

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: P225716

Luminaire Tested: **22GR-LD5-36-A125-UNV-L930-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P225716
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-LD5-36-A125-UNV-L930-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: 2921.7 lumens
Efficiency: N/A
Efficacy: 84.5 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

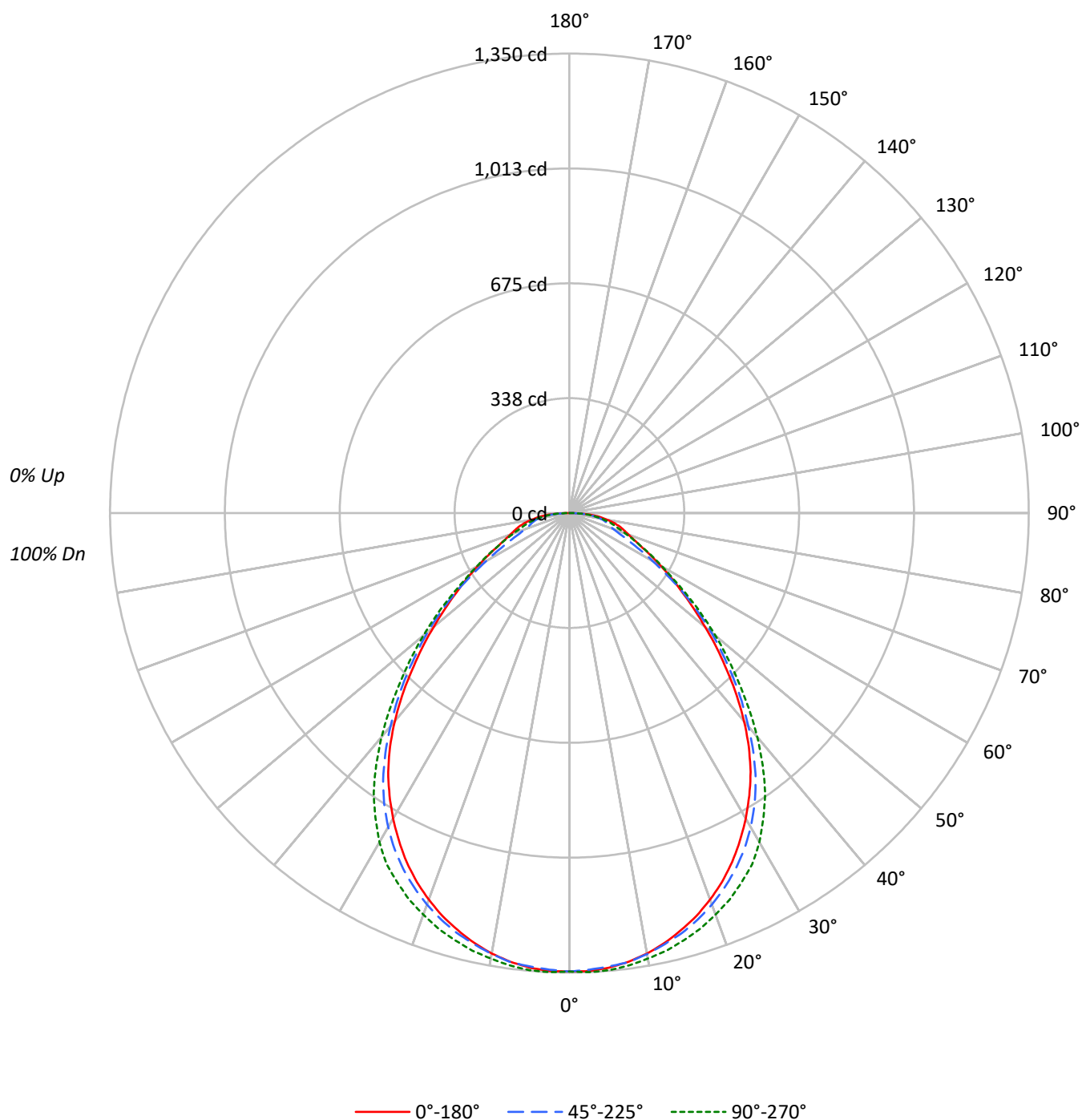
Input Watts (W): 34.56
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	110	105	102	98	107	103	100	96	99	96	93		95	93	91		86
2	101	94	87	82	98	92	86	81	88	83	79		85	81	78		74
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		64
4	86	75	67	61	84	74	66	60	71	65	59		69	63	59		56
5	80	68	59	53	78	67	59	53	65	58	52		63	57	52		49
6	74	61	53	47	72	61	53	47	59	52	47		57	51	46		44
7	69	56	48	42	67	55	48	42	54	47	42		52	46	41		39
8	64	52	44	38	63	51	43	38	50	43	38		48	42	38		36
9	60	48	40	35	59	47	40	34	46	39	34		45	39	34		32
10	57	44	37	32	55	44	36	32	43	36	31		42	36	31		29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4313	4313	4313
5°	4310	4299	4334
10°	4273	4278	4322
15°	4205	4235	4307
20°	4118	4172	4278
25°	3998	4080	4229
30°	3832	3940	4129
35°	3630	3731	3920
40°	3338	3420	3591
45°	2965	3073	3184
50°	2590	2708	2790
55°	2252	2282	2366
60°	1981	1815	2020
65°	1760	1450	1770
70°	1728	1288	1633
75°	1888	1417	1669
80°	2073	1684	1785
85°	2477	1951	2003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	4.4
10°-20°	360.9	12.4
20°-30°	532.9	18.2
30°-40°	596.3	20.4
40°-50°	523.6	17.9
50°-60°	370.5	12.7
60°-70°	215.7	7.4
70°-80°	134.4	4.6
80°-90°	60.1	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°	1021.1	34.9
0°-40°	1617.4	55.4
0°-60°	2511.5	86.0
0°-90°	2921.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2921.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1347	1347	1347	1347	1347	
5°	1341	1337	1337	1344	1348	127
15°	1268	1271	1277	1291	1299	357
25°	1132	1136	1155	1182	1197	520
35°	928	933	954	983	1003	577
45°	655	662	678	695	703	506
55°	403	412	409	416	424	365
65°	232	214	191	208	234	236
75°	153	131	114	117	135	159
85°	67	70	53	52	54	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1346.8	1346.8	1346.8	1346.8	1346.8
2.5°	1346.8	1344.0	1342.7	1347.4	1350.1
5°	1340.6	1337.2	1337.2	1344.0	1348.1
7.5°	1329.7	1326.3	1330.4	1336.5	1340.6
10°	1314.0	1312.7	1315.4	1323.6	1329.1
12.5°	1293.6	1294.3	1297.0	1309.9	1316.8
15°	1268.4	1271.2	1277.2	1290.8	1299.0
17.5°	1241.2	1243.2	1252.7	1268.4	1280.0
20°	1208.4	1212.5	1224.1	1243.9	1255.4
22.5°	1172.4	1177.1	1191.5	1215.2	1229.6
25°	1131.5	1136.3	1154.6	1181.9	1196.9
27.5°	1085.2	1092.6	1113.1	1143.1	1163.5
30°	1036.2	1042.2	1065.4	1099.5	1116.5
32.5°	983.7	991.1	1012.9	1045.7	1060.7
35°	928.5	932.6	954.4	983.0	1002.7
37.5°	865.8	867.9	888.3	914.9	932.6
40°	798.4	799.7	818.1	843.4	859.0
42.5°	728.2	728.9	748.7	767.7	781.4
45°	654.6	662.2	678.5	694.9	703.0
47.5°	588.6	594.0	609.0	623.3	630.8
50°	519.8	533.4	543.6	551.1	560.0
52.5°	460.5	472.1	474.8	483.6	491.2
55°	403.3	411.5	408.7	416.2	423.7
57.5°	354.9	350.8	341.9	354.9	364.4
60°	309.3	298.4	283.4	301.1	315.4
62.5°	268.4	250.7	232.3	250.0	273.9
65°	232.3	213.9	191.4	208.4	233.6
67.5°	205.1	186.0	159.4	176.5	201.6
70°	184.6	164.8	137.6	151.9	174.4
72.5°	168.3	147.1	123.3	132.8	151.9
75°	152.6	131.4	114.5	117.2	134.9
77.5°	134.2	118.5	104.9	103.6	117.2
80°	112.4	107.7	91.3	89.2	96.8
82.5°	92.7	90.6	74.9	72.9	75.6
85°	67.4	70.2	53.1	51.7	54.5
87.5°	35.4	38.9	28.0	29.3	30.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)