Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1053656

Luminaire Tested: 14CGTS-L3C3-4000K-LOW

Issue Date: 7/22/2025

Test Information

Test Method:	LM-79-2019
Report Number:	P1053656
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-301-1)
Test Lab:	INNOVATION CENTER
Issue Date:	7/22/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	14CGTS-L3C3-4000K-LOW
Description:	1x4 Selectable Lumens and CCT LED Backlit Panel at 4000K CCT and LOW lumen settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2788.0 lumens
Efficiency:	N/A
Efficacy:	137.3 lumens/watt
Spacing Criteria (0/90/45):	1.27 / 1.26 / 1.37
Luminous Opening:	Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type:	Direct
Input Watts (W):	20.3
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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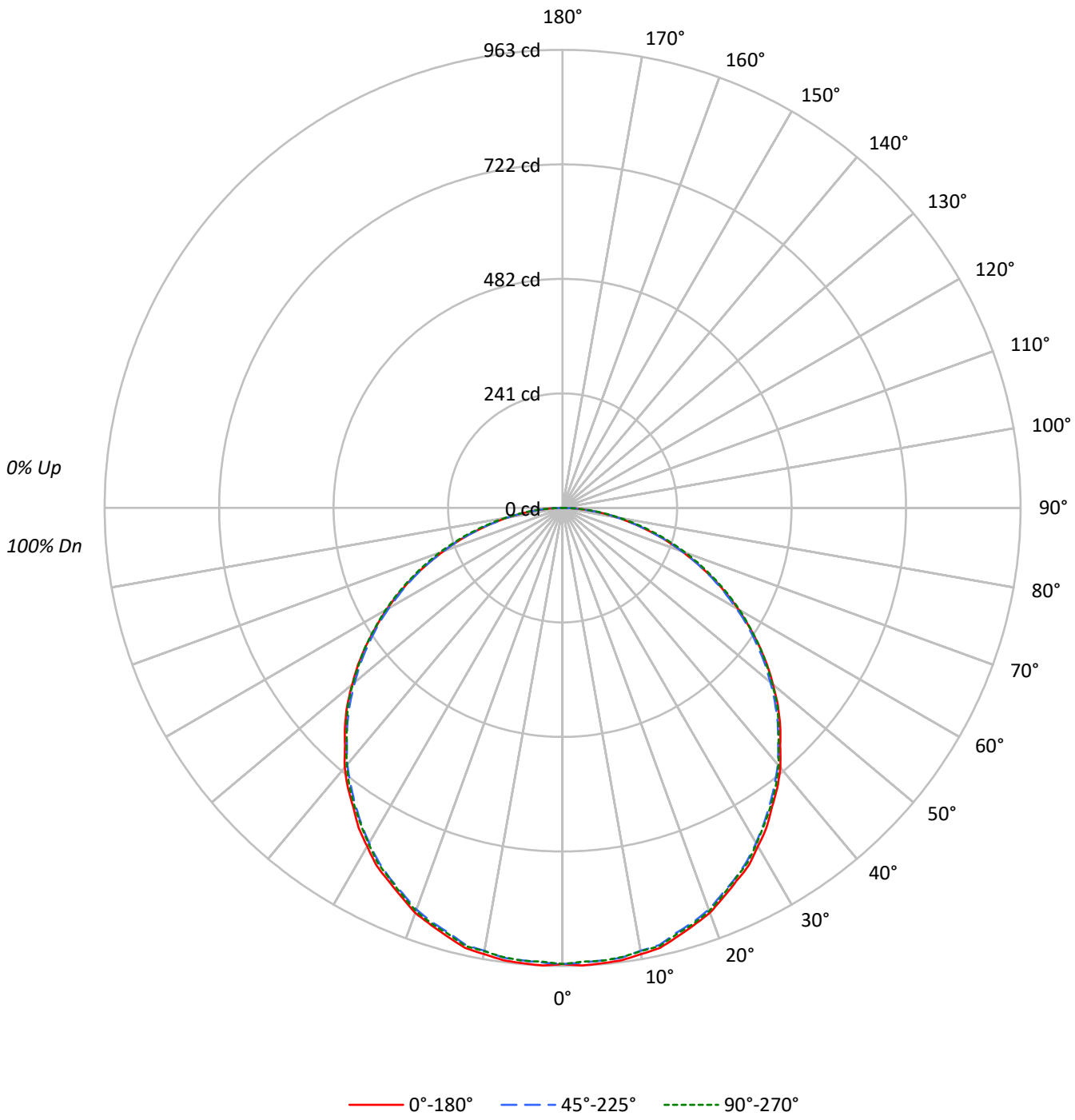
Luminous Intensity Polar Plot



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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	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3354	3354	3354
5°	3373	3352	3355
10°	3383	3357	3361
15°	3378	3348	3359
20°	3372	3344	3356
25°	3339	3315	3319
30°	3318	3285	3293
35°	3278	3246	3260
40°	3254	3215	3225
45°	3201	3165	3175
50°	3143	3103	3131
55°	3072	3034	3079
60°	2987	2950	3008
65°	2880	2854	2915
70°	2730	2730	2815
75°	2555	2569	2667
80°	2364	2364	2489
85°	2127	2083	2291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 3206 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	3.3
10°-20°	262.6	9.4
20°-30°	397.8	14.3
30°-40°	478.8	17.2
40°-50°	496.7	17.8
50°-60°	449.2	16.1
60°-70°	345.2	12.4
70°-80°	204.9	7.3
80°-90°	61.6	2.2
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°	751.6	27.0
0°-40°	1230.4	44.1
0°-60°	2176.3	78.1
0°-90°	2788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	959	959	959	959	959	
5°	961	961	955	957	956	91
15°	933	932	925	930	928	264
25°	865	865	859	862	860	400
35°	768	768	760	765	764	481
45°	647	648	640	644	642	499
55°	504	505	498	503	505	450
65°	348	350	345	350	352	344
75°	189	193	190	196	197	201
85°	53	54	52	56	57	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*958.9*	958.9	958.9	958.9	958.9
2.5°	*963.0*	*963.0*	*956.8*	*958.9*	*954.7*
5°	*960.9*	960.9	954.7	956.8	955.7
7.5°	*958.9*	959.9	953.7	954.7	952.6
10°	*952.6*	951.6	945.4	948.5	946.4
12.5°	*947.4*	946.4	941.2	944.3	943.3
15°	*932.9*	931.9	924.6	929.8	927.7
17.5°	*919.4*	919.4	913.2	916.3	916.3
20°	*905.9*	904.8	898.6	902.8	901.7
22.5°	*885.1*	885.1	877.8	880.9	880.9
25°	*865.4*	865.4	859.1	862.2	860.2
27.5°	*847.7*	846.7	838.4	842.5	841.5
30°	*821.7*	820.7	813.4	817.6	815.5
32.5°	*797.8*	794.7	787.5	791.6	789.5
35°	*767.7*	767.7	760.4	764.6	763.6
37.5°	*741.7*	741.7	732.4	737.6	736.5
40°	*712.7*	712.7	704.3	707.5	706.4
42.5°	*677.3*	679.4	671.1	675.3	672.1
45°	*647.2*	648.2	639.9	644.1	642.0
47.5°	*614.0*	615.0	605.7	611.9	611.9
50°	*577.6*	579.7	570.3	575.5	575.5
52.5°	*542.3*	543.3	535.0	540.2	540.2
55°	*503.8*	504.9	497.6	502.8	504.9
57.5°	*465.4*	467.5	461.3	465.4	466.4
60°	*427.0*	428.0	421.8	428.0	430.1
62.5°	*387.5*	388.5	383.3	389.6	391.6
65°	*348.0*	350.1	344.9	350.1	352.2
67.5°	*306.5*	310.6	306.5	311.7	313.7
70°	*267.0*	272.2	267.0	272.2	275.3
72.5°	*228.5*	232.7	229.6	235.8	236.9
75°	*189.1*	193.2	190.1	196.3	197.4
77.5°	*152.7*	155.8	152.7	157.9	160.0
80°	*117.4*	119.5	117.4	122.6	123.6
82.5°	*83.1*	86.2	84.1	88.3	89.3
85°	*53.0*	54.0	51.9	56.1	57.1
87.5°	*24.9*	26.0	23.9	28.0	28.0
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	16.07	17.72	16.43	18.03	18.34	16.04	17.70	16.41	18.01	18.32
	3H	17.90	19.40	18.28	19.72	20.08	17.93	19.43	18.31	19.75	20.11
	4H	18.60	20.01	18.99	20.35	20.73	18.67	20.08	19.06	20.42	20.80
	6H	19.13	20.44	19.54	20.80	21.19	19.23	20.54	19.64	20.90	21.29
	8H	19.30	20.55	19.73	20.94	21.34	19.42	20.67	19.85	21.06	21.46
	12H	19.43	20.63	19.86	21.01	21.44	19.57	20.76	19.99	21.15	21.57
4H	2H	16.69	18.10	17.09	18.45	18.82	16.68	18.09	17.07	18.43	18.81
	3H	18.76	19.95	19.17	20.35	20.75	18.79	19.98	19.20	20.37	20.77
	4H	19.60	20.67	20.03	21.09	21.52	19.66	20.74	20.09	21.15	21.58
	6H	20.27	21.21	20.72	21.65	22.10	20.36	21.30	20.82	21.74	22.20
	8H	20.50	21.38	20.96	21.82	22.29	20.61	21.49	21.07	21.94	22.40
	12H	20.67	21.47	21.15	21.94	22.41	20.81	21.60	21.29	22.07	22.54
8H	4H	19.93	20.81	20.39	21.25	21.72	19.99	20.87	20.44	21.31	21.77
	6H	20.73	21.47	21.22	21.95	22.43	20.82	21.55	21.31	22.04	22.51
	8H	21.05	21.70	21.55	22.21	22.69	21.15	21.81	21.66	22.32	22.80
	12H	21.31	21.89	21.81	22.38	22.94	21.43	22.02	21.94	22.51	23.07
12H	4H	19.97	20.77	20.45	21.24	21.71	20.03	20.82	20.50	21.29	21.76
	6H	20.80	21.46	21.31	21.96	22.45	20.88	21.54	21.39	22.05	22.53
	8H	21.17	21.76	21.68	22.25	22.81	21.28	21.86	21.78	22.35	22.91

END OF REPORT