

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: P568499

Luminaire Tested: **24CGTX-30HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568499
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-30HE-L950
Description: 2X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

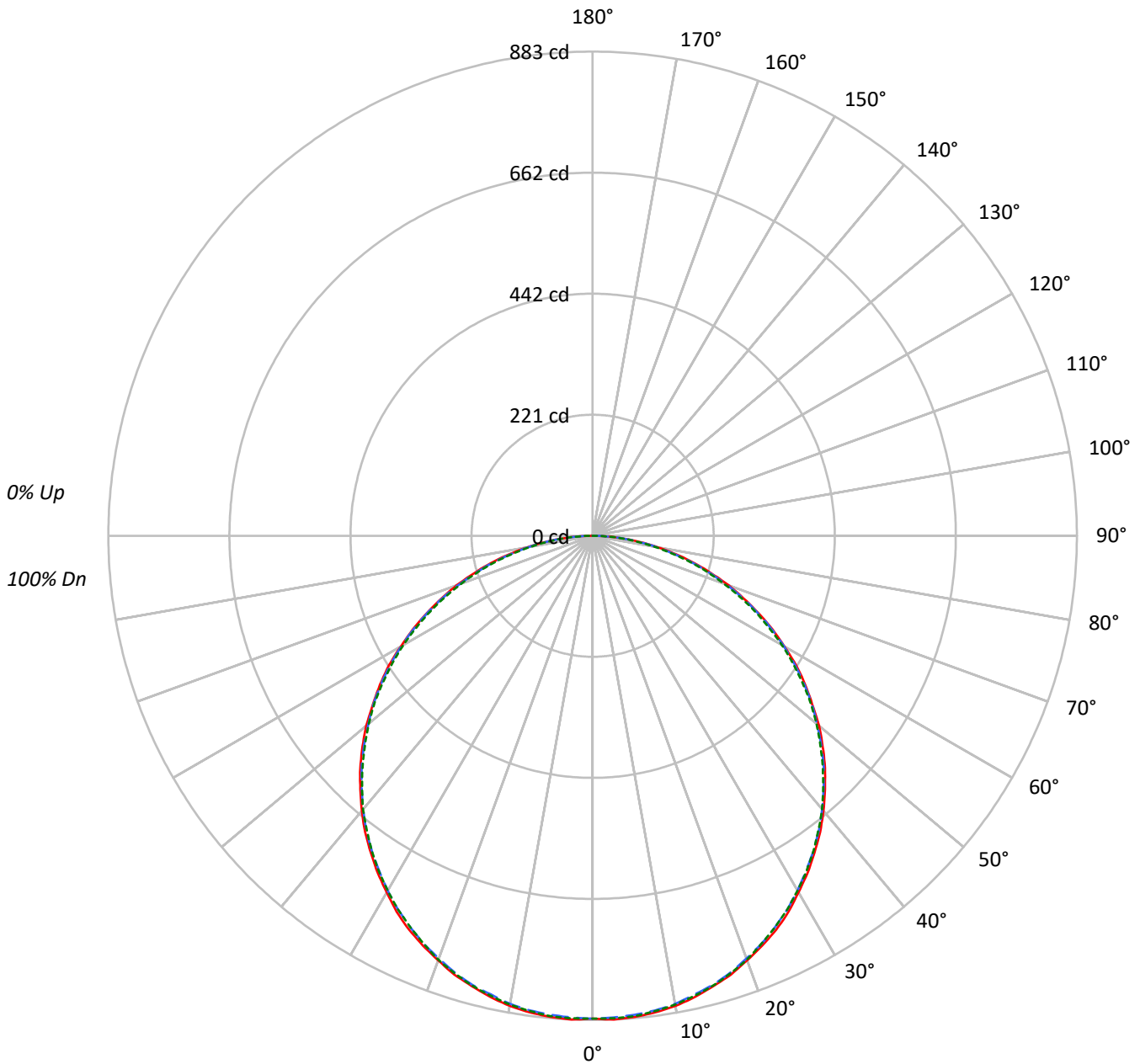
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2588.0 lumens
Efficiency: N/A
Efficacy: 116.1 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): 22.3
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	23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1185	1185	1185
5°	1189	1184	1188
10°	1189	1184	1186
15°	1185	1181	1183
20°	1180	1174	1178
25°	1176	1169	1169
30°	1166	1161	1161
35°	1158	1152	1152
40°	1150	1144	1144
45°	1140	1133	1128
50°	1128	1117	1115
55°	1110	1104	1095
60°	1087	1083	1073
65°	1060	1056	1040
70°	1037	1018	998
75°	997	971	951
80°	938	919	880
85°	857	838	798



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	3.2
10°-20°	239.3	9.2
20°-30°	363.1	14.0
30°-40°	439.4	17.0
40°-50°	459.0	17.7
50°-60°	419.9	16.2
60°-70°	326.8	12.6
70°-80°	197.0	7.6
80°-90°	60.0	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°	685.9	26.5
0°-40°	1125.3	43.5
0°-60°	2004.2	77.4
0°-90°	2588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	881	881	881	881	881	
5°	881	878	877	877	880	84
15°	850	848	848	847	849	240
25°	792	789	787	786	787	365
35°	705	703	702	702	702	442
45°	599	596	596	593	593	462
55°	473	472	471	467	467	423
65°	333	333	332	327	327	330
75°	192	189	187	183	183	202
85°	56	54	54	52	52	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	880.7	880.7	880.7	880.7	880.7
2.5°	883.2	880.7	879.5	879.5	880.7
5°	880.7	878.2	876.9	876.9	879.5
7.5°	876.9	873.2	873.2	871.9	874.4
10°	870.6	866.8	866.8	865.6	868.1
12.5°	861.8	858.0	856.8	856.8	859.3
15°	850.4	847.9	847.9	846.7	849.2
17.5°	839.1	835.3	835.3	834.0	836.6
20°	823.9	821.4	820.2	820.2	822.7
22.5°	808.8	806.3	805.0	805.0	805.0
25°	792.4	788.6	787.4	786.1	787.4
27.5°	773.5	768.4	768.4	767.2	768.4
30°	750.8	748.2	747.0	745.7	747.0
32.5°	729.3	725.5	724.3	725.5	725.5
35°	705.3	702.8	701.6	701.6	701.6
37.5°	681.4	677.6	677.6	676.3	676.3
40°	654.9	652.3	651.1	651.1	651.1
42.5°	627.1	624.6	623.3	622.1	622.1
45°	599.3	595.6	595.6	593.0	593.0
47.5°	569.1	566.5	565.3	562.8	562.8
50°	538.8	536.3	533.7	533.7	532.5
52.5°	504.7	504.7	503.5	500.9	500.9
55°	473.2	471.9	470.6	466.9	466.9
57.5°	440.4	439.1	436.6	432.8	432.8
60°	403.8	403.8	402.5	397.5	398.7
62.5°	369.7	368.4	367.2	363.4	362.1
65°	333.1	333.1	331.8	326.8	326.8
67.5°	297.8	297.8	295.3	290.2	290.2
70°	263.7	259.9	258.7	254.9	253.6
72.5°	225.9	224.6	222.1	218.3	218.3
75°	191.8	189.3	186.7	183.0	183.0
77.5°	155.2	152.7	150.2	148.9	146.4
80°	121.1	119.9	118.6	114.8	113.6
82.5°	87.1	85.8	84.5	83.3	82.0
85°	55.5	54.3	54.3	51.7	51.7
87.5°	24.0	25.2	22.7	24.0	22.7
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)