

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: P568287

Luminaire Tested: **14CGTX-30HE-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568287
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-L835
Description: 1X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

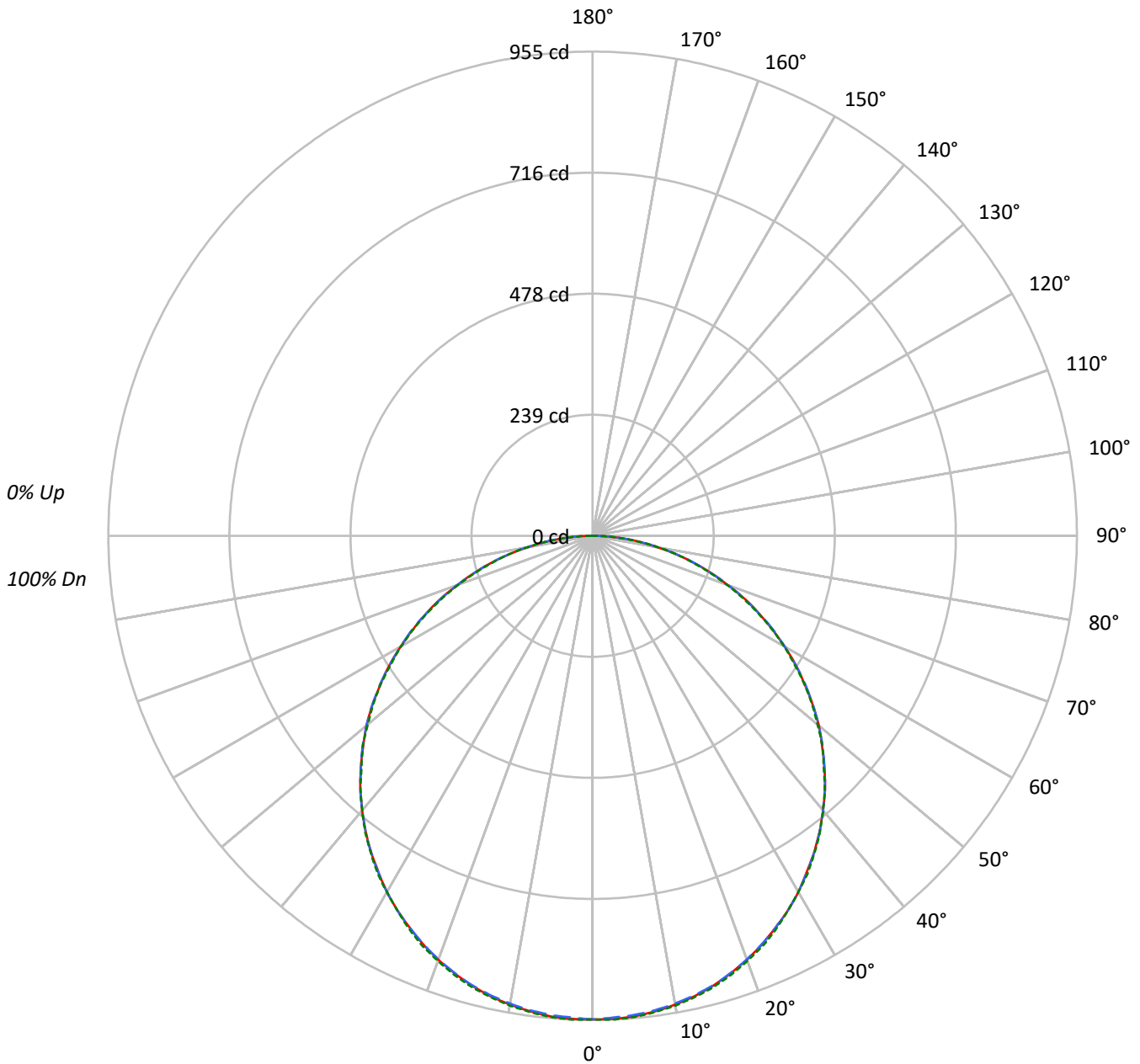
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2820.0 lumens
Efficiency: N/A
Efficacy: 125.9 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°	2567	2567	2567
5°	2570	2562	2574
10°	2566	2560	2571
15°	2559	2557	2567
20°	2548	2546	2556
25°	2533	2533	2542
30°	2522	2521	2522
35°	2502	2503	2507
40°	2483	2483	2483
45°	2460	2459	2452
50°	2437	2437	2423
55°	2395	2402	2392
60°	2352	2352	2347
65°	2301	2299	2285
70°	2227	2238	2212
75°	2156	2159	2130
80°	2004	2036	2036
85°	1886	1865	1834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	3.2
10°-20°	259.4	9.2
20°-30°	393.9	14.0
30°-40°	477.0	16.9
40°-50°	499.0	17.7
50°-60°	457.0	16.2
60°-70°	357.4	12.7
70°-80°	218.6	7.8
80°-90°	67.3	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°	743.8	26.4
0°-40°	1220.7	43.3
0°-60°	2176.7	77.2
0°-90°	2820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	951	951	949	952	953	90
15°	919	919	918	920	921	259
25°	853	855	853	855	856	394
35°	762	762	762	763	763	477
45°	646	648	646	646	644	499
55°	510	514	512	510	510	457
65°	361	363	361	360	359	358
75°	207	206	208	206	205	219
85°	61	59	60	59	59	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.9	953.9	953.9	953.9	953.9
2.5°	953.9	953.9	951.1	954.6	955.3
5°	951.4	951.4	948.6	951.8	952.8
7.5°	946.1	946.5	944.0	947.2	947.5
10°	939.0	939.4	936.9	940.5	940.8
12.5°	930.2	930.6	928.4	931.6	932.0
15°	918.6	919.3	917.9	920.3	921.4
17.5°	905.1	906.2	904.4	907.6	908.0
20°	889.9	890.3	889.2	891.7	892.4
22.5°	872.6	873.7	871.9	875.1	876.2
25°	853.2	855.0	853.2	855.3	856.0
27.5°	833.4	834.8	833.4	834.5	833.8
30°	811.5	811.9	811.2	811.5	811.5
32.5°	786.1	787.5	786.8	788.5	789.3
35°	761.7	762.0	762.0	763.1	763.1
37.5°	735.2	735.2	735.6	736.6	736.6
40°	706.9	707.6	706.9	707.6	706.9
42.5°	678.3	678.0	678.3	678.7	677.6
45°	646.5	647.6	646.2	646.2	644.4
47.5°	613.7	615.8	615.4	614.4	614.7
50°	582.2	582.9	582.2	581.2	578.7
52.5°	547.2	549.4	547.6	548.0	545.1
55°	510.5	514.0	511.9	510.5	509.8
57.5°	475.5	476.6	474.5	472.7	471.6
60°	437.0	438.4	437.0	435.6	436.0
62.5°	399.2	401.3	401.7	398.9	398.2
65°	361.4	363.2	361.1	359.7	358.9
67.5°	324.7	324.3	322.6	320.8	320.1
70°	283.0	285.5	284.4	284.8	281.2
72.5°	245.9	246.2	245.2	245.2	242.4
75°	207.4	206.3	207.7	206.3	204.9
77.5°	169.2	170.3	169.9	168.2	169.6
80°	129.3	130.7	131.4	130.0	131.4
82.5°	95.7	95.7	95.4	95.4	94.3
85°	61.1	59.0	60.4	59.0	59.4
87.5°	27.9	27.6	26.1	27.2	26.9
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)