

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: P568580

Luminaire Tested: **24CGTX-30-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CGTX-30-L950
Description: 2X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

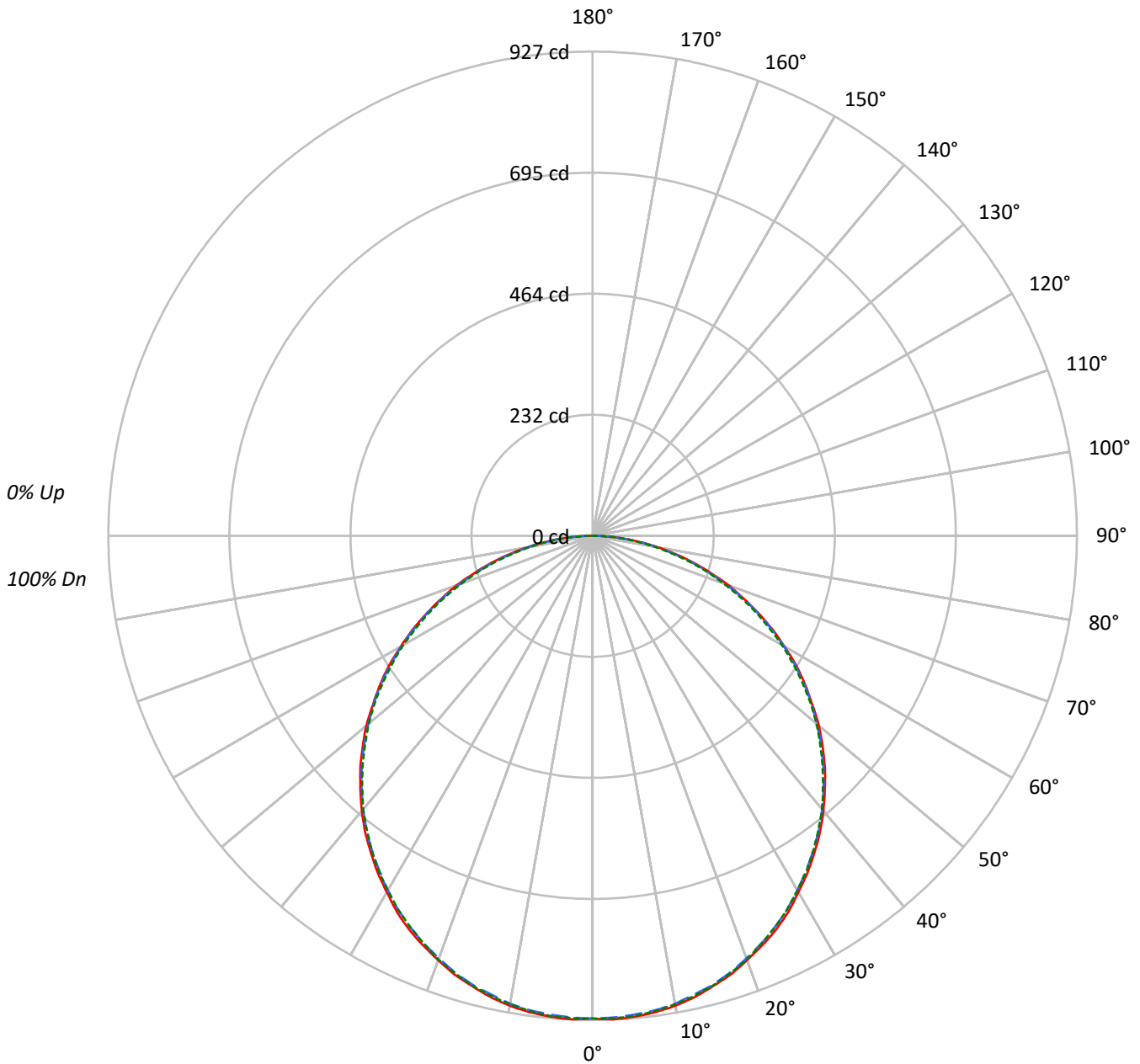
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2716.0 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.7
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: P568580
CATALOG NUMBER: 24CGTX-30-L950

Luminous Intensity Polar Plot





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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	76	72	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	79	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	32								
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	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	38	31	26	37	30	26	37	30	25	36	30	25	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1244	1244	1244
5°	1248	1243	1247
10°	1248	1243	1245
15°	1243	1240	1241
20°	1238	1232	1236
25°	1235	1227	1227
30°	1224	1218	1218
35°	1216	1209	1209
40°	1207	1200	1200
45°	1197	1189	1184
50°	1184	1172	1170
55°	1165	1159	1149
60°	1140	1137	1126
65°	1113	1109	1092
70°	1089	1068	1047
75°	1046	1019	998
80°	985	965	924
85°	900	878	838



TEST NUMBER: P568580

CATALOG NUMBER: 24CGTX-30-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	3.2
10°-20°	251.1	9.2
20°-30°	381.1	14.0
30°-40°	461.1	17.0
40°-50°	481.7	17.7
50°-60°	440.6	16.2
60°-70°	343.0	12.6
70°-80°	206.7	7.6
80°-90°	63.0	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°	719.8	26.5
0°-40°	1180.9	43.5
0°-60°	2103.3	77.4
0°-90°	2716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2716.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	924	922	920	920	923	88
15°	892	890	890	888	891	252
25°	832	828	826	825	826	383
35°	740	738	736	736	736	463
45°	629	625	625	622	622	485
55°	497	495	494	490	490	444
65°	350	350	348	343	343	347
75°	201	199	196	192	192	212
85°	58	57	57	54	54	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	924.3	924.3	924.3	924.3	924.3
2.5°	926.9	924.3	923.0	923.0	924.3
5°	924.3	921.6	920.3	920.3	923.0
7.5°	920.3	916.3	916.3	915.0	917.7
10°	913.7	909.7	909.7	908.4	911.0
12.5°	904.4	900.4	899.1	899.1	901.8
15°	892.5	889.9	889.9	888.5	891.2
17.5°	880.6	876.6	876.6	875.3	877.9
20°	864.7	862.0	860.7	860.7	863.4
22.5°	848.8	846.2	844.8	844.8	844.8
25°	831.6	827.6	826.3	825.0	826.3
27.5°	811.7	806.4	806.4	805.1	806.4
30°	787.9	785.2	783.9	782.6	783.9
32.5°	765.4	761.4	760.1	761.4	761.4
35°	740.2	737.6	736.2	736.2	736.2
37.5°	715.1	711.1	711.1	709.8	709.8
40°	687.3	684.6	683.3	683.3	683.3
42.5°	658.1	655.5	654.2	652.8	652.8
45°	629.0	625.0	625.0	622.4	622.4
47.5°	597.2	594.6	593.2	590.6	590.6
50°	565.4	562.8	560.1	560.1	558.8
52.5°	529.7	529.7	528.4	525.7	525.7
55°	496.6	495.2	493.9	490.0	490.0
57.5°	462.1	460.8	458.2	454.2	454.2
60°	423.7	423.7	422.4	417.1	418.4
62.5°	388.0	386.7	385.3	381.4	380.0
65°	349.6	349.6	348.3	343.0	343.0
67.5°	312.5	312.5	309.9	304.6	304.6
70°	276.8	272.8	271.5	267.5	266.2
72.5°	237.0	235.7	233.1	229.1	229.1
75°	201.3	198.6	196.0	192.0	192.0
77.5°	162.9	160.2	157.6	156.3	153.6
80°	127.1	125.8	124.5	120.5	119.2
82.5°	91.4	90.0	88.7	87.4	86.1
85°	58.3	56.9	56.9	54.3	54.3
87.5°	25.2	26.5	23.8	25.2	23.8
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)