

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: P568312

Luminaire Tested: **14CGTX-30HE-L950**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CGTX-30HE-L950
Description: 1X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

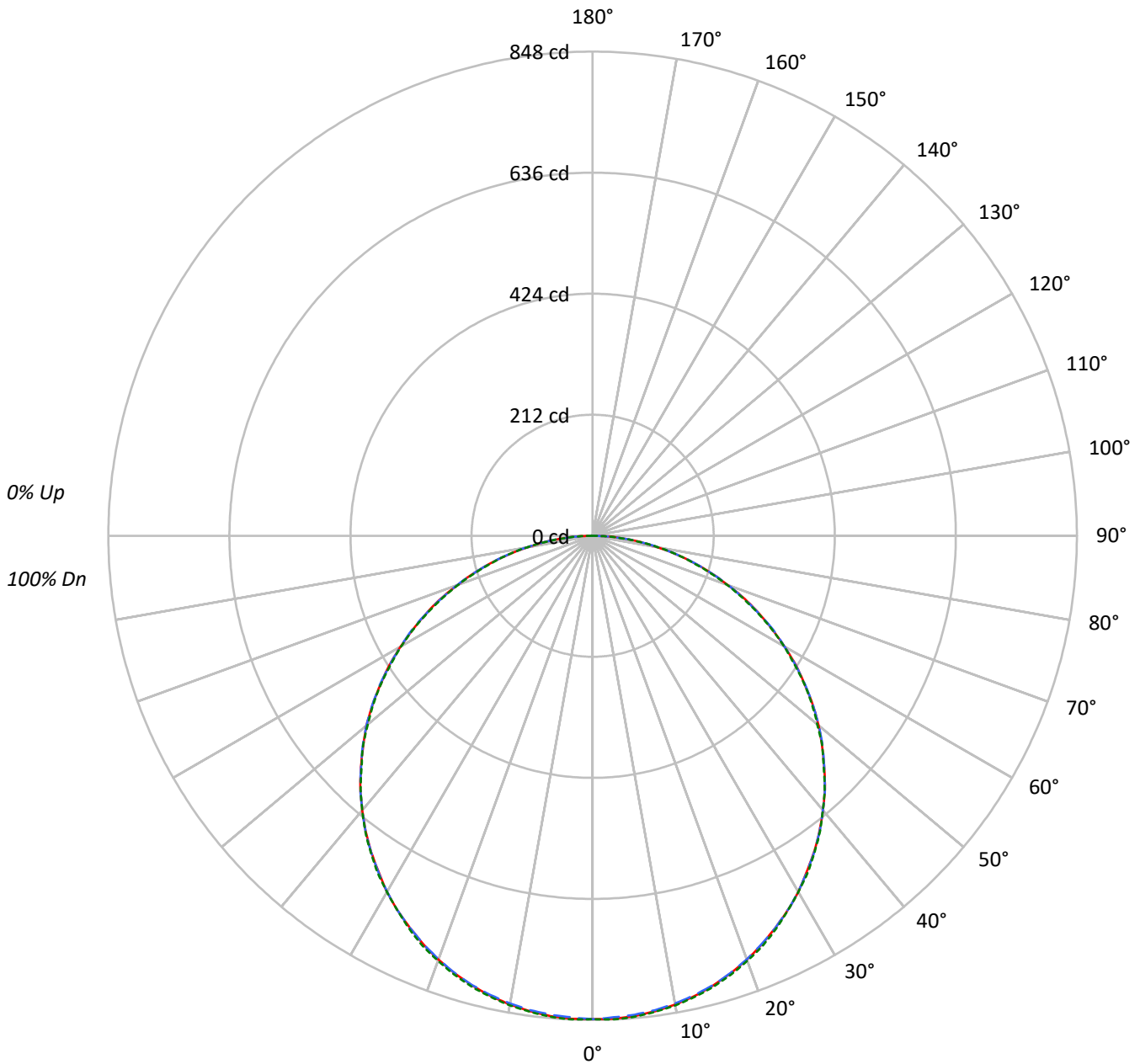
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2503.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.4
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	93	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	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57								
4	82	69	60	54	79	68	60	53	66	58	52	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	44	39	50	44	39	37								
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32								
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29								
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2278	2278	2278
5°	2281	2274	2284
10°	2278	2272	2282
15°	2271	2270	2278
20°	2262	2260	2268
25°	2249	2249	2256
30°	2238	2237	2238
35°	2221	2222	2225
40°	2204	2204	2204
45°	2184	2183	2177
50°	2164	2164	2150
55°	2126	2132	2123
60°	2088	2088	2083
65°	2043	2041	2029
70°	1976	1986	1964
75°	1914	1917	1891
80°	1779	1808	1808
85°	1673	1655	1627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	3.2
10°-20°	230.3	9.2
20°-30°	349.6	14.0
30°-40°	423.4	16.9
40°-50°	442.9	17.7
50°-60°	405.6	16.2
60°-70°	317.2	12.7
70°-80°	194.0	7.8
80°-90°	59.8	2.4
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°	660.2	26.4
0°-40°	1083.5	43.3
0°-60°	1932.0	77.2
0°-90°	2503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2503.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	847	847	847	847	847	
5°	844	844	842	845	846	80
15°	815	816	815	817	818	230
25°	757	759	757	759	760	349
35°	676	676	676	677	677	423
45°	574	575	574	574	572	443
55°	453	456	454	453	452	406
65°	321	322	320	319	319	317
75°	184	183	184	183	182	194
85°	54	52	54	52	53	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	846.7	846.7	846.7	846.7	846.7
2.5°	846.7	846.7	844.2	847.3	847.9
5°	844.5	844.5	842.0	844.8	845.7
7.5°	839.8	840.1	837.9	840.7	841.0
10°	833.5	833.8	831.6	834.7	835.1
12.5°	825.6	826.0	824.1	826.9	827.2
15°	815.3	815.9	814.7	816.9	817.8
17.5°	803.4	804.3	802.8	805.6	805.9
20°	789.9	790.2	789.3	791.5	792.1
22.5°	774.5	775.5	773.9	776.7	777.7
25°	757.3	758.9	757.3	759.2	759.8
27.5°	739.7	741.0	739.7	740.7	740.0
30°	720.3	720.6	720.0	720.3	720.3
32.5°	697.7	699.0	698.3	699.9	700.5
35°	676.1	676.4	676.4	677.3	677.3
37.5°	652.6	652.6	652.9	653.8	653.8
40°	627.5	628.1	627.5	628.1	627.5
42.5°	602.1	601.8	602.1	602.4	601.4
45°	573.8	574.8	573.5	573.5	572.0
47.5°	544.7	546.6	546.3	545.3	545.6
50°	516.8	517.4	516.8	515.8	513.6
52.5°	485.7	487.6	486.0	486.4	483.8
55°	453.1	456.3	454.4	453.1	452.5
57.5°	422.1	423.0	421.1	419.6	418.6
60°	387.9	389.1	387.9	386.6	387.0
62.5°	354.3	356.2	356.5	354.0	353.4
65°	320.8	322.4	320.5	319.2	318.6
67.5°	288.2	287.9	286.3	284.7	284.1
70°	251.2	253.4	252.4	252.7	249.6
72.5°	218.2	218.6	217.6	217.6	215.1
75°	184.1	183.1	184.4	183.1	181.9
77.5°	150.2	151.1	150.8	149.3	150.5
80°	114.8	116.0	116.7	115.4	116.7
82.5°	85.0	85.0	84.7	84.7	83.7
85°	54.2	52.4	53.6	52.4	52.7
87.5°	24.8	24.5	23.2	24.1	23.8
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)