

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: P234134

Luminaire Tested: **22GR-LD5-85-A125-UNV-L935-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234134
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-LD5-85-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: 7235.2 lumens
Efficiency: N/A
Efficacy: 89.3 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

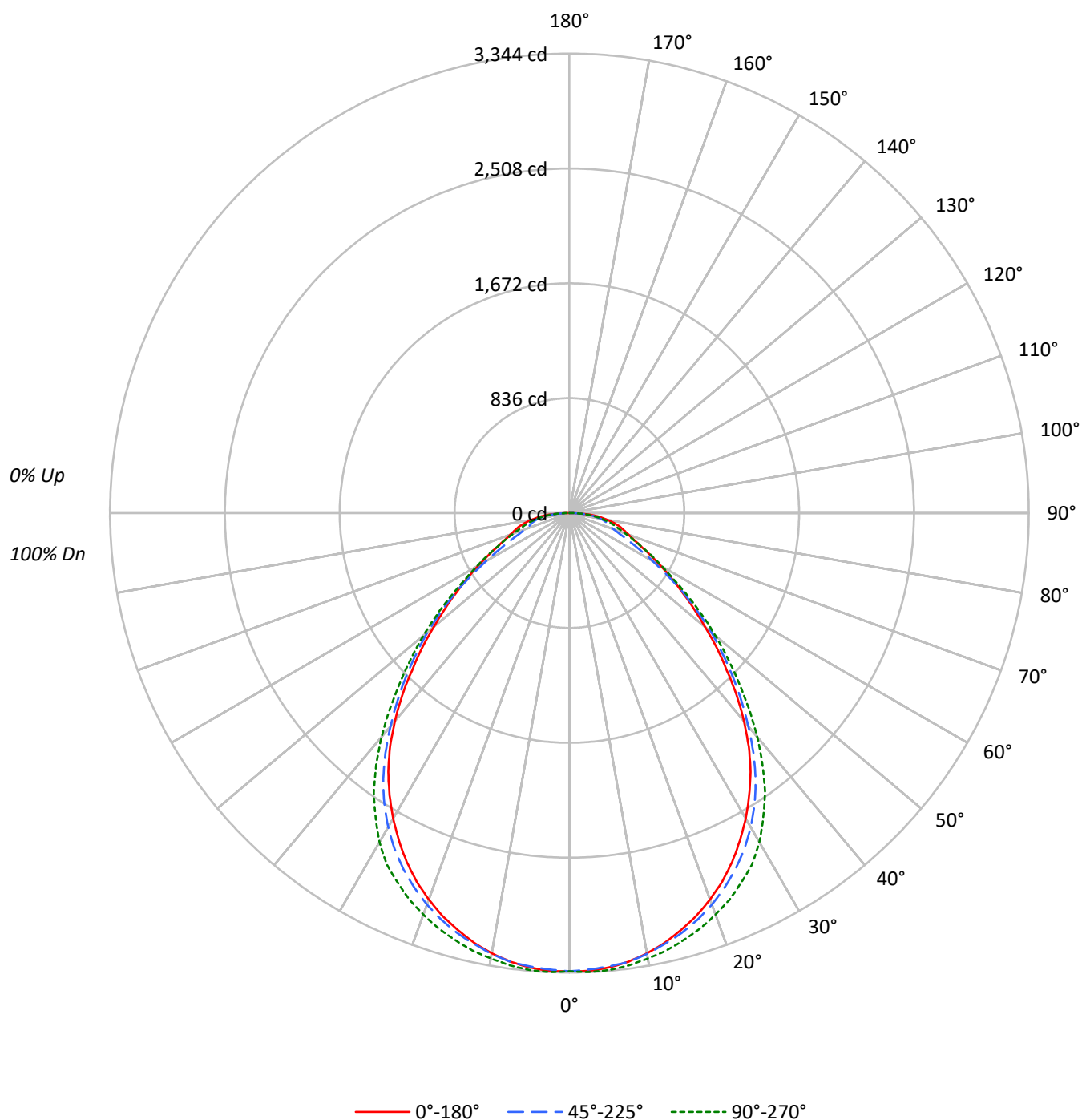
Input Watts (W): 81.06
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	102	98	107	103	100	96		99	96	93		95	93	91		92	90	88
2	101	94	87	82	98	92	86	81		88	83	79		85	81	78		82	79	76
3	93	83	76	70	91	82	75	69		79	73	68		76	71	67		74	70	66
4	86	75	67	61	84	74	66	60		71	65	59		69	63	59		67	62	58
5	80	68	59	53	78	67	59	53		65	58	52		63	57	52		61	56	51
6	74	61	53	47	72	61	53	47		59	52	47		57	51	46		56	50	46
7	69	56	48	42	67	55	48	42		54	47	42		52	46	41		51	46	41
8	64	52	44	38	63	51	43	38		50	43	38		48	42	38		47	42	37
9	60	48	40	35	59	47	40	34		46	39	34		45	39	34		44	38	34
10	57	44	37	32	55	44	36	32		43	36	31		42	36	31		41	35	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10681	10681	10681
5°	10672	10645	10732
10°	10582	10593	10703
15°	10414	10487	10666
20°	10199	10331	10596
25°	9901	10103	10473
30°	9488	9757	10224
35°	8989	9240	9708
40°	8265	8470	8893
45°	7342	7610	7885
50°	6413	6707	6909
55°	5576	5651	5858
60°	4905	4495	5003
65°	4359	3592	4384
70°	4280	3191	4044
75°	4676	3507	4133
80°	5134	4168	4417
85°	6136	4836	4960



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.2	4.4
10°-20°	893.9	12.4
20°-30°	1319.6	18.2
30°-40°	1476.6	20.4
40°-50°	1296.7	17.9
50°-60°	917.5	12.7
60°-70°	534.1	7.4
70°-80°	332.8	4.6
80°-90°	148.9	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°	2528.6	34.9
0°-40°	4005.2	55.4
0°-60°	6219.4	86.0
0°-90°	7235.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7235.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3335	3335	3335	3335	3335	
5°	3320	3311	3311	3328	3338	315
15°	3141	3148	3163	3197	3217	885
25°	2802	2814	2859	2927	2964	1287
35°	2299	2309	2363	2434	2483	1430
45°	1621	1640	1680	1721	1741	1254
55°	999	1019	1012	1031	1049	903
65°	575	530	474	516	579	583
75°	378	326	283	290	334	395
85°	167	174	132	128	135	170
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3335.1	3335.1	3335.1	3335.1	3335.1
2.5°	3335.1	3328.3	3324.9	3336.8	3343.5
5°	3319.8	3311.4	3311.4	3328.3	3338.5
7.5°	3292.9	3284.5	3294.6	3309.7	3319.8
10°	3254.1	3250.7	3257.5	3277.7	3291.2
12.5°	3203.5	3205.2	3211.9	3243.9	3260.9
15°	3141.1	3147.8	3163.0	3196.8	3217.0
17.5°	3073.6	3078.6	3102.2	3141.1	3169.7
20°	2992.6	3002.7	3031.4	3080.3	3109.0
22.5°	2903.2	2915.0	2950.4	3009.5	3045.0
25°	2802.0	2813.8	2859.3	2926.8	2964.0
27.5°	2687.3	2705.8	2756.5	2830.7	2881.2
30°	2565.8	2581.0	2638.4	2722.7	2764.9
32.5°	2435.9	2454.5	2508.4	2589.4	2626.6
35°	2299.2	2309.4	2363.4	2434.2	2483.2
37.5°	2144.1	2149.1	2199.8	2265.6	2309.4
40°	1977.1	1980.5	2026.0	2088.4	2127.2
42.5°	1803.4	1805.1	1853.9	1901.2	1934.9
45°	1621.1	1639.7	1680.2	1720.7	1740.9
47.5°	1457.5	1471.0	1508.2	1543.5	1562.1
50°	1287.2	1320.9	1346.1	1364.8	1386.7
52.5°	1140.4	1169.0	1175.8	1197.7	1216.3
55°	998.7	1018.9	1012.2	1030.7	1049.2
57.5°	878.9	868.8	846.9	878.9	902.5
60°	765.8	738.9	701.8	745.6	781.1
62.5°	664.6	620.8	575.3	619.1	678.1
65°	575.3	529.7	474.0	516.2	578.6
67.5°	507.8	460.5	394.7	436.9	499.3
70°	457.1	408.3	340.8	376.2	431.9
72.5°	416.7	364.4	305.3	329.0	376.2
75°	377.9	325.6	283.4	290.2	334.0
77.5°	332.3	293.5	259.8	256.4	290.2
80°	278.4	266.6	226.0	221.0	239.5
82.5°	229.4	224.4	185.6	180.5	187.3
85°	167.0	173.7	131.6	128.2	135.0
87.5°	87.7	96.1	69.2	72.5	74.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)