

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: P568382

Luminaire Tested: **22CGTX-20HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568382
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-L950
Description: 2X2 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

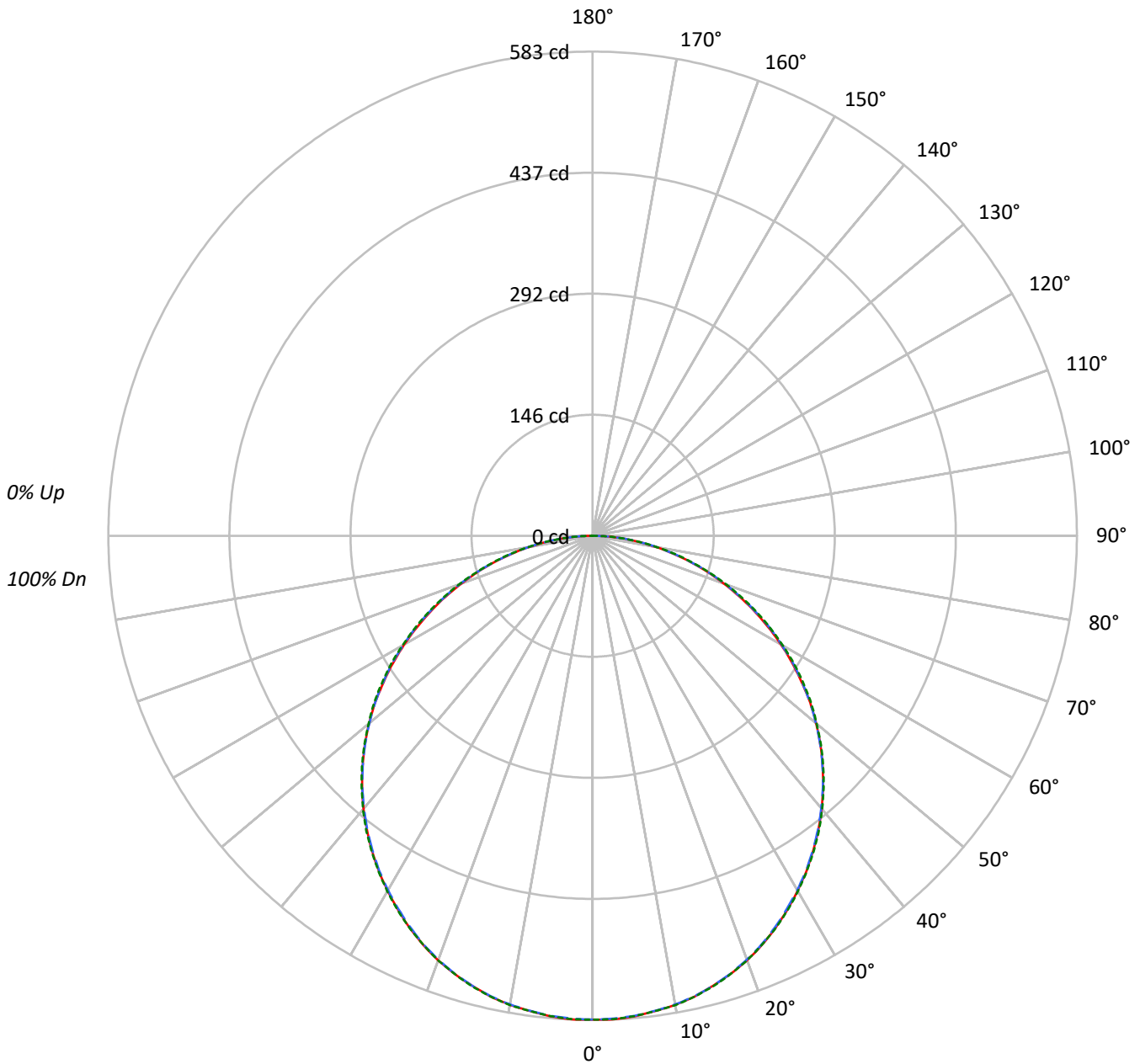
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1705.0 lumens
Efficiency: N/A
Efficacy: 115.2 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

TEST NUMBER: P568382
CATALOG NUMBER: 22CGTX-20HE-L950

Luminous Intensity Polar Plot





TEST NUMBER: P568382

CATALOG NUMBER: 22CGTX-20HE-L950

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	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°	1568	1568	1568
5°	1569	1567	1568
10°	1567	1566	1568
15°	1562	1562	1564
20°	1558	1555	1558
25°	1547	1544	1548
30°	1534	1531	1536
35°	1521	1518	1524
40°	1507	1504	1510
45°	1490	1489	1494
50°	1470	1469	1474
55°	1441	1445	1454
60°	1409	1415	1425
65°	1368	1377	1388
70°	1320	1334	1345
75°	1267	1277	1291
80°	1192	1206	1215
85°	1084	1093	1112



TEST NUMBER: P568382

CATALOG NUMBER: 22CGTX-20HE-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	3.2
10°-20°	158.3	9.3
20°-30°	239.8	14.1
30°-40°	289.7	17.0
40°-50°	302.2	17.7
50°-60°	275.6	16.2
60°-70°	214.2	12.6
70°-80°	130.0	7.6
80°-90°	40.1	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°	453.3	26.6
0°-40°	742.9	43.6
0°-60°	1320.8	77.5
0°-90°	1705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	583	583	583	583	583	
5°	581	580	580	580	580	55
15°	561	561	561	561	561	158
25°	521	520	520	521	521	240
35°	463	462	462	464	464	290
45°	392	391	391	393	393	302
55°	307	308	308	309	310	275
65°	215	215	216	217	218	213
75°	122	122	123	124	124	129
85°	35	35	35	36	36	40
90°	0	0	0	0	0	



TEST NUMBER: P568382

CATALOG NUMBER: 22CGTX-20HE-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	582.6	582.6	582.6	582.6	582.6
2.5°	582.9	582.0	582.0	581.7	582.6
5°	580.8	580.0	580.2	580.0	580.5
7.5°	577.3	576.8	577.0	576.8	577.3
10°	573.6	573.0	573.0	573.0	573.9
12.5°	568.3	567.8	567.8	567.8	568.3
15°	560.8	560.8	560.8	560.8	561.4
17.5°	553.2	552.4	552.7	552.4	553.2
20°	544.0	542.8	543.1	543.1	544.0
22.5°	533.2	532.1	532.3	532.3	532.9
25°	521.0	519.9	519.9	520.7	521.3
27.5°	507.7	506.8	506.5	508.0	508.3
30°	493.7	493.2	492.6	494.0	494.3
32.5°	478.9	478.4	478.1	479.5	479.5
35°	463.0	462.4	462.1	463.8	463.8
37.5°	446.4	446.1	445.6	447.3	447.6
40°	429.0	428.4	428.1	429.9	429.9
42.5°	410.7	410.1	410.4	411.9	411.6
45°	391.6	391.3	391.3	393.0	392.7
47.5°	371.8	371.3	371.5	373.3	372.7
50°	351.2	350.6	350.9	352.7	352.1
52.5°	330.0	329.5	330.0	331.8	331.8
55°	307.1	307.7	308.0	308.8	310.0
57.5°	284.8	285.0	286.2	286.8	287.7
60°	261.8	262.4	263.0	264.1	264.7
62.5°	238.3	239.2	240.9	240.9	241.5
65°	214.8	215.4	216.2	217.1	218.0
67.5°	191.6	191.9	193.3	193.6	194.5
70°	167.8	168.1	169.5	169.8	171.0
72.5°	145.1	144.8	146.0	147.5	147.5
75°	121.9	121.6	122.8	123.9	124.2
77.5°	99.3	99.0	99.9	101.3	101.3
80°	76.9	77.5	77.8	79.0	78.4
82.5°	55.4	55.7	56.0	56.9	56.3
85°	35.1	35.4	35.4	36.3	36.0
87.5°	16.5	16.3	16.3	16.8	16.5
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)