

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: P568487

Luminaire Tested: **24CGTX-20HE-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568487
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-L850
Description: 2X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

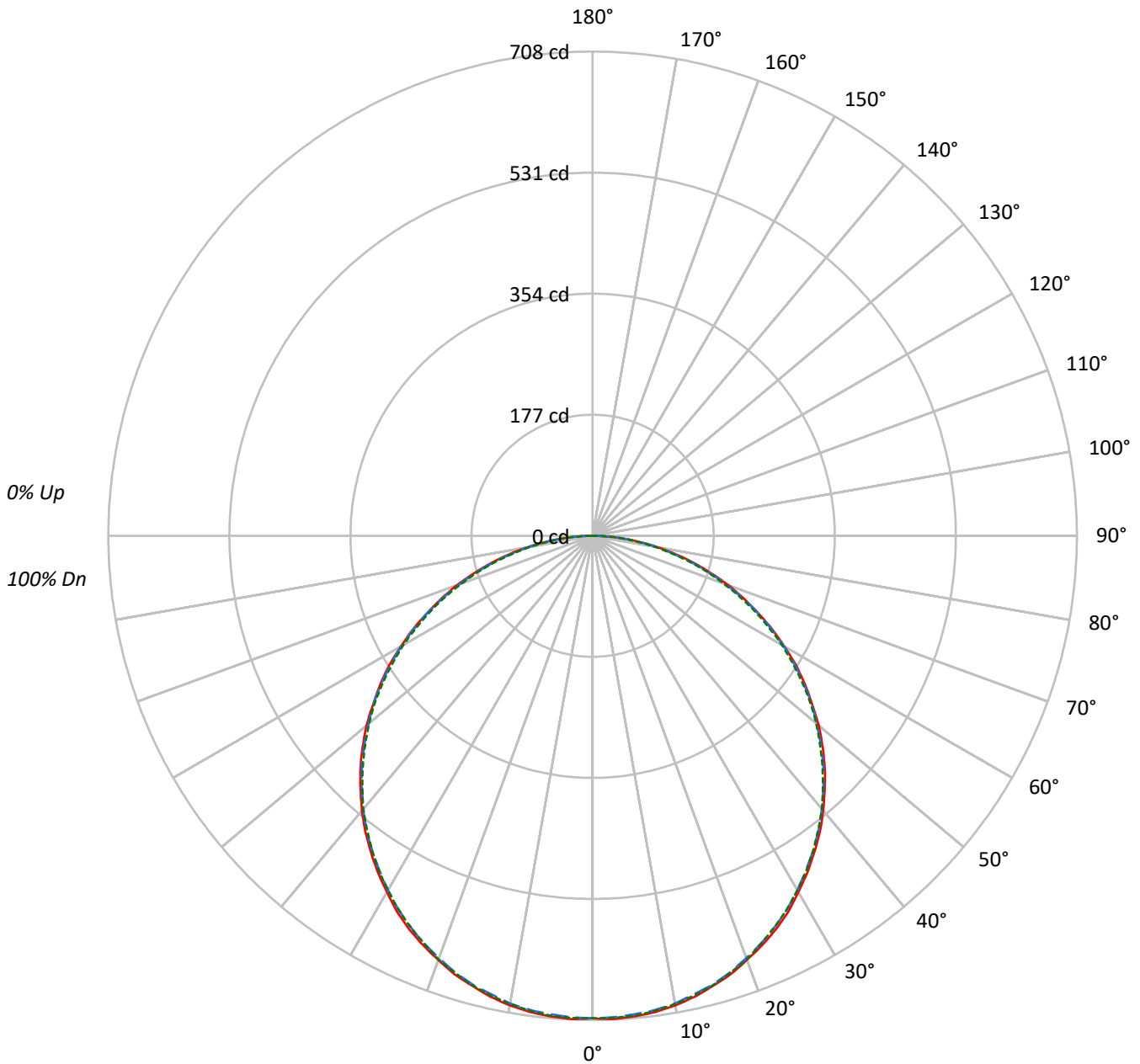
Lumens per Lamp: N/A
Luminaire Lumens: 2073.0 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	949	949	949
5°	953	949	952
10°	953	949	950
15°	949	946	947
20°	945	941	944
25°	942	936	936
30°	934	930	930
35°	928	923	923
40°	921	916	916
45°	914	908	904
50°	903	895	893
55°	889	884	877
60°	870	868	859
65°	849	846	833
70°	831	815	799
75°	799	778	762
80°	752	736	705
85°	687	672	639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	3.2
10°-20°	191.7	9.2
20°-30°	290.9	14.0
30°-40°	351.9	17.0
40°-50°	367.7	17.7
50°-60°	336.3	16.2
60°-70°	261.8	12.6
70°-80°	157.8	7.6
80°-90°	48.1	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°	549.4	26.5
0°-40°	901.4	43.5
0°-60°	1605.4	77.4
0°-90°	2073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2073.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	706	703	702	702	704	67
15°	681	679	679	678	680	192
25°	635	632	631	630	631	292
35°	565	563	562	562	562	354
45°	480	477	477	475	475	370
55°	379	378	377	374	374	339
65°	267	267	266	262	262	264
75°	154	152	150	147	147	162
85°	44	44	44	41	41	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	705.5	705.5	705.5	705.5	705.5
2.5°	707.5	705.5	704.5	704.5	705.5
5°	705.5	703.4	702.4	702.4	704.5
7.5°	702.4	699.4	699.4	698.4	700.4
10°	697.4	694.3	694.3	693.3	695.4
12.5°	690.3	687.3	686.3	686.3	688.3
15°	681.2	679.2	679.2	678.2	680.2
17.5°	672.1	669.1	669.1	668.1	670.1
20°	660.0	658.0	657.0	657.0	659.0
22.5°	647.9	645.8	644.8	644.8	644.8
25°	634.7	631.7	630.7	629.7	630.7
27.5°	619.6	615.5	615.5	614.5	615.5
30°	601.4	599.3	598.3	597.3	598.3
32.5°	584.2	581.1	580.1	581.1	581.1
35°	565.0	563.0	561.9	561.9	561.9
37.5°	545.8	542.7	542.7	541.7	541.7
40°	524.6	522.5	521.5	521.5	521.5
42.5°	502.3	500.3	499.3	498.3	498.3
45°	480.1	477.0	477.0	475.0	475.0
47.5°	455.8	453.8	452.8	450.8	450.8
50°	431.6	429.5	427.5	427.5	426.5
52.5°	404.3	404.3	403.3	401.2	401.2
55°	379.0	378.0	377.0	374.0	374.0
57.5°	352.7	351.7	349.7	346.7	346.7
60°	323.4	323.4	322.4	318.4	319.4
62.5°	296.1	295.1	294.1	291.1	290.1
65°	266.8	266.8	265.8	261.8	261.8
67.5°	238.5	238.5	236.5	232.5	232.5
70°	211.2	208.2	207.2	204.2	203.1
72.5°	180.9	179.9	177.9	174.9	174.9
75°	153.6	151.6	149.6	146.6	146.6
77.5°	124.3	122.3	120.3	119.3	117.2
80°	97.0	96.0	95.0	92.0	91.0
82.5°	69.7	68.7	67.7	66.7	65.7
85°	44.5	43.5	43.5	41.4	41.4
87.5°	19.2	20.2	18.2	19.2	18.2
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)