

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: P568423

Luminaire Tested: **24CGTX-35HE-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568423
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-L830
Description: 2X4 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

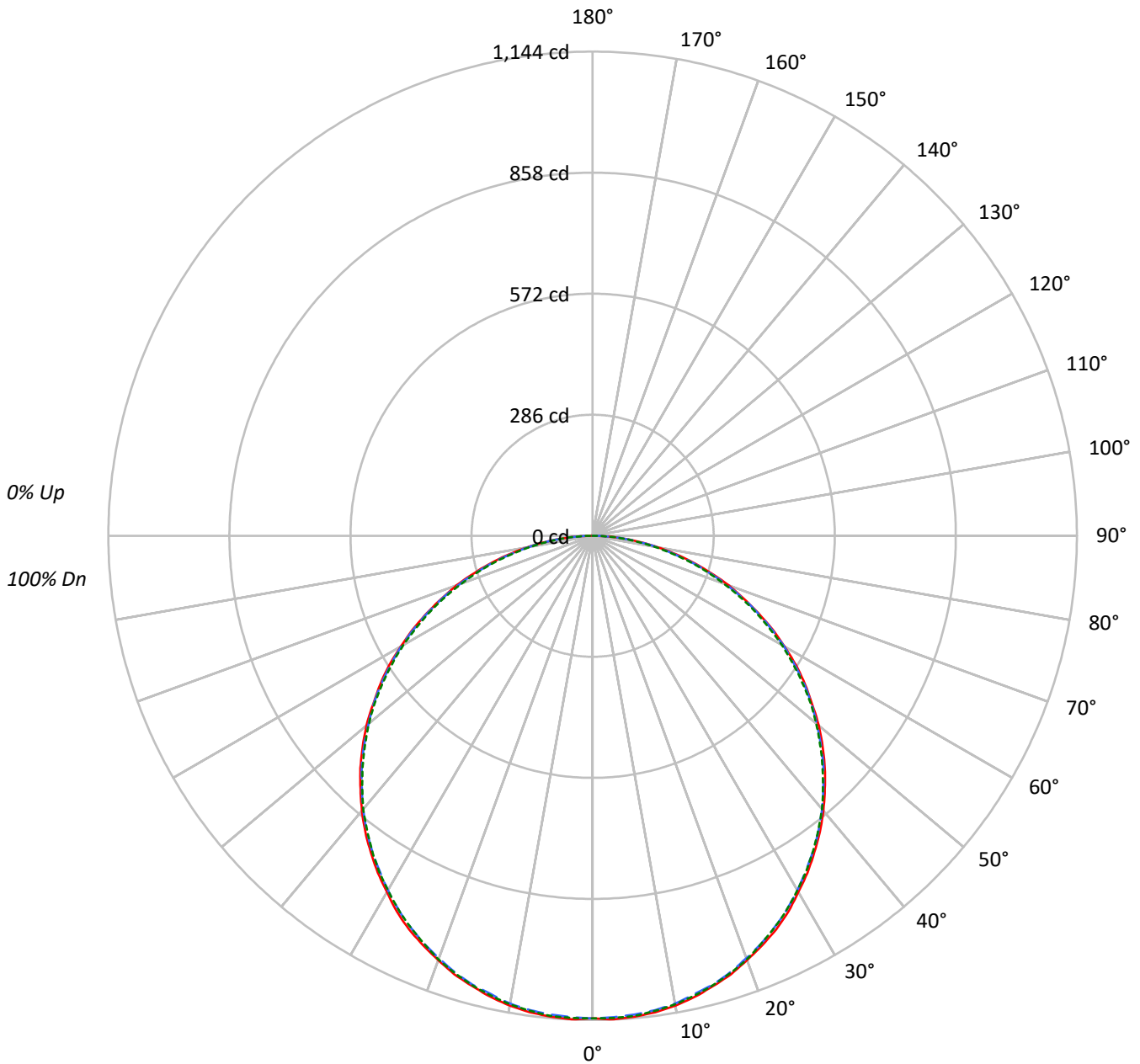
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3351.0 lumens
Efficiency: N/A
Efficacy: 127.9 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				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	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1534	1534	1534
5°	1540	1534	1538
10°	1540	1533	1536
15°	1534	1529	1532
20°	1528	1521	1525
25°	1523	1514	1514
30°	1510	1503	1503
35°	1500	1492	1492
40°	1489	1481	1481
45°	1477	1467	1461
50°	1460	1447	1443
55°	1437	1430	1418
60°	1407	1403	1389
65°	1373	1368	1347
70°	1343	1317	1292
75°	1291	1257	1232
80°	1215	1190	1139
85°	1110	1085	1034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	3.2
10°-20°	309.8	9.2
20°-30°	470.2	14.0
30°-40°	568.9	17.0
40°-50°	594.3	17.7
50°-60°	543.7	16.2
60°-70°	423.2	12.6
70°-80°	255.0	7.6
80°-90°	77.7	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°	888.1	26.5
0°-40°	1457.0	43.5
0°-60°	2595.1	77.4
0°-90°	3351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3351.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1140	1137	1136	1136	1139	108
15°	1101	1098	1098	1096	1100	311
25°	1026	1021	1020	1018	1020	473
35°	913	910	908	908	908	572
45°	776	771	771	768	768	598
55°	613	611	609	604	604	547
65°	431	431	430	423	423	428
75°	248	245	242	237	237	261
85°	72	70	70	67	67	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1140.4	1140.4	1140.4	1140.4	1140.4
2.5°	1143.7	1140.4	1138.7	1138.7	1140.4
5°	1140.4	1137.1	1135.5	1135.5	1138.7
7.5°	1135.5	1130.6	1130.6	1128.9	1132.2
10°	1127.3	1122.4	1122.4	1120.8	1124.0
12.5°	1115.9	1111.0	1109.3	1109.3	1112.6
15°	1101.2	1097.9	1097.9	1096.3	1099.5
17.5°	1086.5	1081.6	1081.6	1079.9	1083.2
20°	1066.9	1063.6	1062.0	1062.0	1065.2
22.5°	1047.3	1044.0	1042.4	1042.4	1042.4
25°	1026.0	1021.1	1019.5	1017.8	1019.5
27.5°	1001.5	995.0	995.0	993.3	995.0
30°	972.1	968.8	967.2	965.6	967.2
32.5°	944.3	939.4	937.8	939.4	939.4
35°	913.3	910.0	908.4	908.4	908.4
37.5°	882.2	877.3	877.3	875.7	875.7
40°	847.9	844.7	843.0	843.0	843.0
42.5°	812.0	808.7	807.1	805.5	805.5
45°	776.0	771.1	771.1	767.9	767.9
47.5°	736.8	733.6	731.9	728.7	728.7
50°	697.6	694.4	691.1	691.1	689.5
52.5°	653.5	653.5	651.9	648.6	648.6
55°	612.7	611.0	609.4	604.5	604.5
57.5°	570.2	568.6	565.3	560.4	560.4
60°	522.8	522.8	521.2	514.6	516.3
62.5°	478.7	477.1	475.4	470.5	468.9
65°	431.3	431.3	429.7	423.2	423.2
67.5°	385.6	385.6	382.3	375.8	375.8
70°	341.5	336.6	334.9	330.0	328.4
72.5°	292.4	290.8	287.5	282.6	282.6
75°	248.3	245.1	241.8	236.9	236.9
77.5°	201.0	197.7	194.4	192.8	189.5
80°	156.8	155.2	153.6	148.7	147.0
82.5°	112.7	111.1	109.5	107.8	106.2
85°	71.9	70.3	70.3	67.0	67.0
87.5°	31.0	32.7	29.4	31.0	29.4
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)