

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: P234133

Luminaire Tested: **22GR-LD5-85-A125-UNV-L930-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234133
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-L930-CD1-U
Description: METALUX 2X2 GRLED TROFFER
WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6713.6 lumens
Efficiency: N/A
Efficacy: 82.8 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

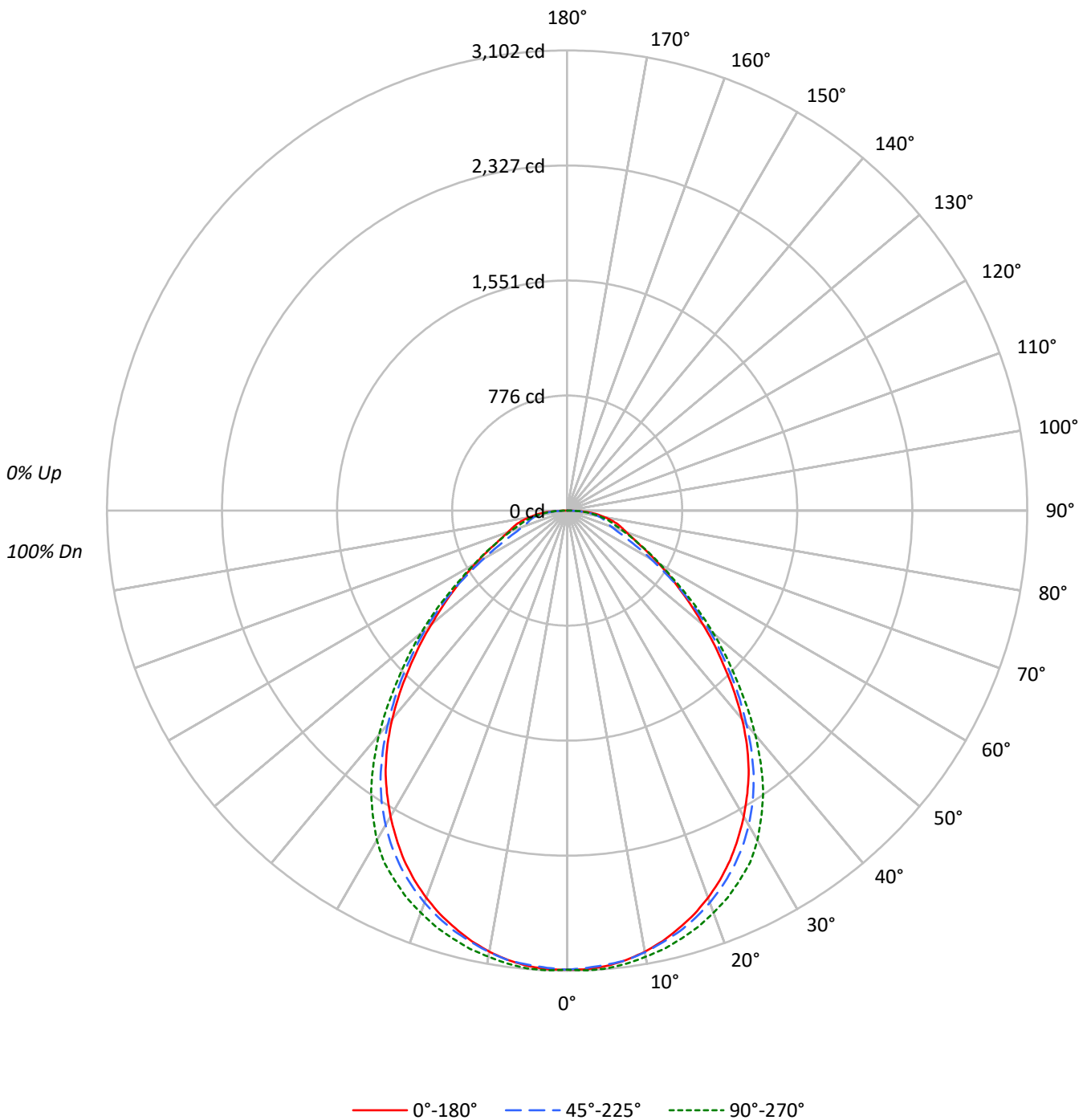
Input Watts (W): 81.06
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	9911	9911	9911
5°	9903	9878	9959
10°	9819	9829	9931
15°	9663	9731	9897
20°	9463	9586	9832
25°	9187	9375	9718
30°	8804	9053	9487
35°	8341	8574	9008
40°	7670	7859	8252
45°	6813	7061	7316
50°	5950	6223	6411
55°	5174	5244	5437
60°	4552	4171	4642
65°	4044	3333	4068
70°	3972	2961	3752
75°	4338	3254	3836
80°	4764	3869	4100
85°	5695	4486	4600



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.5	4.4
10°-20°	829.4	12.4
20°-30°	1224.4	18.2
30°-40°	1370.1	20.4
40°-50°	1203.2	17.9
50°-60°	851.4	12.7
60°-70°	495.5	7.4
70°-80°	308.8	4.6
80°-90°	138.2	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°	2346.3	34.9
0°-40°	3716.5	55.4
0°-60°	5771.0	86.0
0°-90°	6713.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6713.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3095	3095	3095	3095	3095	
5°	3081	3073	3073	3088	3098	292
15°	2915	2921	2935	2966	2985	821
25°	2600	2611	2653	2716	2750	1194
35°	2134	2143	2193	2259	2304	1327
45°	1504	1522	1559	1597	1615	1164
55°	927	946	939	956	974	838
65°	534	492	440	479	537	541
75°	351	302	263	269	310	366
85°	155	161	122	119	125	157
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3094.7	3094.7	3094.7	3094.7	3094.7
2.5°	3094.7	3088.4	3085.2	3096.2	3102.5
5°	3080.6	3072.7	3072.7	3088.4	3097.8
7.5°	3055.5	3047.7	3057.0	3071.1	3080.6
10°	3019.5	3016.4	3022.6	3041.5	3053.9
12.5°	2972.6	2974.1	2980.4	3010.1	3025.8
15°	2914.6	2920.9	2934.9	2966.3	2985.0
17.5°	2852.0	2856.7	2878.6	2914.6	2941.3
20°	2776.8	2786.3	2812.9	2858.3	2884.9
22.5°	2693.9	2704.9	2737.7	2792.5	2825.4
25°	2600.0	2611.0	2653.2	2715.8	2750.3
27.5°	2493.5	2510.8	2557.7	2626.6	2673.6
30°	2380.9	2395.0	2448.2	2526.4	2565.5
32.5°	2260.3	2277.5	2327.7	2402.8	2437.2
35°	2133.6	2142.9	2193.0	2258.8	2304.1
37.5°	1989.6	1994.2	2041.1	2102.2	2142.9
40°	1834.6	1837.7	1879.9	1937.9	1973.9
42.5°	1673.3	1674.9	1720.3	1764.1	1795.4
45°	1504.3	1521.5	1559.1	1596.6	1615.4
47.5°	1352.4	1365.0	1399.4	1432.3	1449.5
50°	1194.3	1225.7	1249.1	1266.3	1286.7
52.5°	1058.1	1084.8	1091.0	1111.3	1128.6
55°	926.7	945.5	939.2	956.4	973.7
57.5°	815.6	806.1	785.8	815.6	837.5
60°	710.7	685.6	651.2	691.8	724.7
62.5°	616.7	576.0	533.7	574.5	629.3
65°	533.7	491.5	439.8	479.0	536.9
67.5°	471.2	427.3	366.3	405.4	463.3
70°	424.2	378.8	316.2	349.1	400.7
72.5°	386.6	338.1	283.3	305.2	349.1
75°	350.6	302.1	263.0	269.2	310.0
77.5°	308.4	272.4	241.1	238.0	269.2
80°	258.3	247.3	209.8	205.1	222.3
82.5°	212.9	208.2	172.2	167.5	173.8
85°	155.0	161.2	122.1	119.0	125.2
87.5°	81.4	89.2	64.2	67.3	68.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)