

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P568346

Luminaire Tested: **22CGTX-20HE-L930**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-20HE-L930
Description: 2X2 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

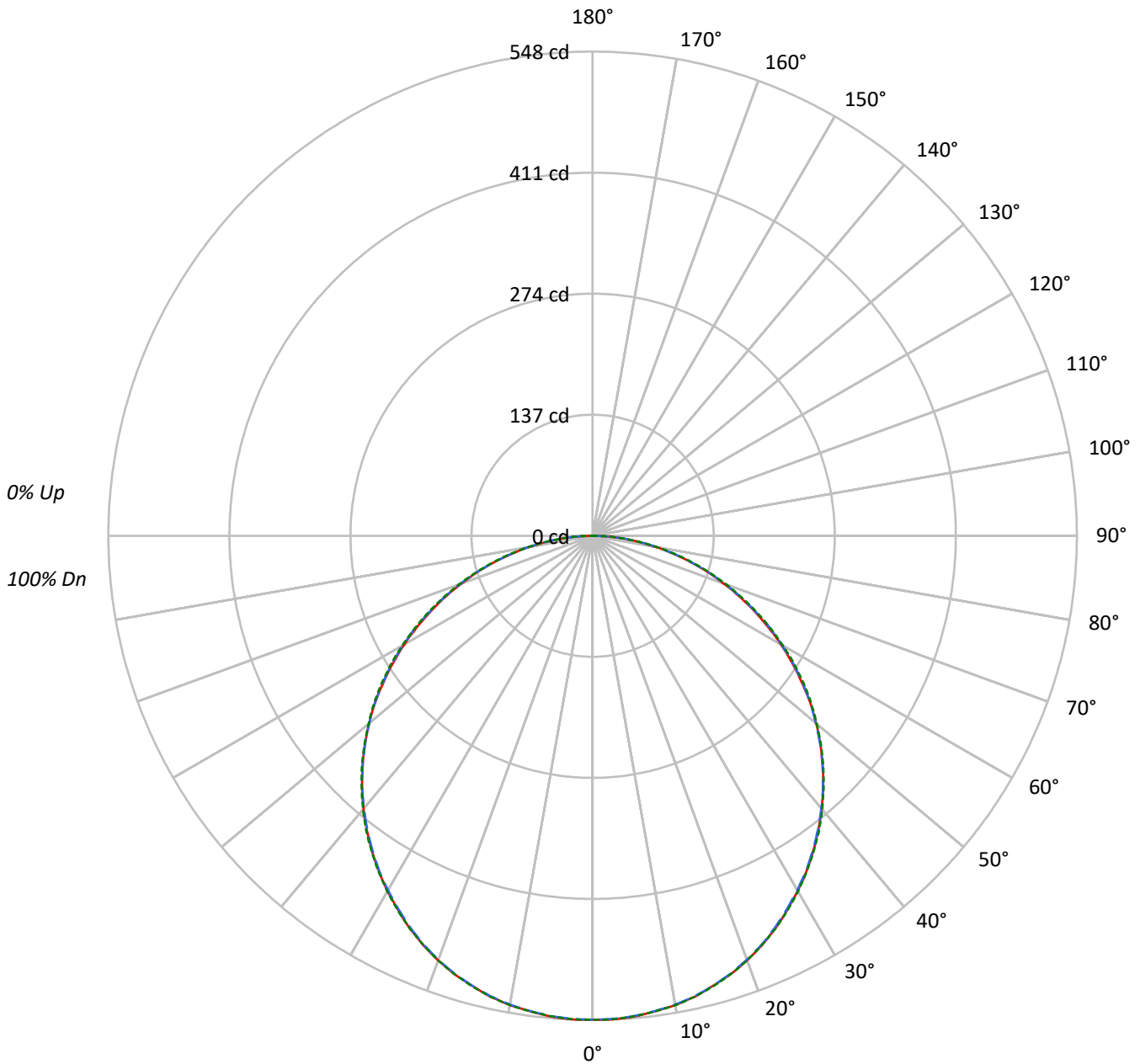
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1603.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1474	1474	1474
5°	1475	1474	1474
10°	1474	1472	1474
15°	1469	1469	1470
20°	1464	1462	1464
25°	1455	1451	1455
30°	1442	1439	1444
35°	1430	1427	1433
40°	1417	1414	1420
45°	1401	1400	1405
50°	1382	1381	1386
55°	1354	1358	1368
60°	1325	1330	1340
65°	1286	1294	1305
70°	1241	1254	1264
75°	1192	1200	1214
80°	1120	1133	1142
85°	1019	1028	1044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	3.2
10°-20°	148.8	9.3
20°-30°	225.5	14.1
30°-40°	272.3	17.0
40°-50°	284.1	17.7
50°-60°	259.1	16.2
60°-70°	201.4	12.6
70°-80°	122.2	7.6
80°-90°	37.7	2.3
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°	426.2	26.6
0°-40°	698.5	43.6
0°-60°	1241.7	77.5
0°-90°	1603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	548	548	548	548	548	
5°	546	545	546	545	546	52
15°	527	527	527	527	528	149
25°	490	489	489	490	490	226
35°	435	435	434	436	436	272
45°	368	368	368	370	369	284
55°	289	289	290	290	292	258
65°	202	202	203	204	205	200
75°	115	114	115	116	117	121
85°	33	33	33	34	34	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	547.7	547.7	547.7	547.7	547.7
2.5°	548.0	547.2	547.2	546.9	547.7
5°	546.1	545.3	545.5	545.3	545.8
7.5°	542.8	542.3	542.5	542.3	542.8
10°	539.3	538.7	538.7	538.7	539.5
12.5°	534.3	533.8	533.8	533.8	534.3
15°	527.2	527.2	527.2	527.2	527.8
17.5°	520.1	519.3	519.6	519.3	520.1
20°	511.4	510.3	510.6	510.6	511.4
22.5°	501.3	500.2	500.5	500.5	501.0
25°	489.9	488.8	488.8	489.6	490.1
27.5°	477.3	476.5	476.2	477.6	477.8
30°	464.2	463.7	463.1	464.5	464.8
32.5°	450.3	449.7	449.5	450.8	450.8
35°	435.3	434.7	434.5	436.1	436.1
37.5°	419.7	419.4	418.9	420.5	420.8
40°	403.3	402.8	402.5	404.2	404.2
42.5°	386.2	385.6	385.9	387.2	387.0
45°	368.1	367.9	367.9	369.5	369.2
47.5°	349.6	349.0	349.3	351.0	350.4
50°	330.2	329.7	329.9	331.6	331.0
52.5°	310.3	309.7	310.3	311.9	311.9
55°	288.7	289.3	289.5	290.4	291.5
57.5°	267.7	268.0	269.1	269.6	270.4
60°	246.2	246.7	247.2	248.3	248.9
62.5°	224.1	224.9	226.5	226.5	227.1
65°	201.9	202.5	203.3	204.1	204.9
67.5°	180.1	180.4	181.8	182.0	182.8
70°	157.7	158.0	159.4	159.6	160.7
72.5°	136.5	136.2	137.3	138.6	138.6
75°	114.6	114.3	115.4	116.5	116.8
77.5°	93.3	93.1	93.9	95.2	95.2
80°	72.3	72.9	73.1	74.2	73.7
82.5°	52.1	52.4	52.7	53.5	52.9
85°	33.0	33.3	33.3	34.1	33.8
87.5°	15.6	15.3	15.3	15.8	15.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)