUM LUMINANCE 45°-90°:

Luminance: 4137 cd/sqm

TEST NUMBER: P1584182

CATALOG NUMBER: 14CGSB-45-F125-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	2.5
10°-20°	284.5	7.6
20°-30°	476.1	12.7
30°-40°	641.4	17.1
40°-50°	719.5	19.2
50°-60°	660.2	17.6
60°-70°	488.3	13.1
70°-80°	284.1	7.6
80°-90°	93.4	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°	854.4	22.8
0°-40°	1495.8	40.0
0°-60°	2875.5	76.9
0°-90°	3741.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3741.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	982	982	978	979	981	94
15°	1006	1004	999	1000	1003	286
25°	1052	1044	1026	1015	1013	488
35°	1094	1070	1018	983	972	685
45°	1056	1016	922	859	839	812
55°	878	827	723	656	636	780
65°	589	553	477	434	420	582
75°	297	293	264	243	239	318
85°	88	90	82	84	78	97
90°	0	0	0	0	0	

TEST NUMBER: P1584182

CATALOG NUMBER: 14CGSB-45-F125-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	976.3	976.3	976.3	976.3	976.3
2.5°	979.2	979.2	975.8	976.8	977.8
5°	982.2	981.7	978.3	978.7	981.2
7.5°	985.6	985.6	982.2	982.2	985.6
10°	990.9	990.0	986.5	987.5	990.0
12.5°	997.8	995.8	992.4	993.4	996.3
15°	1005.6	1003.6	999.2	1000.2	1002.7
17.5°	1015.8	1012.9	1006.6	1006.6	1008.0
20°	1027.1	1022.2	1014.4	1010.5	1011.9
22.5°	1039.3	1032.9	1020.2	1013.4	1013.9
25°	1051.5	1043.7	1026.1	1014.9	1012.9
27.5°	1064.7	1053.4	1029.5	1013.9	1010.0
30°	1076.4	1062.2	1030.0	1008.5	1001.7
32.5°	1086.6	1068.1	1026.6	998.3	989.5
35°	1093.5	1070.5	1018.3	982.6	971.9
37.5°	1095.4	1067.6	1004.6	961.2	947.0
40°	1091.0	1058.3	984.6	932.9	917.2
42.5°	1077.8	1041.7	956.3	898.7	880.1
45°	1056.4	1016.3	921.6	859.1	839.1
47.5°	1026.6	981.2	881.1	813.7	792.8
50°	986.1	938.2	833.3	764.4	743.5
52.5°	935.8	886.0	780.1	712.2	689.8
55°	877.7	827.4	722.9	655.6	635.6
57.5°	809.8	763.5	662.9	599.0	579.9
60°	739.5	695.6	601.4	542.3	525.2
62.5°	665.3	625.3	539.4	486.2	471.6
65°	588.7	553.1	477.4	434.0	419.8
67.5°	512.1	484.7	418.3	379.8	372.0
70°	435.9	415.4	361.7	336.3	326.6
72.5°	363.7	352.9	308.0	290.9	277.8
75°	296.8	292.9	263.6	242.6	238.7
77.5°	236.3	242.1	216.7	201.6	198.2
80°	182.1	187.9	171.8	159.1	154.7
82.5°	132.8	140.6	124.5	121.5	117.2
85°	87.9	90.3	82.5	83.5	77.6
87.5°	43.0	47.8	43.4	44.9	42.0
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	17.6	19.3	17.9	19.6	19.9	15.8	17.5	16.1	17.8	18.1
	3H	19.3	20.8	19.7	21.2	21.5	17.5	19.0	17.9	19.3	19.7
	4H	19.9	21.4	20.3	21.7	22.1	18.2	19.6	18.6	20.0	20.3
	6H	20.4	21.8	20.8	22.1	22.5	18.8	20.1	19.2	20.5	20.9
	8H	20.6	21.9	21.0	22.3	22.7	19.0	20.3	19.4	20.6	21.0
	12H	20.7	22.0	21.2	22.4	22.8	19.1	20.4	19.6	20.8	21.2
4H	2H	18.0	19.4	18.4	19.8	20.1	16.5	18.0	16.9	18.3	18.7
	3H	20.0	21.2	20.4	21.6	22.0	18.5	19.7	18.9	20.1	20.5
	4H	20.8	21.9	21.2	22.3	22.7	19.3	20.4	19.7	20.8	21.2
	6H	21.4	22.4	21.9	22.8	23.3	20.0	21.0	20.4	21.4	21.9
	8H	21.7	22.6	22.1	23.0	23.5	20.3	21.2	20.7	21.6	22.1
	12H	21.9	22.7	22.3	23.2	23.6	20.5	21.3	21.0	21.8	22.3
8H	4H	21.0	21.9	21.5	22.4	22.8	19.7	20.6	20.2	21.1	21.5
	6H	21.8	22.6	22.3	23.1	23.5	20.6	21.3	21.0	21.8	22.3
	8H	22.2	22.8	22.7	23.3	23.8	20.9	21.6	21.4	22.1	22.6
	12H	22.4	23.1	22.9	23.5	24.1	21.3	21.9	21.8	22.4	22.9
12H	4H	21.0	21.9	21.5	22.3	22.8	19.8	20.6	20.2	21.1	21.5
	6H	21.9	22.6	22.4	23.0	23.6	20.7	21.4	21.2	21.8	22.4
	8H	22.3	22.9	22.8	23.4	23.9	21.1	21.7	21.6	22.2	22.8















(END OF REPORT)