

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: P568434

Luminaire Tested: **24CGTX-35HE-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568434
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-L930
Description: 2X4 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

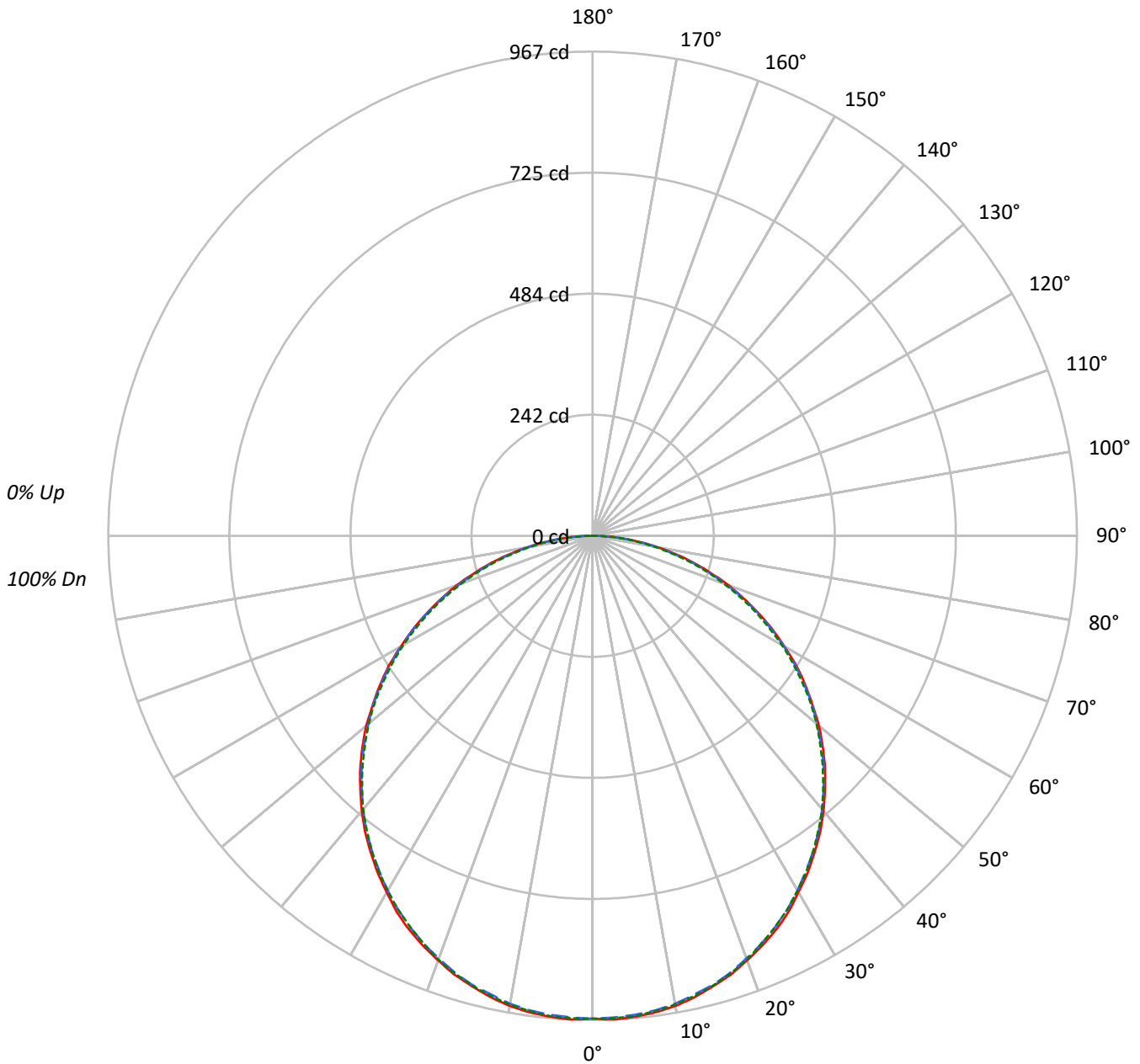
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2834.0 lumens
Efficiency: N/A
Efficacy: 108.2 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	23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1298	1298	1298
5°	1303	1297	1301
10°	1303	1297	1299
15°	1297	1293	1295
20°	1292	1286	1290
25°	1288	1280	1280
30°	1277	1271	1271
35°	1269	1262	1262
40°	1260	1252	1252
45°	1249	1241	1236
50°	1235	1223	1221
55°	1215	1209	1199
60°	1190	1186	1175
65°	1161	1157	1139
70°	1136	1114	1092
75°	1092	1063	1041
80°	1027	1007	964
85°	939	917	875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	3.2
10°-20°	262.0	9.2
20°-30°	397.7	14.0
30°-40°	481.2	17.0
40°-50°	502.7	17.7
50°-60°	459.8	16.2
60°-70°	357.9	12.6
70°-80°	215.7	7.6
80°-90°	65.7	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°	751.1	26.5
0°-40°	1232.3	43.5
0°-60°	2194.7	77.4
0°-90°	2834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	964	964	964	964	964	
5°	964	962	960	960	963	92
15°	931	928	928	927	930	263
25°	868	864	862	861	862	400
35°	772	770	768	768	768	483
45°	656	652	652	649	649	506
55°	518	517	515	511	511	463
65°	365	365	363	358	358	362
75°	210	207	204	200	200	221
85°	61	59	59	57	57	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.4	964.4	964.4	964.4	964.4
2.5°	967.2	964.4	963.1	963.1	964.4
5°	964.4	961.7	960.3	960.3	963.1
7.5°	960.3	956.2	956.2	954.8	957.5
10°	953.4	949.2	949.2	947.9	950.6
12.5°	943.7	939.6	938.2	938.2	941.0
15°	931.3	928.5	928.5	927.1	929.9
17.5°	918.8	914.7	914.7	913.3	916.1
20°	902.3	899.5	898.1	898.1	900.9
22.5°	885.7	882.9	881.5	881.5	881.5
25°	867.7	863.6	862.2	860.8	862.2
27.5°	847.0	841.5	841.5	840.1	841.5
30°	822.1	819.4	818.0	816.6	818.0
32.5°	798.6	794.5	793.1	794.5	794.5
35°	772.4	769.6	768.2	768.2	768.2
37.5°	746.1	742.0	742.0	740.6	740.6
40°	717.1	714.4	713.0	713.0	713.0
42.5°	686.7	684.0	682.6	681.2	681.2
45°	656.3	652.2	652.2	649.4	649.4
47.5°	623.2	620.4	619.0	616.2	616.2
50°	590.0	587.2	584.5	584.5	583.1
52.5°	552.7	552.7	551.3	548.5	548.5
55°	518.1	516.8	515.4	511.2	511.2
57.5°	482.2	480.8	478.1	473.9	473.9
60°	442.2	442.2	440.8	435.2	436.6
62.5°	404.8	403.5	402.1	397.9	396.6
65°	364.8	364.8	363.4	357.9	357.9
67.5°	326.1	326.1	323.3	317.8	317.8
70°	288.8	284.6	283.3	279.1	277.7
72.5°	247.3	245.9	243.2	239.0	239.0
75°	210.0	207.3	204.5	200.3	200.3
77.5°	170.0	167.2	164.4	163.0	160.3
80°	132.6	131.3	129.9	125.7	124.4
82.5°	95.3	94.0	92.6	91.2	89.8
85°	60.8	59.4	59.4	56.7	56.7
87.5°	26.3	27.6	24.9	26.3	24.9
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)