

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: P1584143

Luminaire Tested: 14CGSB-20-F125-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584143
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-20-F125-L835
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

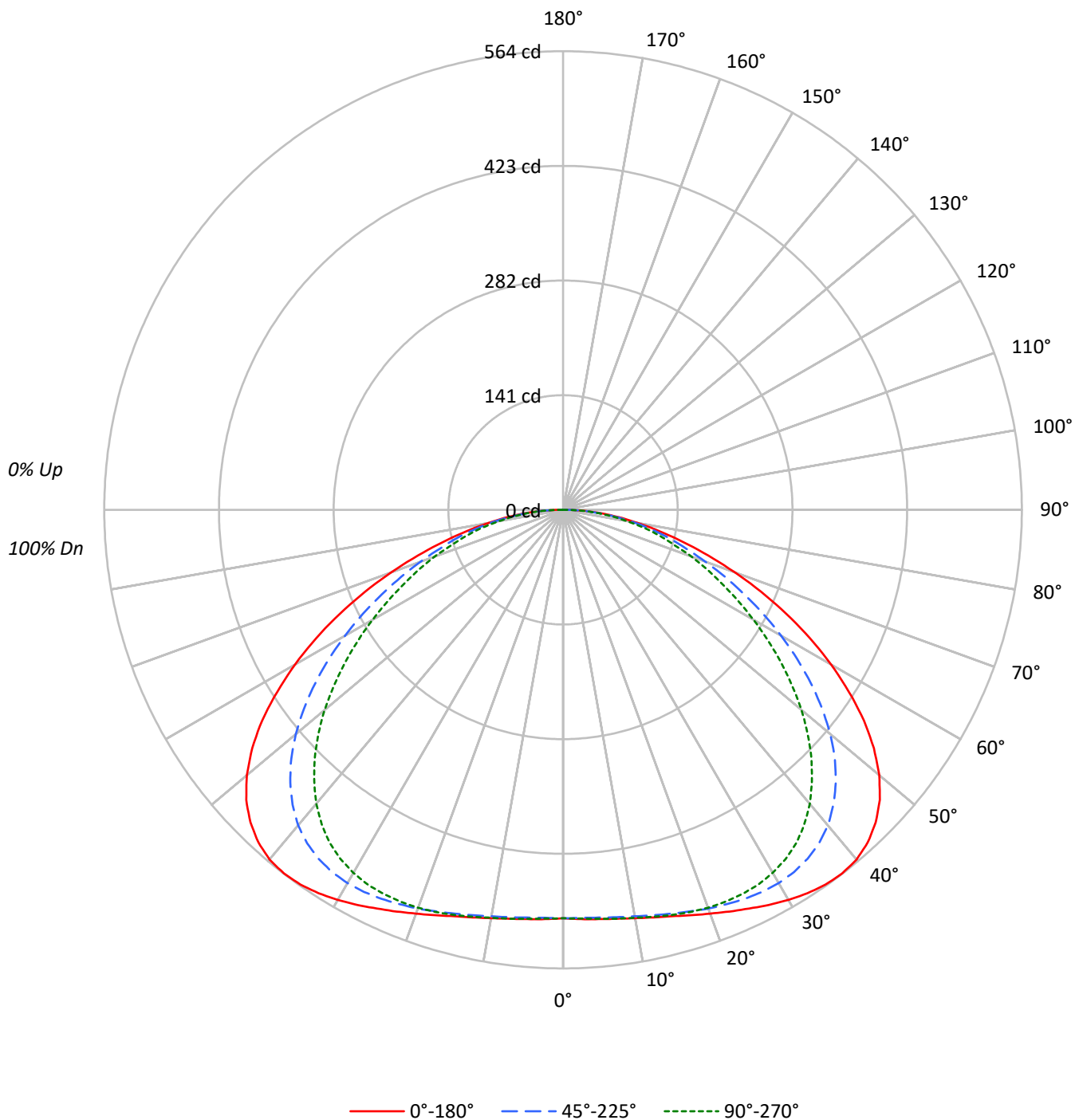
Lumens per Lamp: N/A
Luminaire Lumens: 1925.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1584143

CATALOG NUMBER: 14CGSB-20-F125-L835

Luminous Intensity Polar Plot





TEST NUMBER: P1584143

CATALOG NUMBER: 14CGSB-20-F125-L835

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°	1352	1352	1352
5°	1365	1360	1364
10°	1393	1387	1392
15°	1441	1432	1437
20°	1513	1495	1491
25°	1606	1567	1548
30°	1721	1647	1601
35°	1848	1721	1643
40°	1972	1780	1658
45°	2068	1805	1643
50°	2124	1795	1601
55°	2119	1745	1534
60°	2048	1665	1455
65°	1929	1564	1375
70°	1765	1464	1322
75°	1588	1410	1277
80°	1452	1370	1234
85°	1396	1309	1232

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2128 cd/sqm

TEST NUMBER: P1584143

CATALOG NUMBER: 14CGSB-20-F125-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	2.5
10°-20°	146.4	7.6
20°-30°	244.9	12.7
30°-40°	330.0	17.1
40°-50°	370.2	19.2
50°-60°	339.7	17.6
60°-70°	251.2	13.1
70°-80°	146.2	7.6
80°-90°	48.0	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°	439.6	22.8
0°-40°	769.6	40.0
0°-60°	1479.5	76.9
0°-90°	1925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1925.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	502	502	502	502	502	
5°	505	505	503	504	505	48
15°	517	516	514	515	516	147
25°	541	537	528	522	521	251
35°	563	551	524	506	500	352
45°	544	523	474	442	432	418
55°	452	426	372	337	327	401
65°	303	285	246	223	216	300
75°	153	151	136	125	123	164
85°	45	46	42	43	40	50
90°	0	0	0	0	0	

TEST NUMBER: P1584143

CATALOG NUMBER: 14CGSB-20-F125-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	502.3	502.3	502.3	502.3	502.3
2.5°	503.8	503.8	502.1	502.6	503.1
5°	505.3	505.1	503.3	503.6	504.8
7.5°	507.1	507.1	505.3	505.3	507.1
10°	509.9	509.4	507.6	508.1	509.4
12.5°	513.4	512.4	510.6	511.1	512.6
15°	517.4	516.4	514.1	514.6	515.9
17.5°	522.7	521.2	517.9	517.9	518.7
20°	528.4	525.9	521.9	519.9	520.7
22.5°	534.7	531.5	524.9	521.4	521.7
25°	541.0	537.0	527.9	522.2	521.2
27.5°	547.8	542.0	529.7	521.7	519.7
30°	553.8	546.5	530.0	518.9	515.4
32.5°	559.1	549.5	528.2	513.6	509.1
35°	562.6	550.8	523.9	505.6	500.1
37.5°	563.6	549.3	516.9	494.5	487.3
40°	561.3	544.5	506.6	480.0	471.9
42.5°	554.6	536.0	492.0	462.4	452.8
45°	543.5	522.9	474.2	442.0	431.7
47.5°	528.2	504.8	453.3	418.7	407.9
50°	507.3	482.7	428.7	393.3	382.5
52.5°	481.5	455.9	401.4	366.4	354.9
55°	451.6	425.7	372.0	337.3	327.0
57.5°	416.7	392.8	341.1	308.2	298.4
60°	380.5	357.9	309.4	279.0	270.3
62.5°	342.3	321.7	277.5	250.2	242.6
65°	302.9	284.6	245.6	223.3	216.0
67.5°	263.5	249.4	215.2	195.4	191.4
70°	224.3	213.7	186.1	173.1	168.0
72.5°	187.1	181.6	158.5	149.7	142.9
75°	152.7	150.7	135.6	124.8	122.8
77.5°	121.6	124.6	111.5	103.7	102.0
80°	93.7	96.7	88.4	81.9	79.6
82.5°	68.3	72.3	64.0	62.5	60.3
85°	45.2	46.5	42.4	42.9	39.9
87.5°	22.1	24.6	22.4	23.1	21.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584143

CATALOG NUMBER: 14CGSB-20-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	15.2	16.9	15.6	17.3	17.6	13.4	15.1	13.8	15.5	15.8
	3H	17.0	18.5	17.4	18.9	19.2	15.2	16.7	15.5	17.0	17.4
	4H	17.6	19.1	18.0	19.4	19.8	15.9	17.3	16.3	17.7	18.0
	6H	18.1	19.5	18.5	19.8	20.2	16.4	17.8	16.9	18.2	18.5
	8H	18.3	19.6	18.7	20.0	20.4	16.7	18.0	17.1	18.3	18.7
	12H	18.4	19.7	18.9	20.1	20.5	16.8	18.1	17.3	18.5	18.9
4H	2H	15.7	17.1	16.1	17.5	17.8	14.2	15.7	14.6	16.0	16.4
	3H	17.7	18.9	18.1	19.3	19.7	16.1	17.4	16.6	17.8	18.2
	4H	18.5	19.6	18.9	20.0	20.4	17.0	18.1	17.4	18.5	18.9
	6H	19.1	20.1	19.6	20.5	21.0	17.7	18.7	18.1	19.1	19.5
	8H	19.4	20.3	19.8	20.7	21.2	18.0	18.9	18.4	19.3	19.8
	12H	19.6	20.4	20.0	20.8	21.3	18.2	19.0	18.7	19.5	20.0
8H	4H	18.7	19.6	19.2	20.1	20.5	17.4	18.3	17.9	18.7	19.2
	6H	19.5	20.3	20.0	20.8	21.2	18.2	19.0	18.7	19.5	20.0
	8H	19.8	20.5	20.3	21.0	21.5	18.6	19.3	19.1	19.8	20.3
	12H	20.1	20.7	20.6	21.2	21.8	18.9	19.6	19.5	20.0	20.6
12H	4H	18.7	19.6	19.2	20.0	20.5	17.5	18.3	17.9	18.8	19.2
	6H	19.6	20.3	20.1	20.7	21.3	18.4	19.1	18.9	19.5	20.0
	8H	20.0	20.6	20.5	21.1	21.6	18.8	19.4	19.3	19.9	20.4















(END OF REPORT)