

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: P225722

Luminaire Tested: **22GR-LD5-32-A125-UNV-L935-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P225722
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-LD5-32-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: 2764.2 lumens
Efficiency: N/A
Efficacy: 92.3 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

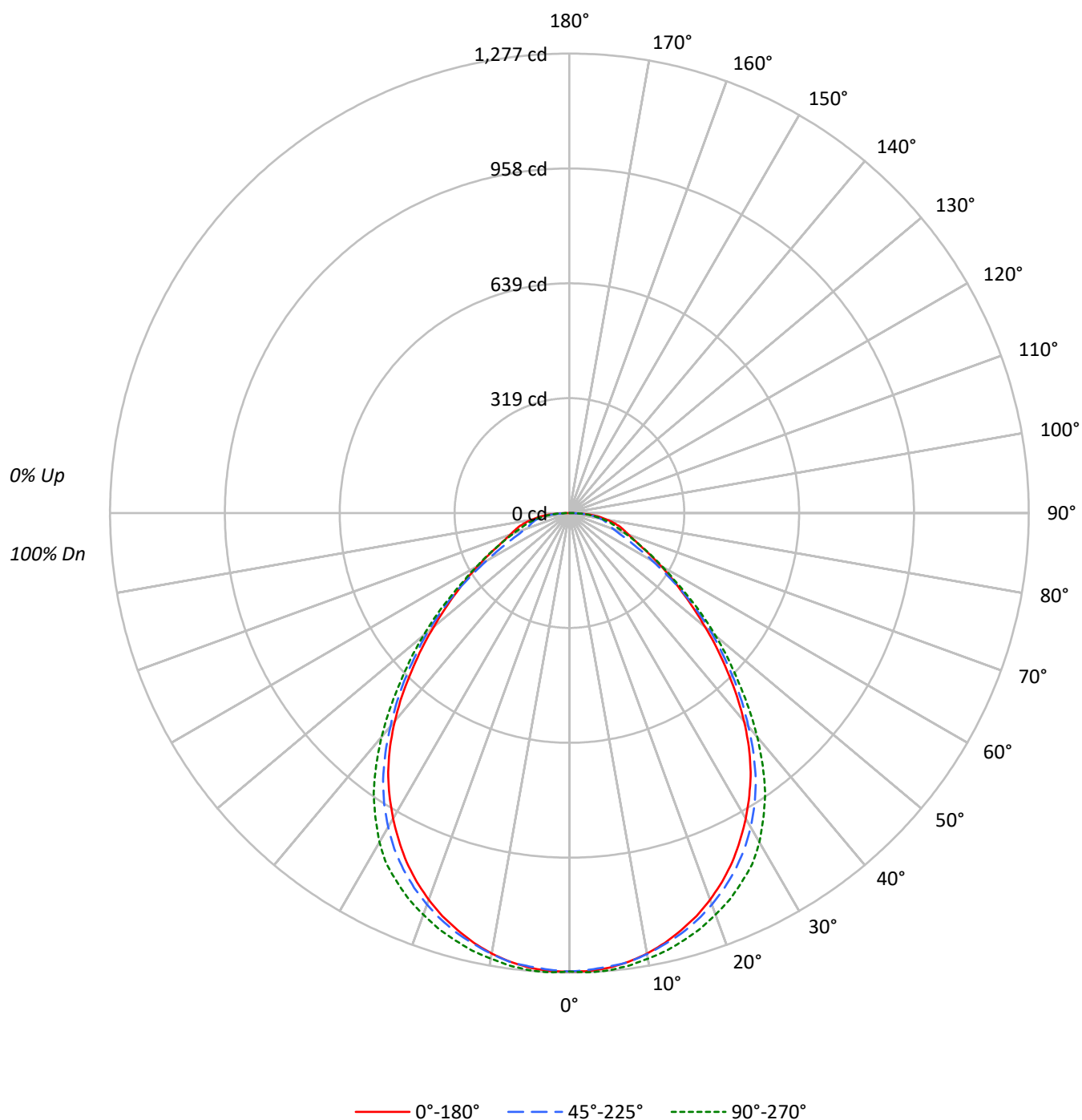
Input Watts (W): 29.95
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4080	4080	4080
5°	4078	4067	4100
10°	4043	4047	4089
15°	3979	4006	4075
20°	3896	3947	4048
25°	3783	3860	4001
30°	3625	3727	3906
35°	3435	3530	3709
40°	3158	3236	3398
45°	2805	2907	3012
50°	2450	2562	2640
55°	2131	2159	2238
60°	1874	1717	1911
65°	1666	1372	1675
70°	1636	1219	1545
75°	1785	1340	1579
80°	1960	1593	1687
85°	2344	1845	1896



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	4.4
10°-20°	341.5	12.4
20°-30°	504.1	18.2
30°-40°	564.1	20.4
40°-50°	495.4	17.9
50°-60°	350.5	12.7
60°-70°	204.0	7.4
70°-80°	127.2	4.6
80°-90°	56.9	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°	966.1	34.9
0°-40°	1530.2	55.4
0°-60°	2376.1	86.0
0°-90°	2764.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2764.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1268	1265	1265	1272	1275	120
15°	1200	1203	1208	1221	1229	338
25°	1070	1075	1092	1118	1132	492
35°	878	882	903	930	949	546
45°	619	626	642	657	665	479
55°	382	389	387	394	401	345
65°	220	202	181	197	221	223
75°	144	124	108	111	128	151
85°	64	66	50	49	52	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1274.1	1274.1	1274.1	1274.1	1274.1
2.5°	1274.1	1271.6	1270.3	1274.8	1277.4
5°	1268.4	1265.1	1265.1	1271.6	1275.4
7.5°	1258.1	1254.9	1258.7	1264.5	1268.4
10°	1243.2	1241.9	1244.5	1252.2	1257.4
12.5°	1223.9	1224.5	1227.1	1239.4	1245.8
15°	1200.0	1202.6	1208.4	1221.3	1229.0
17.5°	1174.3	1176.2	1185.2	1200.0	1211.0
20°	1143.3	1147.2	1158.1	1176.8	1187.8
22.5°	1109.2	1113.7	1127.2	1149.8	1163.3
25°	1070.5	1075.0	1092.4	1118.2	1132.4
27.5°	1026.7	1033.8	1053.1	1081.5	1100.8
30°	980.3	986.1	1008.0	1040.2	1056.3
32.5°	930.7	937.7	958.4	989.3	1003.5
35°	878.5	882.3	903.0	930.0	948.7
37.5°	819.1	821.1	840.4	865.6	882.3
40°	755.3	756.7	774.0	797.9	812.7
42.5°	688.9	689.6	708.3	726.3	739.2
45°	619.4	626.4	641.9	657.4	665.1
47.5°	556.8	562.0	576.2	589.7	596.8
50°	491.7	504.6	514.3	521.4	529.8
52.5°	435.7	446.6	449.2	457.6	464.7
55°	381.6	389.3	386.7	393.8	400.9
57.5°	335.8	331.9	323.5	335.8	344.8
60°	292.6	282.3	268.1	284.8	298.4
62.5°	253.9	237.2	219.8	236.6	259.1
65°	219.8	202.4	181.1	197.2	221.1
67.5°	194.0	176.0	150.8	166.9	190.7
70°	174.7	156.0	130.2	143.7	165.0
72.5°	159.2	139.2	116.6	125.7	143.7
75°	144.3	124.4	108.3	110.8	127.6
77.5°	127.0	112.1	99.3	98.0	110.8
80°	106.3	101.8	86.4	84.4	91.5
82.5°	87.6	85.7	70.9	68.9	71.6
85°	63.8	66.4	50.2	49.0	51.6
87.5°	33.5	36.7	26.4	27.7	28.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)