

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: P568366

Luminaire Tested: **22CGTX-35HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-35HE-L840
Description: 2X2 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

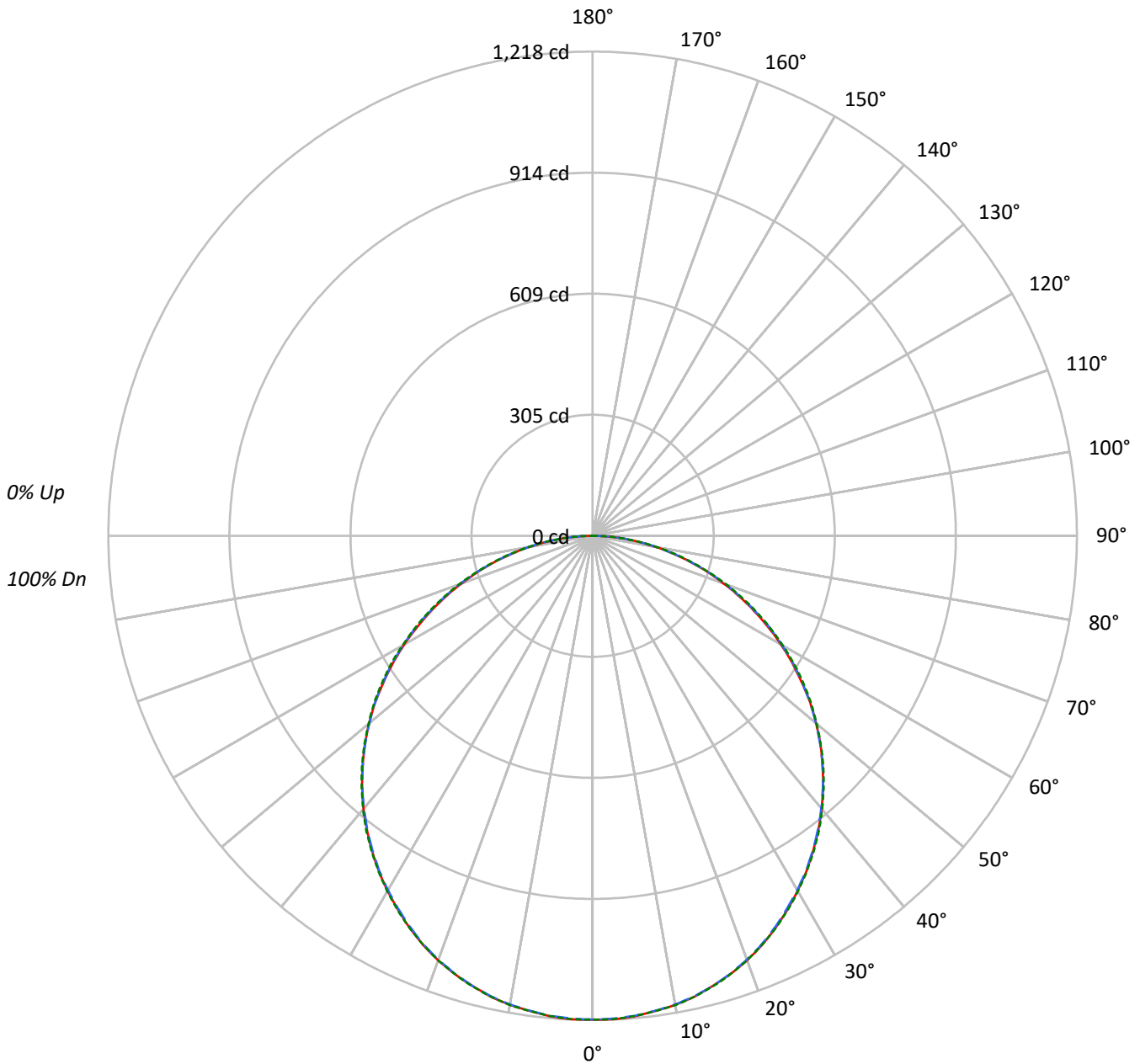
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3562.0 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.2
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	77	73	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	80	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	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	39	31	26	38	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3275	3275	3275
5°	3278	3274	3276
10°	3274	3271	3276
15°	3264	3264	3267
20°	3254	3249	3254
25°	3232	3225	3234
30°	3205	3198	3209
35°	3177	3171	3183
40°	3149	3142	3155
45°	3113	3111	3123
50°	3072	3069	3080
55°	3010	3019	3038
60°	2944	2957	2976
65°	2857	2877	2900
70°	2758	2786	2810
75°	2648	2667	2698
80°	2490	2518	2537
85°	2266	2285	2322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	3.2
10°-20°	330.7	9.3
20°-30°	501.1	14.1
30°-40°	605.2	17.0
40°-50°	631.4	17.7
50°-60°	575.8	16.2
60°-70°	447.5	12.6
70°-80°	271.5	7.6
80°-90°	83.7	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°	947.0	26.6
0°-40°	1552.1	43.6
0°-60°	2759.3	77.5
0°-90°	3562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1217	1217	1217	1217	1217	
5°	1213	1212	1212	1212	1213	115
15°	1172	1172	1172	1172	1173	331
25°	1088	1086	1086	1088	1089	502
35°	967	966	965	969	969	605
45°	818	817	817	821	820	631
55°	642	643	643	645	648	574
65°	449	450	452	454	455	444
75°	255	254	256	259	260	269
85°	73	74	74	76	75	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1217.1	1217.1	1217.1	1217.1	1217.1
2.5°	1217.7	1215.8	1215.8	1215.2	1217.1
5°	1213.4	1211.6	1212.2	1211.6	1212.8
7.5°	1206.1	1204.9	1205.5	1204.9	1206.1
10°	1198.3	1197.1	1197.1	1197.1	1198.9
12.5°	1187.3	1186.1	1186.1	1186.1	1187.3
15°	1171.6	1171.6	1171.6	1171.6	1172.8
17.5°	1155.8	1154.0	1154.6	1154.0	1155.8
20°	1136.4	1134.0	1134.6	1134.6	1136.4
22.5°	1114.0	1111.5	1112.2	1112.2	1113.4
25°	1088.5	1086.1	1086.1	1087.9	1089.1
27.5°	1060.6	1058.8	1058.2	1061.2	1061.8
30°	1031.5	1030.3	1029.1	1032.1	1032.7
32.5°	1000.6	999.4	998.8	1001.8	1001.8
35°	967.2	966.0	965.4	969.0	969.0
37.5°	932.7	932.1	930.8	934.5	935.1
40°	896.3	895.1	894.5	898.1	898.1
42.5°	858.1	856.9	857.5	860.5	859.9
45°	818.0	817.4	817.4	821.1	820.5
47.5°	776.8	775.6	776.2	779.8	778.6
50°	733.8	732.5	733.1	736.8	735.6
52.5°	689.5	688.3	689.5	693.1	693.1
55°	641.6	642.8	643.4	645.2	647.6
57.5°	594.9	595.5	597.9	599.1	601.0
60°	547.0	548.2	549.4	551.8	553.0
62.5°	497.9	499.7	503.3	503.3	504.5
65°	448.7	450.0	451.8	453.6	455.4
67.5°	400.2	400.8	403.9	404.5	406.3
70°	350.5	351.1	354.1	354.7	357.2
72.5°	303.2	302.6	305.0	308.1	308.1
75°	254.7	254.1	256.5	258.9	259.5
77.5°	207.4	206.8	208.6	211.6	211.6
80°	160.7	161.9	162.5	164.9	163.7
82.5°	115.8	116.4	117.0	118.9	117.6
85°	73.4	74.0	74.0	75.8	75.2
87.5°	34.6	34.0	34.0	35.2	34.6
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)