

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: P568478

Luminaire Tested: **24CGTX-35HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568478
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-35HE-L940
Description: 2X4 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

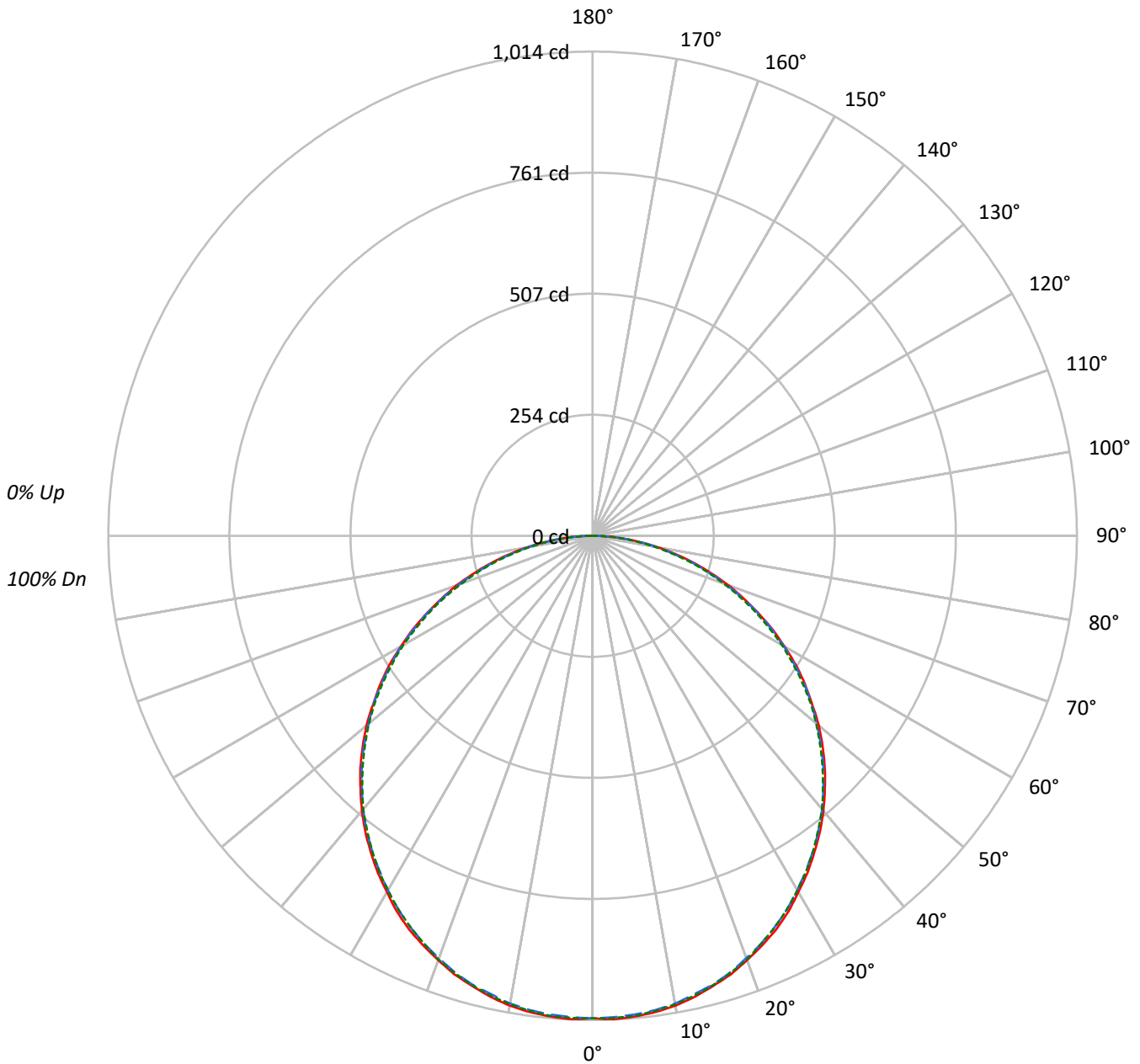
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2970.0 lumens
Efficiency: N/A
Efficacy: 113.4 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): 26.2
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	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°	1360	1360	1360
5°	1365	1359	1363
10°	1365	1359	1361
15°	1360	1355	1357
20°	1354	1348	1352
25°	1350	1341	1341
30°	1339	1332	1332
35°	1329	1322	1322
40°	1320	1312	1312
45°	1309	1301	1295
50°	1294	1282	1279
55°	1274	1267	1257
60°	1247	1243	1231
65°	1217	1212	1194
70°	1190	1168	1145
75°	1144	1114	1092
80°	1077	1055	1010
85°	983	962	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	3.2
10°-20°	274.6	9.2
20°-30°	416.7	14.0
30°-40°	504.2	17.0
40°-50°	526.8	17.7
50°-60°	481.9	16.2
60°-70°	375.0	12.6
70°-80°	226.0	7.6
80°-90°	68.9	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°	787.1	26.5
0°-40°	1291.4	43.5
0°-60°	2300.0	77.4
0°-90°	2970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2970.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1011	1011	1011	1011	1011	
5°	1011	1008	1006	1006	1009	96
15°	976	973	973	972	974	276
25°	909	905	904	902	904	419
35°	809	807	805	805	805	507
45°	688	684	684	681	681	530
55°	543	542	540	536	536	485
65°	382	382	381	375	375	379
75°	220	217	214	210	210	232
85°	64	62	62	59	59	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.7	1010.7	1010.7	1010.7	1010.7
2.5°	1013.6	1010.7	1009.3	1009.3	1010.7
5°	1010.7	1007.8	1006.4	1006.4	1009.3
7.5°	1006.4	1002.0	1002.0	1000.6	1003.5
10°	999.1	994.8	994.8	993.3	996.2
12.5°	989.0	984.7	983.2	983.2	986.1
15°	976.0	973.1	973.1	971.6	974.5
17.5°	962.9	958.6	958.6	957.1	960.0
20°	945.6	942.7	941.2	941.2	944.1
22.5°	928.2	925.3	923.8	923.8	923.8
25°	909.4	905.0	903.6	902.1	903.6
27.5°	887.6	881.8	881.8	880.4	881.8
30°	861.6	858.7	857.2	855.8	857.2
32.5°	837.0	832.6	831.2	832.6	832.6
35°	809.4	806.6	805.1	805.1	805.1
37.5°	781.9	777.6	777.6	776.1	776.1
40°	751.5	748.6	747.2	747.2	747.2
42.5°	719.7	716.8	715.3	713.9	713.9
45°	687.8	683.5	683.5	680.6	680.6
47.5°	653.1	650.2	648.7	645.8	645.8
50°	618.3	615.4	612.5	612.5	611.1
52.5°	579.2	579.2	577.8	574.9	574.9
55°	543.0	541.6	540.1	535.8	535.8
57.5°	505.4	503.9	501.0	496.7	496.7
60°	463.4	463.4	461.9	456.1	457.6
62.5°	424.3	422.8	421.4	417.0	415.6
65°	382.3	382.3	380.8	375.0	375.0
67.5°	341.7	341.7	338.8	333.0	333.0
70°	302.6	298.3	296.8	292.5	291.1
72.5°	259.2	257.7	254.9	250.5	250.5
75°	220.1	217.2	214.3	210.0	210.0
77.5°	178.1	175.2	172.3	170.9	168.0
80°	139.0	137.6	136.1	131.8	130.3
82.5°	99.9	98.5	97.0	95.6	94.1
85°	63.7	62.3	62.3	59.4	59.4
87.5°	27.5	29.0	26.1	27.5	26.1
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)