

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: P568521

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568521
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-35-L930
Description: 2X4 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

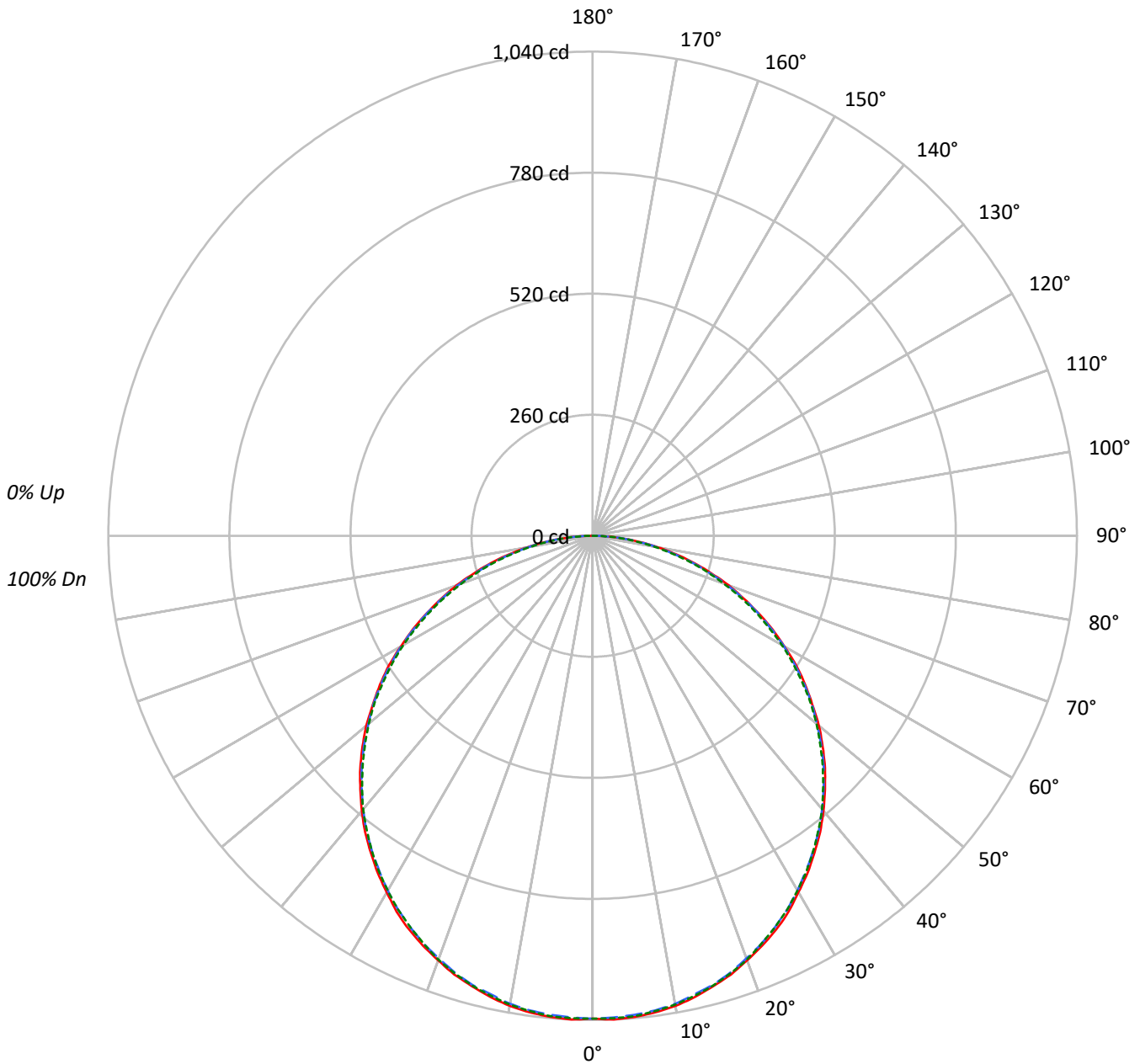
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3048.0 lumens
Efficiency: N/A
Efficacy: 107.3 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): 28.4
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°	1396	1396	1396
5°	1401	1395	1399
10°	1401	1395	1397
15°	1395	1391	1393
20°	1389	1383	1387
25°	1385	1377	1377
30°	1374	1367	1367
35°	1364	1357	1357
40°	1355	1347	1347
45°	1343	1335	1329
50°	1328	1316	1313
55°	1307	1300	1290
60°	1280	1276	1264
65°	1249	1244	1225
70°	1222	1198	1175
75°	1174	1143	1120
80°	1106	1082	1036
85°	1010	986	940



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	3.2
10°-20°	281.8	9.2
20°-30°	427.7	14.0
30°-40°	517.5	17.0
40°-50°	540.6	17.7
50°-60°	494.5	16.2
60°-70°	384.9	12.6
70°-80°	232.0	7.6
80°-90°	70.7	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°	807.8	26.5
0°-40°	1325.3	43.5
0°-60°	2360.4	77.4
0°-90°	3048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3048.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	1037	1034	1033	1033	1036	99
15°	1002	999	999	997	1000	283
25°	933	929	927	926	927	430
35°	831	828	826	826	826	520
45°	706	701	701	698	698	544
55°	557	556	554	550	550	498
65°	392	392	391	385	385	389
75°	226	223	220	216	216	238
85°	65	64	64	61	61	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.3	1037.3	1037.3	1037.3	1037.3
2.5°	1040.2	1037.3	1035.8	1035.8	1037.3
5°	1037.3	1034.3	1032.8	1032.8	1035.8
7.5°	1032.8	1028.4	1028.4	1026.9	1029.8
10°	1025.4	1020.9	1020.9	1019.4	1022.4
12.5°	1015.0	1010.5	1009.0	1009.0	1012.0
15°	1001.6	998.6	998.6	997.1	1000.1
17.5°	988.2	983.8	983.8	982.3	985.3
20°	970.4	967.4	965.9	965.9	968.9
22.5°	952.6	949.6	948.1	948.1	948.1
25°	933.2	928.8	927.3	925.8	927.3
27.5°	911.0	905.0	905.0	903.5	905.0
30°	884.2	881.2	879.7	878.3	879.7
32.5°	858.9	854.5	853.0	854.5	854.5
35°	830.7	827.7	826.2	826.2	826.2
37.5°	802.5	798.0	798.0	796.5	796.5
40°	771.3	768.3	766.8	766.8	766.8
42.5°	738.6	735.6	734.1	732.6	732.6
45°	705.9	701.4	701.4	698.4	698.4
47.5°	670.2	667.2	665.8	662.8	662.8
50°	634.5	631.6	628.6	628.6	627.1
52.5°	594.4	594.4	592.9	590.0	590.0
55°	557.3	555.8	554.3	549.8	549.8
57.5°	518.6	517.1	514.2	509.7	509.7
60°	475.5	475.5	474.1	468.1	469.6
62.5°	435.4	433.9	432.4	428.0	426.5
65°	392.3	392.3	390.8	384.9	384.9
67.5°	350.7	350.7	347.7	341.8	341.8
70°	310.6	306.1	304.6	300.2	298.7
72.5°	266.0	264.5	261.5	257.1	257.1
75°	225.9	222.9	219.9	215.5	215.5
77.5°	182.8	179.8	176.8	175.4	172.4
80°	142.7	141.2	139.7	135.2	133.7
82.5°	102.5	101.1	99.6	98.1	96.6
85°	65.4	63.9	63.9	60.9	60.9
87.5°	28.2	29.7	26.7	28.2	26.7
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)