

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: P1584161

Luminaire Tested: 14CGSB-30-F125-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584161
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-30-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

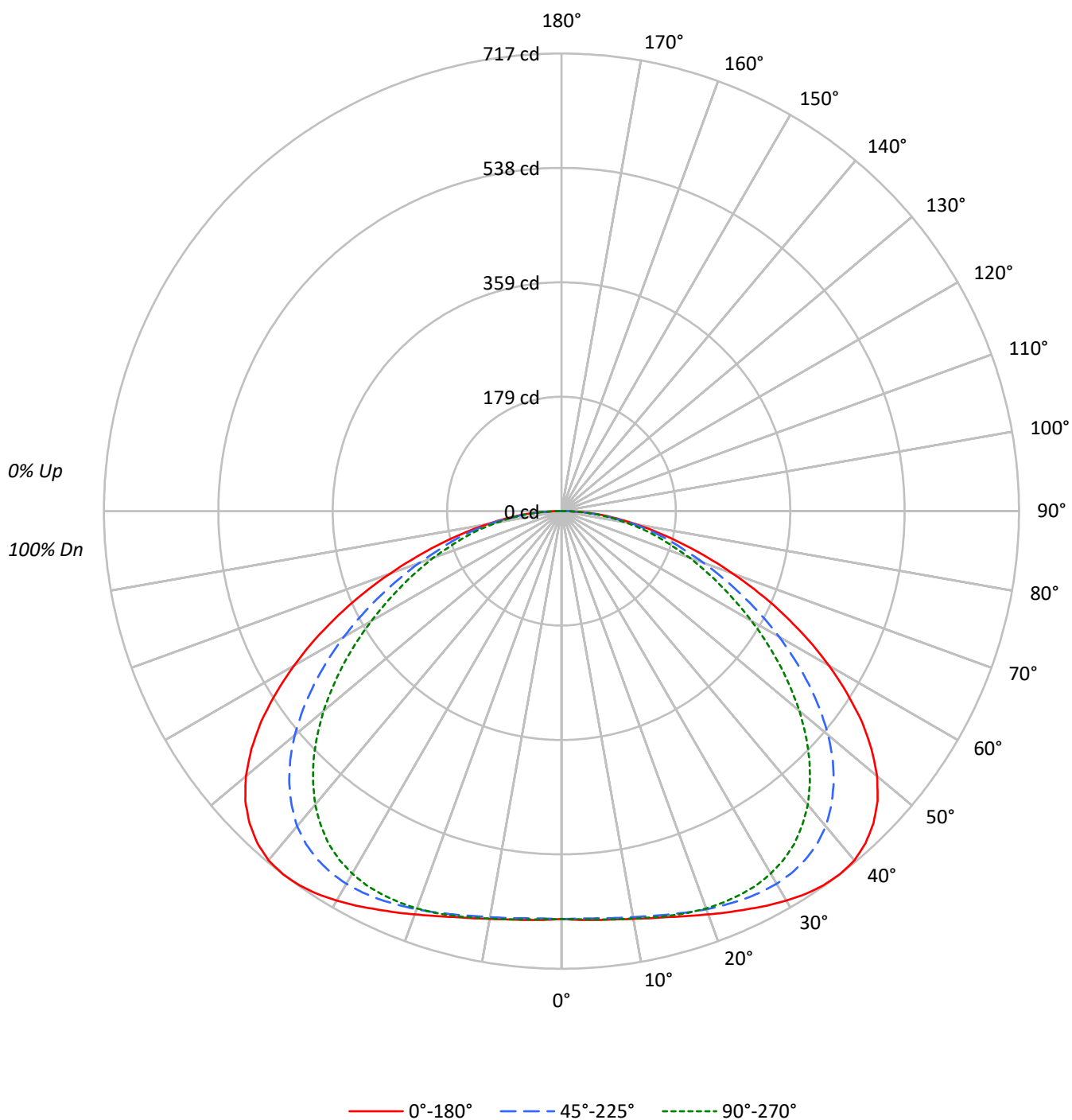
Lumens per Lamp: N/A
Luminaire Lumens: 2448.9 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 1.68 / 1.5 / 1.61
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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				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°	1720	1720	1720
5°	1737	1730	1735
10°	1772	1765	1771
15°	1834	1822	1828
20°	1925	1901	1897
25°	2043	1994	1969
30°	2189	2095	2037
35°	2351	2190	2090
40°	2509	2264	2109
45°	2631	2296	2090
50°	2702	2283	2037
55°	2695	2220	1952
60°	2605	2118	1850
65°	2453	1990	1750
70°	2245	1863	1682
75°	2020	1794	1624
80°	1847	1743	1570
85°	1775	1667	1568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 2708 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	2.5
10°-20°	186.2	7.6
20°-30°	311.6	12.7
30°-40°	419.9	17.1
40°-50°	471.0	19.2
50°-60°	432.1	17.6
60°-70°	319.6	13.1
70°-80°	185.9	7.6
80°-90°	61.1	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°	559.2	22.8
0°-40°	979.1	40.0
0°-60°	1882.2	76.9
0°-90°	2448.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2448.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	639	639	639	639	639	
5°	643	643	640	641	642	62
15°	658	657	654	655	656	187
25°	688	683	672	664	663	319
35°	716	701	666	643	636	448
45°	691	665	603	562	549	531
55°	574	542	473	429	416	510
65°	385	362	312	284	275	381
75°	194	192	172	159	156	208
85°	58	59	54	55	51	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	639.0	639.0	639.0	639.0	639.0
2.5°	641.0	641.0	638.7	639.4	640.0
5°	642.9	642.6	640.3	640.6	642.2
7.5°	645.1	645.1	642.9	642.9	645.1
10°	648.6	648.0	645.8	646.4	648.0
12.5°	653.1	651.8	649.6	650.2	652.1
15°	658.2	656.9	654.1	654.7	656.3
17.5°	664.9	663.0	658.9	658.9	659.8
20°	672.3	669.1	664.0	661.4	662.4
22.5°	680.3	676.1	667.8	663.3	663.6
25°	688.2	683.1	671.6	664.3	663.0
27.5°	696.9	689.5	673.9	663.6	661.1
30°	704.5	695.3	674.2	660.1	655.7
32.5°	711.3	699.1	672.0	653.4	647.7
35°	715.7	700.7	666.5	643.2	636.2
37.5°	717.0	698.8	657.6	629.1	619.9
40°	714.1	692.7	644.5	610.6	600.4
42.5°	705.5	681.9	625.9	588.2	576.1
45°	691.4	665.2	603.3	562.4	549.3
47.5°	672.0	642.2	576.7	532.6	518.9
50°	645.4	614.1	545.4	500.4	486.6
52.5°	612.5	579.9	510.6	466.2	451.5
55°	574.5	541.6	473.2	429.1	416.0
57.5°	530.1	499.7	433.9	392.1	379.6
60°	484.1	455.3	393.6	355.0	343.8
62.5°	435.5	409.3	353.1	318.2	308.7
65°	385.3	362.0	312.5	284.1	274.8
67.5°	335.2	317.3	273.8	248.6	243.5
70°	285.3	271.9	236.8	220.1	213.8
72.5°	238.0	231.0	201.6	190.4	181.8
75°	194.3	191.7	172.5	158.8	156.2
77.5°	154.6	158.5	141.9	132.0	129.7
80°	119.2	123.0	112.5	104.2	101.3
82.5°	86.9	92.0	81.5	79.6	76.7
85°	57.5	59.1	54.0	54.6	50.8
87.5°	28.1	31.3	28.4	29.4	27.5
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	16.1	17.8	16.5	18.1	18.4	14.3	16.0	14.6	16.3	16.6
	3H	17.8	19.4	18.2	19.7	20.1	16.0	17.5	16.4	17.9	18.2
	4H	18.5	19.9	18.9	20.3	20.6	16.7	18.2	17.1	18.5	18.9
	6H	19.0	20.3	19.4	20.7	21.1	17.3	18.6	17.7	19.0	19.4
	8H	19.1	20.4	19.6	20.8	21.2	17.5	18.8	17.9	19.2	19.6
	12H	19.3	20.5	19.7	20.9	21.3	17.7	18.9	18.1	19.3	19.7
4H	2H	16.5	18.0	16.9	18.3	18.7	15.0	16.5	15.4	16.8	17.2
	3H	18.5	19.7	18.9	20.1	20.5	17.0	18.2	17.4	18.6	19.0
	4H	19.3	20.4	19.7	20.8	21.2	17.8	18.9	18.2	19.3	19.8
	6H	20.0	20.9	20.4	21.4	21.8	18.5	19.5	19.0	19.9	20.4
	8H	20.2	21.1	20.6	21.5	22.0	18.8	19.7	19.3	20.1	20.6
	12H	20.4	21.2	20.9	21.7	22.1	19.0	19.8	19.5	20.3	20.8
8H	4H	19.5	20.5	20.0	20.9	21.4	18.2	19.1	18.7	19.6	20.0
	6H	20.3	21.1	20.8	21.6	22.1	19.1	19.8	19.6	20.3	20.8
	8H	20.7	21.4	21.2	21.9	22.4	19.5	20.1	20.0	20.6	21.1
	12H	21.0	21.6	21.5	22.1	22.6	19.8	20.4	20.3	20.9	21.4
12H	4H	19.6	20.4	20.0	20.9	21.3	18.3	19.1	18.8	19.6	20.1
	6H	20.4	21.1	20.9	21.6	22.1	19.2	19.9	19.7	20.3	20.9
	8H	20.8	21.4	21.3	21.9	22.5	19.6	20.2	20.1	20.7	21.3













(END OF REPORT)