

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: P568476

Luminaire Tested: **24CGTX-20HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568476
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-L940
Description: 2X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

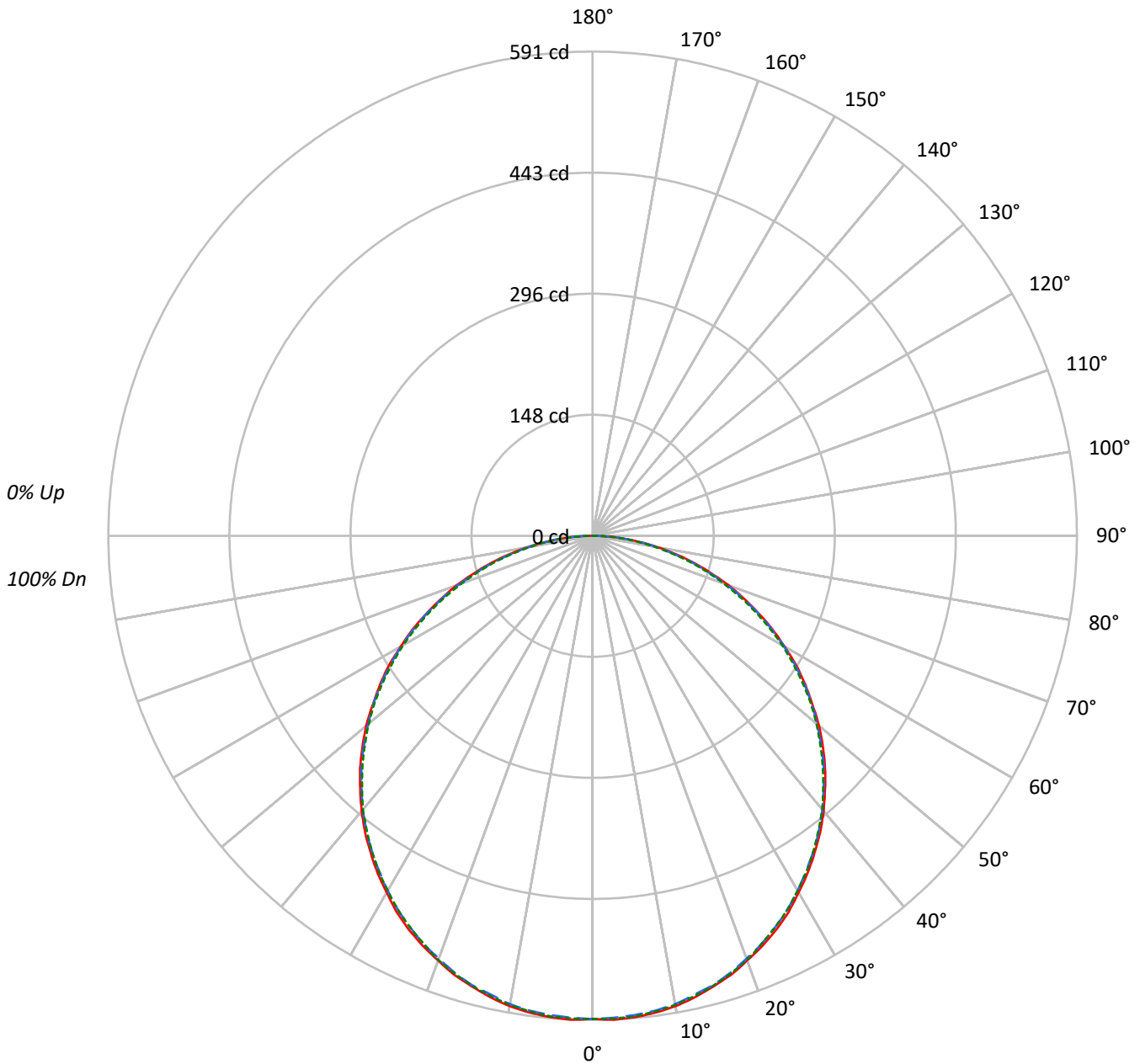
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1733.0 lumens
Efficiency: N/A
Efficacy: 117.1 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				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	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	794	794	794
5°	797	793	795
10°	797	793	794
15°	793	791	792
20°	790	786	789
25°	788	783	783
30°	781	777	777
35°	776	772	772
40°	770	766	766
45°	764	759	756
50°	755	748	746
55°	743	739	733
60°	728	725	718
65°	710	707	697
70°	695	681	668
75°	667	650	637
80°	628	615	589
85°	574	560	534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	3.2
10°-20°	160.2	9.2
20°-30°	243.2	14.0
30°-40°	294.2	17.0
40°-50°	307.4	17.7
50°-60°	281.2	16.2
60°-70°	218.8	12.6
70°-80°	131.9	7.6
80°-90°	40.2	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°	459.3	26.5
0°-40°	753.5	43.5
0°-60°	1342.0	77.4
0°-90°	1733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1733.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	590	590	590	590	590	
5°	590	588	587	587	589	56
15°	570	568	568	567	569	161
25°	531	528	527	526	527	244
35°	472	471	470	470	470	296
45°	401	399	399	397	397	309
55°	317	316	315	313	313	283
65°	223	223	222	219	219	221
75°	128	127	125	122	122	135
85°	37	36	36	35	35	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	589.8	589.8	589.8	589.8	589.8
2.5°	591.4	589.8	588.9	588.9	589.8
5°	589.8	588.1	587.2	587.2	588.9
7.5°	587.2	584.7	584.7	583.8	585.5
10°	583.0	580.5	580.5	579.6	581.3
12.5°	577.1	574.6	573.7	573.7	575.4
15°	569.5	567.8	567.8	566.9	568.6
17.5°	561.9	559.3	559.3	558.5	560.2
20°	551.7	550.0	549.2	549.2	550.9
22.5°	541.6	539.9	539.1	539.1	539.1
25°	530.6	528.1	527.2	526.4	527.2
27.5°	517.9	514.6	514.6	513.7	514.6
30°	502.7	501.0	500.2	499.4	500.2
32.5°	488.4	485.8	485.0	485.8	485.8
35°	472.3	470.6	469.8	469.8	469.8
37.5°	456.3	453.7	453.7	452.9	452.9
40°	438.5	436.8	436.0	436.0	436.0
42.5°	419.9	418.2	417.4	416.5	416.5
45°	401.3	398.8	398.8	397.1	397.1
47.5°	381.1	379.4	378.5	376.8	376.8
50°	360.8	359.1	357.4	357.4	356.6
52.5°	338.0	338.0	337.1	335.4	335.4
55°	316.8	316.0	315.2	312.6	312.6
57.5°	294.9	294.0	292.3	289.8	289.8
60°	270.4	270.4	269.5	266.2	267.0
62.5°	247.6	246.7	245.9	243.3	242.5
65°	223.1	223.1	222.2	218.8	218.8
67.5°	199.4	199.4	197.7	194.3	194.3
70°	176.6	174.1	173.2	170.7	169.8
72.5°	151.2	150.4	148.7	146.2	146.2
75°	128.4	126.7	125.0	122.5	122.5
77.5°	103.9	102.2	100.5	99.7	98.0
80°	81.1	80.3	79.4	76.9	76.0
82.5°	58.3	57.5	56.6	55.8	54.9
85°	37.2	36.3	36.3	34.6	34.6
87.5°	16.1	16.9	15.2	16.1	15.2
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)