

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: P568498

Luminaire Tested: **24CGTX-20HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568498
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-L950
Description: 2X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

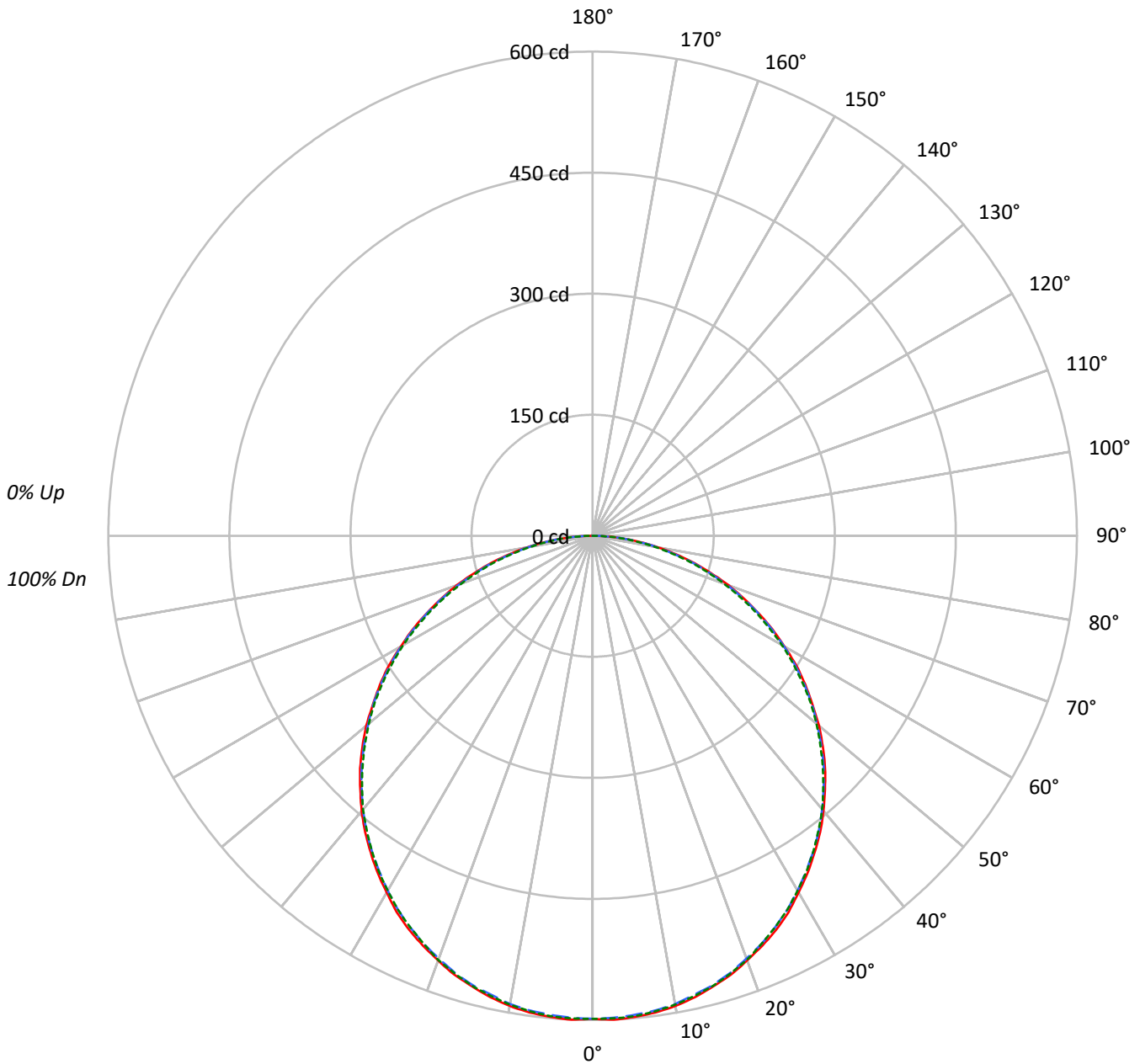
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1759.0 lumens
Efficiency: N/A
Efficacy: 118.9 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

TEST NUMBER: P568498
CATALOG NUMBER: 24CGTX-20HE-L950

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°	805	805	805
5°	808	805	807
10°	808	805	806
15°	805	803	804
20°	802	798	801
25°	800	794	794
30°	793	789	789
35°	787	783	783
40°	782	777	777
45°	775	770	767
50°	767	759	758
55°	754	750	744
60°	738	736	729
65°	721	718	707
70°	705	692	678
75°	678	660	647
80°	638	625	598
85°	582	570	543



TEST NUMBER: P568498

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	3.2
10°-20°	162.6	9.2
20°-30°	246.8	14.0
30°-40°	298.6	17.0
40°-50°	312.0	17.7
50°-60°	285.4	16.2
60°-70°	222.1	12.6
70°-80°	133.9	7.6
80°-90°	40.8	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°	466.2	26.5
0°-40°	764.8	43.5
0°-60°	1362.2	77.4
0°-90°	1759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1759.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	599	599	599	599	599	
5°	599	597	596	596	598	57
15°	578	576	576	576	577	163
25°	539	536	535	534	535	248
35°	479	478	477	477	477	300
45°	407	405	405	403	403	314
55°	322	321	320	317	317	287
65°	226	226	226	222	222	224
75°	130	129	127	124	124	137
85°	38	37	37	35	35	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	598.6	598.6	598.6	598.6	598.6
2.5°	600.3	598.6	597.7	597.7	598.6
5°	598.6	596.9	596.0	596.0	597.7
7.5°	596.0	593.5	593.5	592.6	594.3
10°	591.7	589.2	589.2	588.3	590.0
12.5°	585.7	583.2	582.3	582.3	584.0
15°	578.0	576.3	576.3	575.5	577.2
17.5°	570.3	567.7	567.7	566.9	568.6
20°	560.0	558.3	557.4	557.4	559.2
22.5°	549.7	548.0	547.2	547.2	547.2
25°	538.6	536.0	535.1	534.3	535.1
27.5°	525.7	522.3	522.3	521.4	522.3
30°	510.3	508.6	507.7	506.8	507.7
32.5°	495.7	493.1	492.3	493.1	493.1
35°	479.4	477.7	476.8	476.8	476.8
37.5°	463.1	460.5	460.5	459.7	459.7
40°	445.1	443.4	442.5	442.5	442.5
42.5°	426.2	424.5	423.7	422.8	422.8
45°	407.4	404.8	404.8	403.1	403.1
47.5°	386.8	385.1	384.2	382.5	382.5
50°	366.2	364.5	362.8	362.8	361.9
52.5°	343.0	343.0	342.2	340.5	340.5
55°	321.6	320.7	319.9	317.3	317.3
57.5°	299.3	298.4	296.7	294.2	294.2
60°	274.4	274.4	273.6	270.1	271.0
62.5°	251.3	250.4	249.6	247.0	246.1
65°	226.4	226.4	225.5	222.1	222.1
67.5°	202.4	202.4	200.7	197.2	197.2
70°	179.2	176.7	175.8	173.2	172.4
72.5°	153.5	152.7	150.9	148.4	148.4
75°	130.4	128.6	126.9	124.4	124.4
77.5°	105.5	103.8	102.1	101.2	99.5
80°	82.3	81.5	80.6	78.0	77.2
82.5°	59.2	58.3	57.5	56.6	55.7
85°	37.7	36.9	36.9	35.2	35.2
87.5°	16.3	17.2	15.4	16.3	15.4
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)