

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: P568477

Luminaire Tested: **24CGTX-30HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568477
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-L940
Description: 2X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

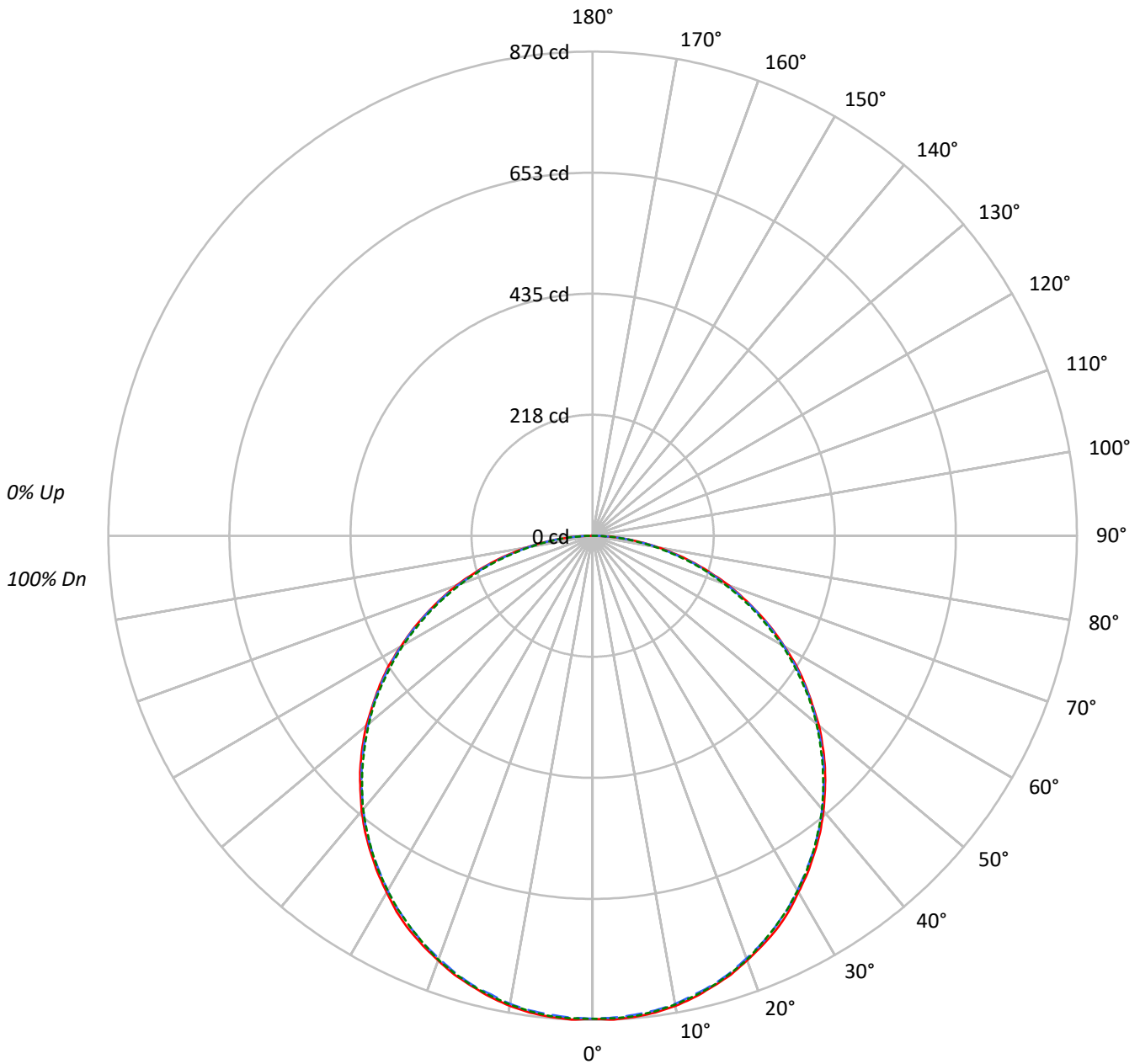
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2550.0 lumens
Efficiency: N/A
Efficacy: 114.3 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): 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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83	83	83	83	83	83		
	2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69	69	69	69	69	69		
	3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58	58	58	58	58	58		
	4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49	49	49	49	49	49		
	5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42	42	42	42	42	42		
	6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37	37	37	37	37	37		
	7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32	32	32	32	32	32		
	8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29	29	29	29	29	29		
	9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26	26	26	26	26	26		
	10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24	24	24	24	24	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1168	1168	1168
5°	1172	1167	1170
10°	1172	1167	1169
15°	1167	1164	1165
20°	1162	1157	1161
25°	1159	1152	1152
30°	1149	1143	1143
35°	1142	1135	1135
40°	1133	1127	1127
45°	1124	1117	1112
50°	1111	1101	1098
55°	1094	1088	1079
60°	1070	1067	1057
65°	1045	1041	1025
70°	1022	1003	983
75°	983	957	937
80°	925	906	867
85°	844	826	787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	3.2
10°-20°	235.8	9.2
20°-30°	357.8	14.0
30°-40°	432.9	17.0
40°-50°	452.3	17.7
50°-60°	413.7	16.2
60°-70°	322.0	12.6
70°-80°	194.1	7.6
80°-90°	59.2	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°	675.8	26.5
0°-40°	1108.8	43.5
0°-60°	1974.8	77.4
0°-90°	2550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	868	868	868	868	868	
5°	868	865	864	864	867	83
15°	838	836	836	834	837	237
25°	781	777	776	774	776	360
35°	695	692	691	691	691	435
45°	590	587	587	584	584	455
55°	466	465	464	460	460	416
65°	328	328	327	322	322	325
75°	189	186	184	180	180	199
85°	55	54	54	51	51	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	867.8	867.8	867.8	867.8	867.8
2.5°	870.3	867.8	866.6	866.6	867.8
5°	867.8	865.3	864.1	864.1	866.6
7.5°	864.1	860.3	860.3	859.1	861.6
10°	857.8	854.1	854.1	852.9	855.4
12.5°	849.1	845.4	844.2	844.2	846.7
15°	838.0	835.5	835.5	834.2	836.7
17.5°	826.8	823.0	823.0	821.8	824.3
20°	811.8	809.4	808.1	808.1	810.6
22.5°	796.9	794.4	793.2	793.2	793.2
25°	780.8	777.0	775.8	774.5	775.8
27.5°	762.1	757.1	757.1	755.9	757.1
30°	739.7	737.3	736.0	734.8	736.0
32.5°	718.6	714.9	713.6	714.9	714.9
35°	695.0	692.5	691.3	691.3	691.3
37.5°	671.4	667.6	667.6	666.4	666.4
40°	645.3	642.8	641.5	641.5	641.5
42.5°	617.9	615.4	614.2	612.9	612.9
45°	590.5	586.8	586.8	584.3	584.3
47.5°	560.7	558.2	557.0	554.5	554.5
50°	530.9	528.4	525.9	525.9	524.7
52.5°	497.3	497.3	496.1	493.6	493.6
55°	466.2	465.0	463.7	460.0	460.0
57.5°	433.9	432.7	430.2	426.4	426.4
60°	397.8	397.8	396.6	391.6	392.9
62.5°	364.3	363.0	361.8	358.1	356.8
65°	328.2	328.2	327.0	322.0	322.0
67.5°	293.4	293.4	290.9	285.9	285.9
70°	259.8	256.1	254.9	251.1	249.9
72.5°	222.5	221.3	218.8	215.1	215.1
75°	189.0	186.5	184.0	180.3	180.3
77.5°	152.9	150.4	147.9	146.7	144.2
80°	119.4	118.1	116.9	113.1	111.9
82.5°	85.8	84.5	83.3	82.1	80.8
85°	54.7	53.5	53.5	51.0	51.0
87.5°	23.6	24.9	22.4	23.6	22.4
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)