

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: P225729

Luminaire Tested: **22GR-LD5-32-A125-UNV-L940-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P225729
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-L940-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: 2844.0 lumens
Efficiency: N/A
Efficacy: 95.0 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

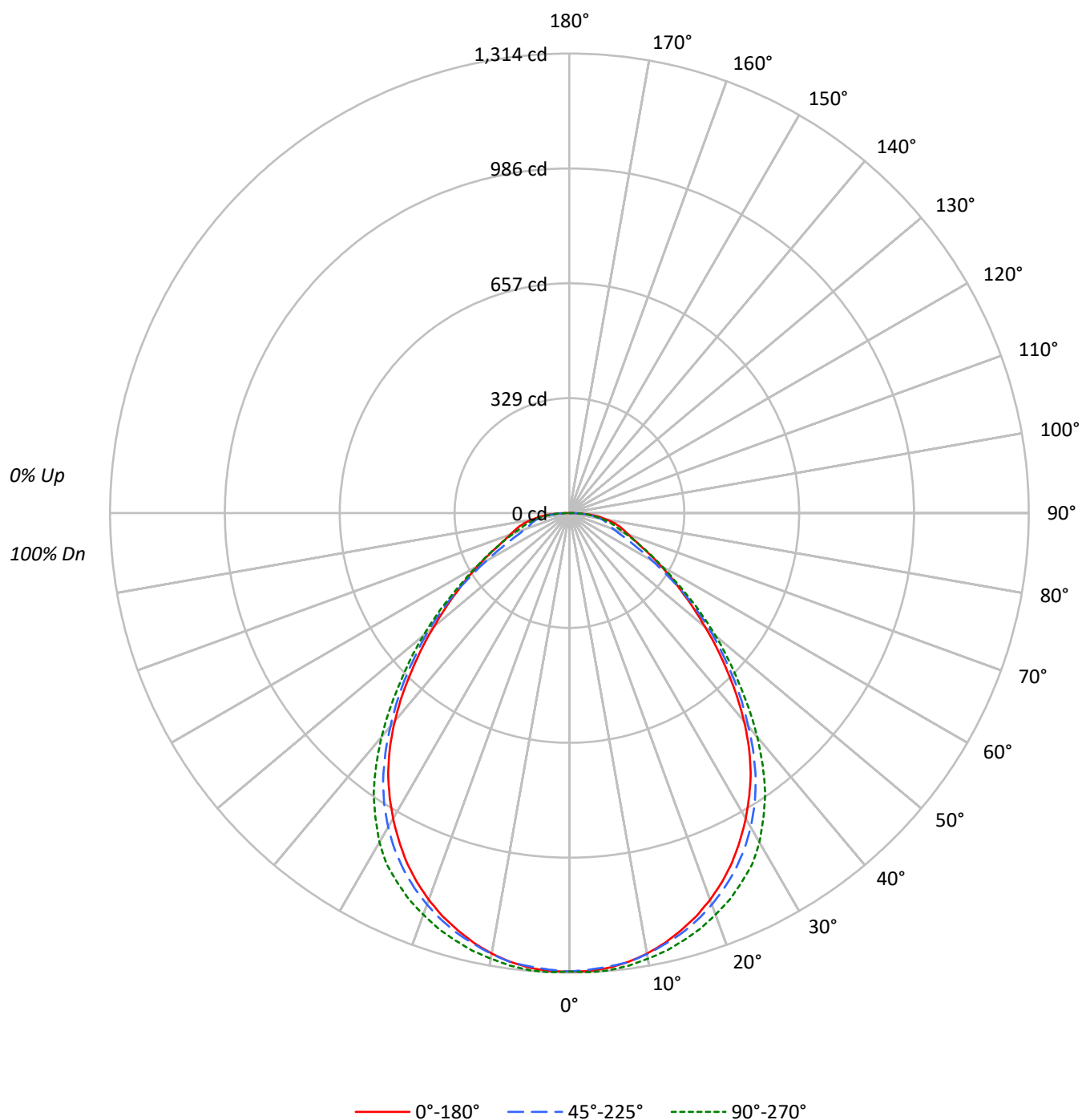
Input Watts (W): 29.95
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
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°	4198	4198	4198
5°	4195	4185	4219
10°	4160	4164	4207
15°	4094	4122	4192
20°	4009	4061	4165
25°	3892	3971	4117
30°	3730	3835	4019
35°	3533	3632	3816
40°	3249	3329	3496
45°	2886	2991	3099
50°	2520	2637	2716
55°	2192	2221	2303
60°	1929	1767	1966
65°	1713	1412	1724
70°	1683	1255	1590
75°	1837	1378	1625
80°	2018	1638	1737
85°	2410	1900	1951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	4.4
10°-20°	351.4	12.4
20°-30°	518.7	18.2
30°-40°	580.4	20.4
40°-50°	509.7	17.9
50°-60°	360.7	12.7
60°-70°	209.9	7.4
70°-80°	130.8	4.6
80°-90°	58.5	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°	994.0	34.9
0°-40°	1574.4	55.4
0°-60°	2444.7	86.0
0°-90°	2844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2844.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1305	1302	1302	1308	1312	124
15°	1235	1237	1243	1256	1264	348
25°	1101	1106	1124	1150	1165	506
35°	904	908	929	957	976	562
45°	637	645	660	676	684	493
55°	393	400	398	405	412	355
65°	226	208	186	203	228	229
75°	148	128	111	114	131	155
85°	66	68	52	50	53	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1311.0	1311.0	1311.0	1311.0	1311.0
2.5°	1311.0	1308.3	1306.9	1311.6	1314.3
5°	1305.0	1301.7	1301.7	1308.3	1312.3
7.5°	1294.4	1291.0	1295.1	1301.0	1305.0
10°	1279.2	1277.8	1280.5	1288.4	1293.7
12.5°	1259.2	1259.9	1262.6	1275.1	1281.7
15°	1234.7	1237.4	1243.3	1256.5	1264.5
17.5°	1208.2	1210.2	1219.5	1234.7	1246.0
20°	1176.3	1180.4	1191.6	1210.8	1222.1
22.5°	1141.2	1145.9	1159.8	1183.0	1196.9
25°	1101.4	1106.0	1123.9	1150.5	1165.0
27.5°	1056.3	1063.6	1083.5	1112.7	1132.6
30°	1008.6	1014.5	1037.1	1070.3	1086.8
32.5°	957.5	964.8	986.0	1017.9	1032.4
35°	903.8	907.8	929.0	956.8	976.1
37.5°	842.8	844.8	864.6	890.5	907.8
40°	777.2	778.5	796.4	821.0	836.2
42.5°	708.9	709.5	728.8	747.3	760.6
45°	637.3	644.6	660.5	676.4	684.3
47.5°	572.9	578.3	592.8	606.7	614.0
50°	505.9	519.2	529.2	536.5	545.1
52.5°	448.2	459.5	462.2	470.8	478.1
55°	392.6	400.5	397.8	405.1	412.5
57.5°	345.5	341.5	332.9	345.5	354.8
60°	301.1	290.4	275.9	293.1	307.0
62.5°	261.3	244.0	226.1	243.4	266.6
65°	226.1	208.2	186.4	202.9	227.5
67.5°	199.6	181.0	155.1	171.7	196.3
70°	179.7	160.5	134.0	147.8	169.8
72.5°	163.7	143.2	120.1	129.3	147.8
75°	148.5	128.0	111.4	114.0	131.3
77.5°	130.6	115.4	102.1	100.8	114.0
80°	109.4	104.7	88.8	86.9	94.2
82.5°	90.2	88.2	72.9	71.0	73.6
85°	65.6	68.3	51.7	50.4	53.1
87.5°	34.5	37.8	27.2	28.6	29.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)