

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: P234130

Luminaire Tested: **22GR-LD5-70-A125-UNV-L935-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33297)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22GR-LD5-70-A125-UNV-L935-CD1-U
Description: METALUX 2X2 GRLED TROFFER
WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5913.4 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

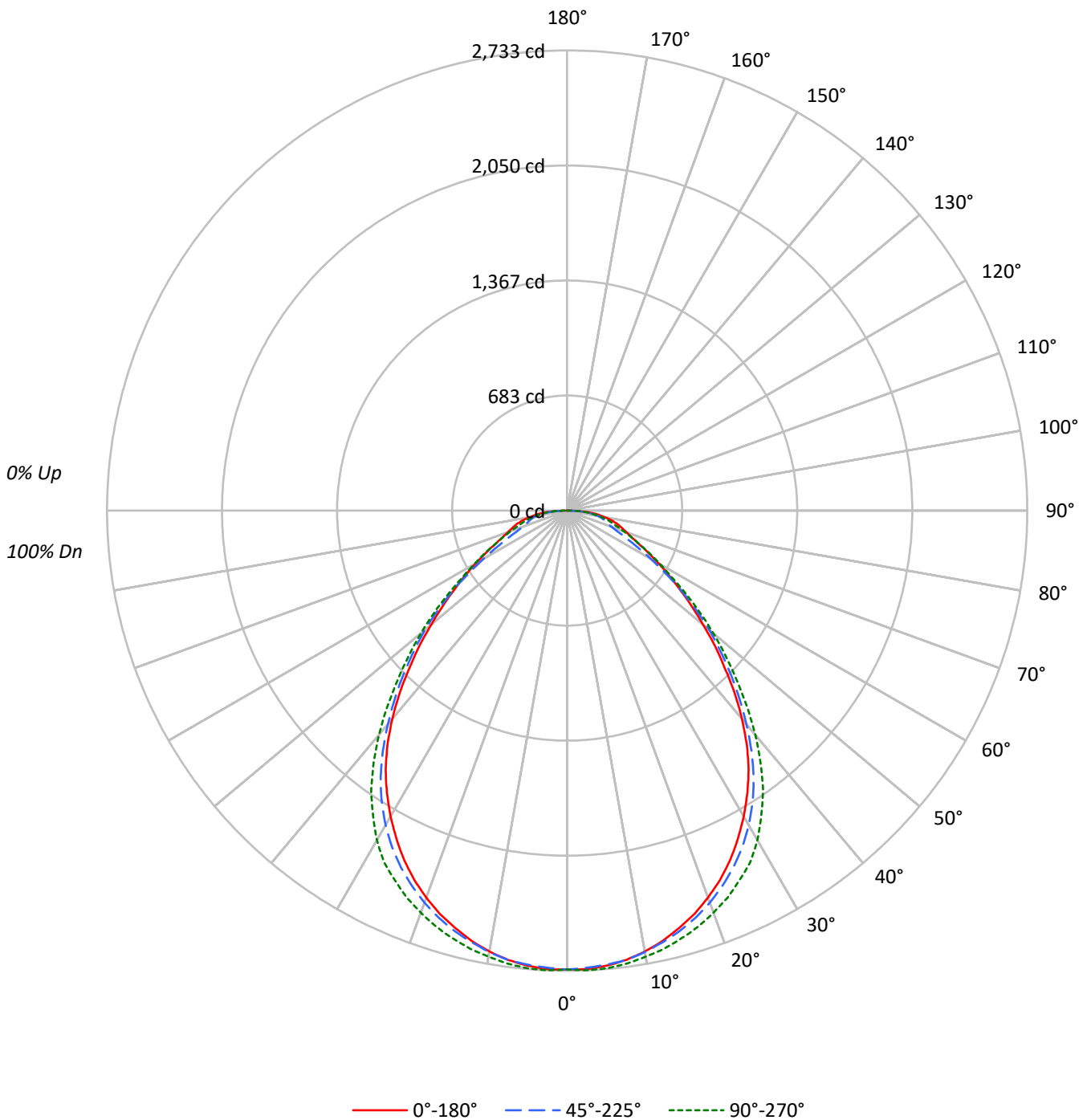
Input Watts (W): 64.16
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	46	41	39
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8729	8729	8729
5°	8723	8701	8772
10°	8649	8658	8748
15°	8512	8571	8717
20°	8336	8444	8660
25°	8093	8258	8560
30°	7755	7974	8357
35°	7347	7552	7934
40°	6755	6923	7268
45°	6001	6220	6444
50°	5241	5481	5646
55°	4558	4619	4788
60°	4009	3674	4089
65°	3562	2936	3584
70°	3499	2608	3304
75°	3821	2866	3378
80°	4196	3408	3611
85°	5016	3950	4053



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.6	4.4
10°-20°	730.6	12.4
20°-30°	1078.5	18.2
30°-40°	1206.8	20.4
40°-50°	1059.8	17.9
50°-60°	749.9	12.7
60°-70°	436.5	7.4
70°-80°	272.0	4.6
80°-90°	121.7	2.1
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°	2066.7	34.9
0°-40°	3273.5	55.4
0°-60°	5083.2	86.0
0°-90°	5913.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5913.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2726	2726	2726	2726	2726	
5°	2713	2706	2706	2720	2729	257
15°	2567	2573	2585	2613	2629	723
25°	2290	2300	2337	2392	2422	1052
35°	1879	1888	1932	1990	2030	1169
45°	1325	1340	1373	1406	1423	1025
55°	816	833	827	842	858	738
65°	470	433	387	422	473	477
75°	309	266	232	237	273	323
85°	136	142	108	105	110	139
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2725.8	2725.8	2725.8	2725.8	2725.8
2.5°	2725.8	2720.3	2717.5	2727.2	2732.7
5°	2713.4	2706.5	2706.5	2720.3	2728.6
7.5°	2691.4	2684.5	2692.7	2705.1	2713.4
10°	2659.6	2656.8	2662.4	2678.9	2690.0
12.5°	2618.3	2619.6	2625.1	2651.3	2665.2
15°	2567.3	2572.8	2585.2	2612.7	2629.3
17.5°	2512.1	2516.3	2535.5	2567.3	2590.7
20°	2446.0	2454.2	2477.7	2517.6	2541.1
22.5°	2372.9	2382.5	2411.4	2459.7	2488.6
25°	2290.2	2299.8	2337.0	2392.2	2422.5
27.5°	2196.4	2211.5	2252.9	2313.5	2354.9
30°	2097.1	2109.5	2156.4	2225.3	2259.8
32.5°	1991.0	2006.1	2050.2	2116.4	2146.8
35°	1879.3	1887.5	1931.6	1989.5	2029.5
37.5°	1752.4	1756.5	1797.9	1851.6	1887.5
40°	1615.9	1618.7	1655.9	1706.9	1738.6
42.5°	1473.9	1475.3	1515.3	1553.9	1581.4
45°	1325.0	1340.2	1373.3	1406.3	1422.9
47.5°	1191.3	1202.2	1232.6	1261.6	1276.7
50°	1052.0	1079.6	1100.2	1115.5	1133.3
52.5°	932.0	955.5	961.0	978.9	994.1
55°	816.3	832.7	827.2	842.4	857.6
57.5°	718.3	710.1	692.2	718.3	737.6
60°	625.9	603.9	573.6	609.4	638.4
62.5°	543.2	507.4	470.1	506.0	554.3
65°	470.1	432.9	387.4	421.9	472.9
67.5°	415.0	376.4	322.7	357.1	408.1
70°	373.7	333.6	278.5	307.4	352.9
72.5°	340.6	297.8	249.6	268.9	307.4
75°	308.8	266.1	231.6	237.2	273.0
77.5°	271.6	239.9	212.3	209.6	237.2
80°	227.5	217.9	184.8	180.6	195.8
82.5°	187.5	183.3	151.6	147.6	153.0
85°	136.5	142.0	107.5	104.8	110.3
87.5°	71.7	78.6	56.5	59.2	60.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)