

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: P568456

Luminaire Tested: **24CGTX-35HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568456
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-L935
Description: 2X4 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

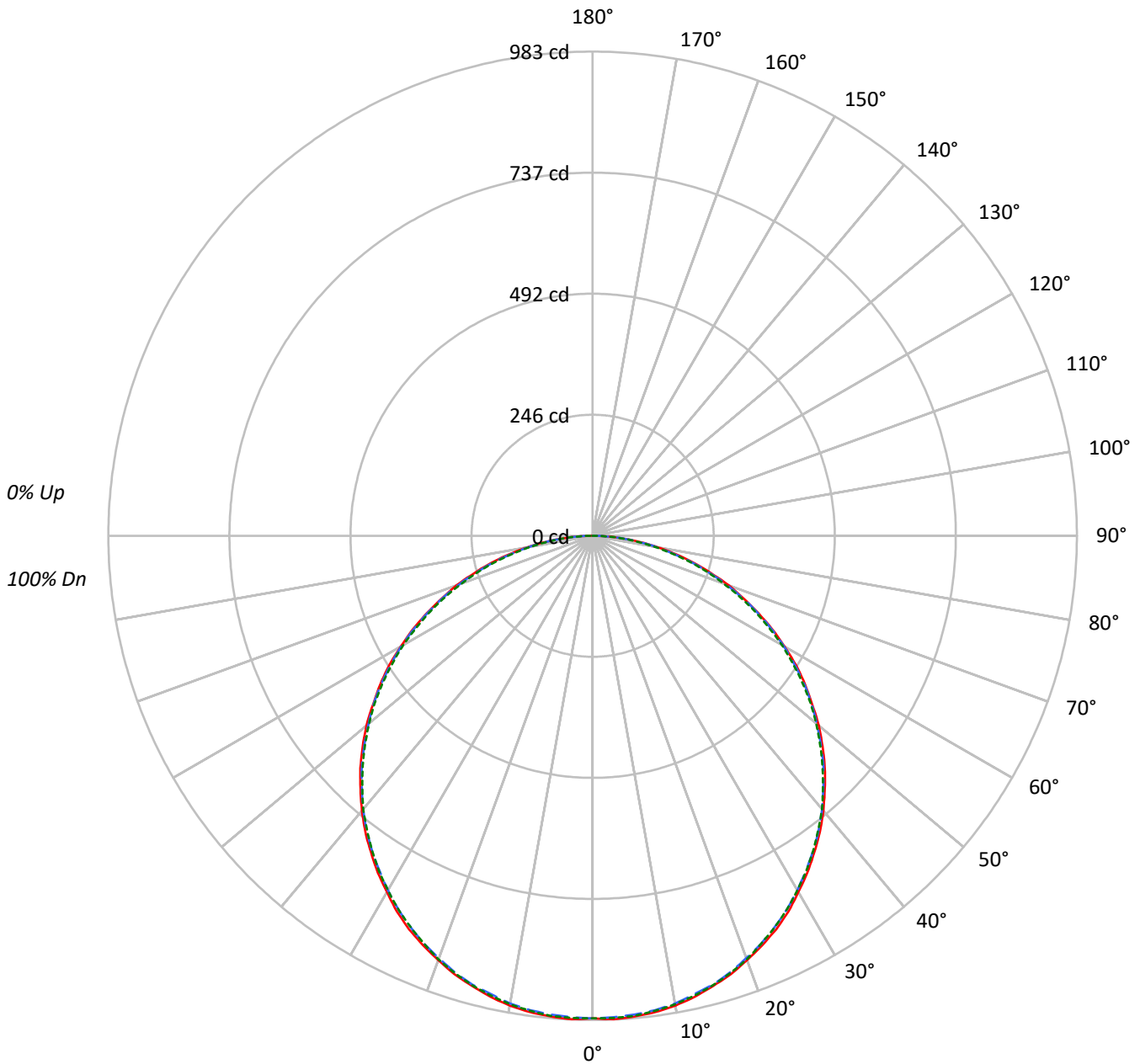
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2879.0 lumens
Efficiency: N/A
Efficacy: 109.9 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

TEST NUMBER: P568456
CATALOG NUMBER: 24CGTX-35HE-L935

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°	1318	1318	1318
5°	1323	1318	1321
10°	1323	1317	1319
15°	1318	1314	1316
20°	1312	1306	1310
25°	1309	1300	1300
30°	1298	1291	1291
35°	1289	1282	1282
40°	1280	1272	1272
45°	1269	1261	1255
50°	1255	1243	1240
55°	1235	1228	1218
60°	1209	1205	1194
65°	1180	1175	1157
70°	1154	1132	1110
75°	1109	1080	1058
80°	1044	1022	979
85°	954	932	889



TEST NUMBER: P568456

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	3.2
10°-20°	266.2	9.2
20°-30°	404.0	14.0
30°-40°	488.8	17.0
40°-50°	510.6	17.7
50°-60°	467.1	16.2
60°-70°	363.6	12.6
70°-80°	219.1	7.6
80°-90°	66.8	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°	763.0	26.5
0°-40°	1251.8	43.5
0°-60°	2229.6	77.4
0°-90°	2879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2879.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	980	977	976	976	978	93
15°	946	943	943	942	945	267
25°	882	877	876	874	876	406
35°	785	782	780	780	780	491
45°	667	662	662	660	660	514
55°	526	525	524	519	519	470
65°	371	371	369	364	364	367
75°	213	210	208	204	204	225
85°	62	60	60	58	58	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	979.8	979.8	979.8	979.8	979.8
2.5°	982.6	979.8	978.4	978.4	979.8
5°	979.8	976.9	975.5	975.5	978.4
7.5°	975.5	971.3	971.3	969.9	972.7
10°	968.5	964.3	964.3	962.9	965.7
12.5°	958.7	954.5	953.1	953.1	955.9
15°	946.1	943.3	943.3	941.9	944.7
17.5°	933.4	929.2	929.2	927.8	930.6
20°	916.6	913.8	912.4	912.4	915.2
22.5°	899.7	896.9	895.5	895.5	895.5
25°	881.5	877.3	875.9	874.5	875.9
27.5°	860.4	854.8	854.8	853.4	854.8
30°	835.2	832.4	831.0	829.6	831.0
32.5°	811.3	807.1	805.7	807.1	807.1
35°	784.6	781.8	780.4	780.4	780.4
37.5°	758.0	753.8	753.8	752.4	752.4
40°	728.5	725.7	724.3	724.3	724.3
42.5°	697.6	694.8	693.4	692.0	692.0
45°	666.7	662.5	662.5	659.7	659.7
47.5°	633.1	630.2	628.8	626.0	626.0
50°	599.4	596.6	593.7	593.7	592.3
52.5°	561.5	561.5	560.1	557.3	557.3
55°	526.4	525.0	523.6	519.4	519.4
57.5°	489.9	488.5	485.7	481.5	481.5
60°	449.2	449.2	447.8	442.2	443.6
62.5°	411.3	409.9	408.5	404.3	402.9
65°	370.6	370.6	369.2	363.5	363.5
67.5°	331.3	331.3	328.5	322.8	322.8
70°	293.4	289.2	287.8	283.5	282.1
72.5°	251.3	249.9	247.0	242.8	242.8
75°	213.4	210.5	207.7	203.5	203.5
77.5°	172.7	169.8	167.0	165.6	162.8
80°	134.8	133.3	131.9	127.7	126.3
82.5°	96.9	95.4	94.0	92.6	91.2
85°	61.8	60.4	60.4	57.6	57.6
87.5°	26.7	28.1	25.3	26.7	25.3
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)