

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: P225720

Luminaire Tested: **22GR-LD5-24-A125-UNV-L935-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P225720
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-LD5-24-A125-UNV-L935-CD1-U
Description: METALUX GR 2X2 LED TROFFER WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2079.9 lumens
Efficiency: N/A
Efficacy: 108.2 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

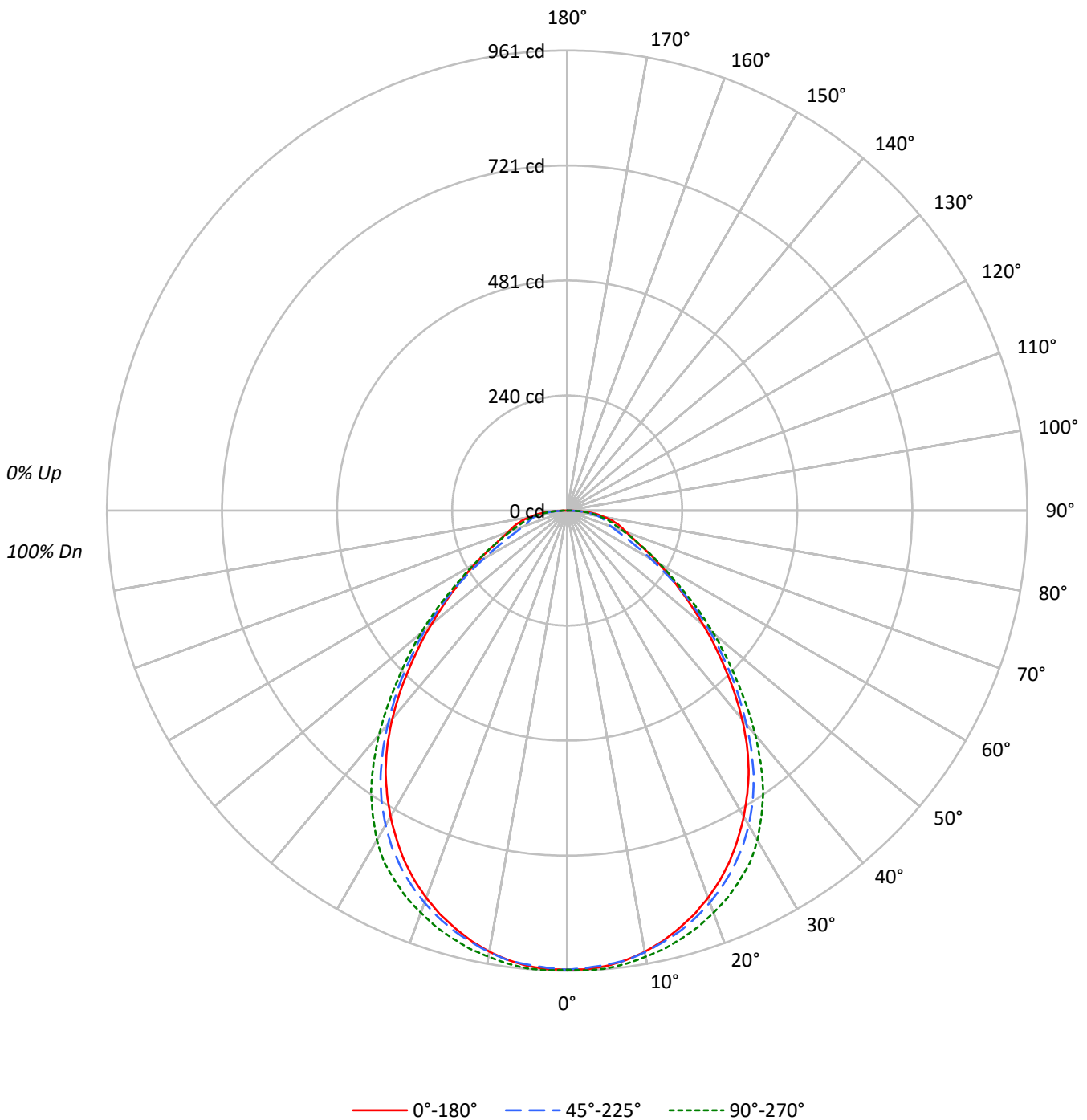
Input Watts (W): 19.219
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3070	3070	3070
5°	3068	3060	3085
10°	3042	3045	3077
15°	2994	3015	3066
20°	2932	2970	3046
25°	2846	2905	3011
30°	2728	2805	2939
35°	2584	2656	2791
40°	2376	2435	2556
45°	2111	2188	2267
50°	1843	1928	1986
55°	1603	1625	1685
60°	1410	1292	1439
65°	1253	1033	1260
70°	1230	917	1163
75°	1344	1007	1188
80°	1475	1199	1269
85°	1764	1389	1426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	4.4
10°-20°	257.0	12.4
20°-30°	379.3	18.2
30°-40°	424.5	20.4
40°-50°	372.8	17.9
50°-60°	263.8	12.7
60°-70°	153.5	7.4
70°-80°	95.7	4.6
80°-90°	42.8	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°	726.9	34.9
0°-40°	1151.4	55.4
0°-60°	1787.9	86.0
0°-90°	2079.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	959	959	959	959	959	
5°	954	952	952	957	960	90
15°	903	905	909	919	925	254
25°	806	809	822	841	852	370
35°	661	664	679	700	714	411
45°	466	471	483	495	500	360
55°	287	293	291	296	302	259
65°	165	152	136	148	166	168
75°	109	94	81	83	96	113
85°	48	50	38	37	39	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.7	958.7	958.7	958.7	958.7
2.5°	958.7	956.8	955.8	959.2	961.2
5°	954.4	952.0	952.0	956.8	959.7
7.5°	946.6	944.2	947.2	951.5	954.4
10°	935.5	934.5	936.4	942.2	946.1
12.5°	920.9	921.4	923.4	932.5	937.4
15°	903.0	904.9	909.3	919.0	924.8
17.5°	883.6	885.0	891.8	903.0	911.2
20°	860.3	863.3	871.4	885.5	893.8
22.5°	834.6	838.0	848.2	865.1	875.3
25°	805.5	808.9	822.0	841.4	852.0
27.5°	772.6	777.8	792.5	813.8	828.3
30°	737.6	742.0	758.5	782.7	794.8
32.5°	700.3	705.6	721.1	744.4	755.1
35°	661.0	663.9	679.4	699.8	713.8
37.5°	616.3	617.9	632.4	651.3	663.9
40°	568.4	569.3	582.4	600.4	611.5
42.5°	518.4	518.9	532.9	546.6	556.2
45°	466.1	471.4	483.1	494.6	500.5
47.5°	419.0	422.9	433.6	443.7	449.1
50°	370.0	379.7	387.0	392.4	398.6
52.5°	327.8	336.1	338.0	344.3	349.7
55°	287.1	292.9	291.0	296.3	301.7
57.5°	252.6	249.7	243.4	252.6	259.4
60°	220.2	212.4	201.7	214.4	224.6
62.5°	191.1	178.5	165.4	178.0	195.0
65°	165.4	152.2	136.3	148.4	166.3
67.5°	145.9	132.4	113.5	125.6	143.6
70°	131.4	117.4	97.9	108.1	124.2
72.5°	119.8	104.7	87.8	94.6	108.1
75°	108.6	93.6	81.4	83.4	96.0
77.5°	95.5	84.4	74.7	73.7	83.4
80°	80.0	76.6	65.0	63.5	68.8
82.5°	66.0	64.5	53.4	51.8	53.8
85°	48.0	50.0	37.8	36.9	38.8
87.5°	25.2	27.6	19.9	20.8	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)