

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: P568421

Luminaire Tested: **24CGTX-20HE-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568421
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-20HE-L830
Description: 2X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

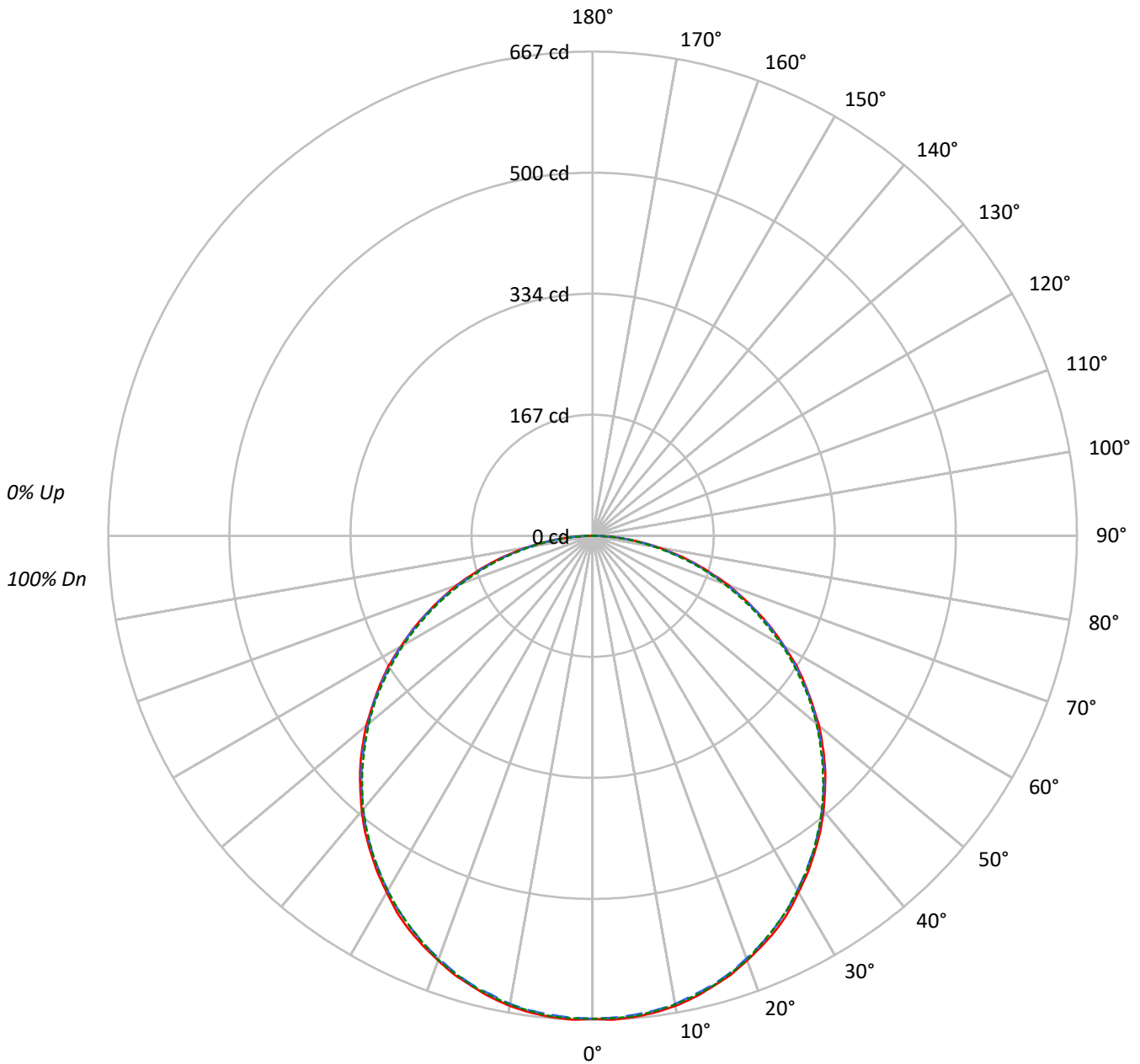
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1955.0 lumens
Efficiency: N/A
Efficacy: 132.1 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): 14.8
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	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°	895	895	895
5°	899	895	897
10°	899	895	896
15°	895	892	894
20°	891	887	890
25°	889	883	883
30°	881	877	877
35°	875	871	871
40°	869	864	864
45°	862	856	852
50°	852	844	842
55°	838	834	827
60°	821	818	811
65°	801	798	786
70°	784	769	754
75°	753	734	718
80°	709	694	665
85°	647	633	604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	3.2
10°-20°	180.8	9.2
20°-30°	274.3	14.0
30°-40°	331.9	17.0
40°-50°	346.7	17.7
50°-60°	317.2	16.2
60°-70°	246.9	12.6
70°-80°	148.8	7.6
80°-90°	45.4	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°	518.1	26.5
0°-40°	850.1	43.5
0°-60°	1514.0	77.4
0°-90°	1955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	665	665	665	665	665	
5°	665	663	662	662	664	63
15°	642	640	640	640	642	181
25°	599	596	595	594	595	276
35°	533	531	530	530	530	334
45°	453	450	450	448	448	349
55°	357	356	356	353	353	319
65°	252	252	251	247	247	249
75°	145	143	141	138	138	152
85°	42	41	41	39	39	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	665.3	665.3	665.3	665.3	665.3
2.5°	667.2	665.3	664.4	664.4	665.3
5°	665.3	663.4	662.4	662.4	664.4
7.5°	662.4	659.6	659.6	658.6	660.5
10°	657.7	654.8	654.8	653.9	655.8
12.5°	651.0	648.2	647.2	647.2	649.1
15°	642.4	640.5	640.5	639.6	641.5
17.5°	633.9	631.0	631.0	630.0	631.9
20°	622.4	620.5	619.6	619.6	621.5
22.5°	611.0	609.1	608.1	608.1	608.1
25°	598.6	595.7	594.8	593.8	594.8
27.5°	584.3	580.5	580.5	579.5	580.5
30°	567.1	565.2	564.3	563.3	564.3
32.5°	550.9	548.1	547.1	548.1	548.1
35°	532.8	530.9	530.0	530.0	530.0
37.5°	514.7	511.8	511.8	510.9	510.9
40°	494.7	492.8	491.8	491.8	491.8
42.5°	473.7	471.8	470.9	469.9	469.9
45°	452.8	449.9	449.9	448.0	448.0
47.5°	429.9	428.0	427.0	425.1	425.1
50°	407.0	405.1	403.2	403.2	402.2
52.5°	381.3	381.3	380.3	378.4	378.4
55°	357.4	356.5	355.5	352.7	352.7
57.5°	332.7	331.7	329.8	326.9	326.9
60°	305.0	305.0	304.1	300.2	301.2
62.5°	279.3	278.3	277.4	274.5	273.6
65°	251.6	251.6	250.7	246.9	246.9
67.5°	224.9	224.9	223.0	219.2	219.2
70°	199.2	196.4	195.4	192.5	191.6
72.5°	170.6	169.7	167.8	164.9	164.9
75°	144.9	143.0	141.1	138.2	138.2
77.5°	117.2	115.3	113.4	112.5	110.6
80°	91.5	90.6	89.6	86.7	85.8
82.5°	65.8	64.8	63.9	62.9	62.0
85°	41.9	41.0	41.0	39.1	39.1
87.5°	18.1	19.1	17.2	18.1	17.2
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)