

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: P225737

Luminaire Tested: **22GR-LD5-36-A125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P225737
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-L950-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: 3354.3 lumens
Efficiency: N/A
Efficacy: 97.1 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

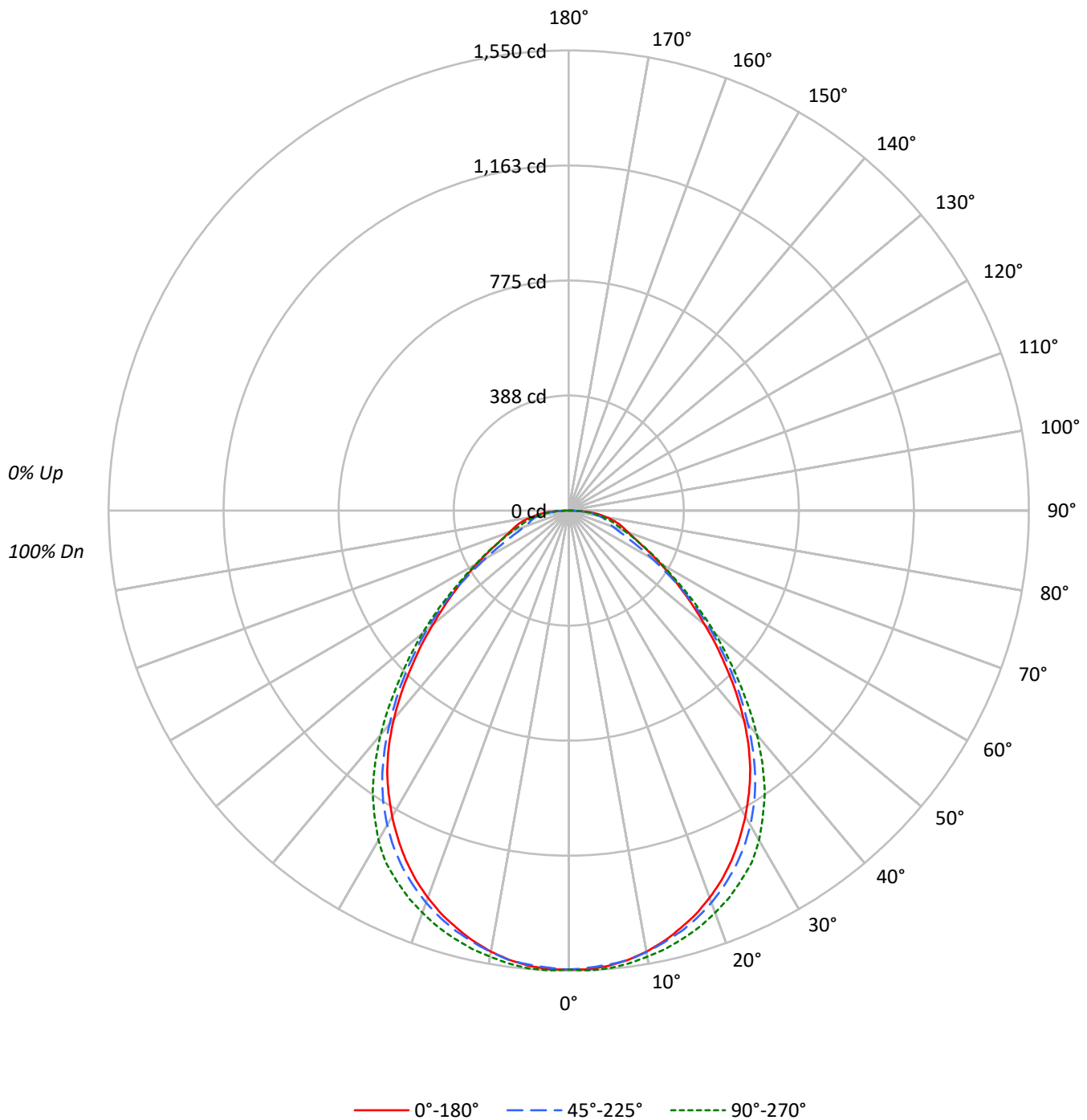
Input Watts (W): 34.56
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225737

CATALOG NUMBER: 22GR-LD5-36-A125-UNV-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P225737

CATALOG NUMBER: 22GR-LD5-36-A125-UNV-L950-CD1-U

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°	4952	4952	4952
5°	4948	4935	4975
10°	4906	4911	4962
15°	4828	4862	4945
20°	4728	4790	4912
25°	4590	4684	4855
30°	4399	4523	4740
35°	4168	4283	4501
40°	3832	3927	4123
45°	3404	3528	3655
50°	2973	3109	3203
55°	2585	2620	2716
60°	2274	2084	2319
65°	2021	1666	2033
70°	1984	1479	1875
75°	2168	1626	1917
80°	2379	1933	2047
85°	2844	2241	2300



TEST NUMBER: P225737

CATALOG NUMBER: 22GR-LD5-36-A125-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	4.4
10°-20°	414.4	12.4
20°-30°	611.8	18.2
30°-40°	684.5	20.4
40°-50°	601.1	17.9
50°-60°	425.4	12.7
60°-70°	247.6	7.4
70°-80°	154.3	4.6
80°-90°	69.0	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°	1172.3	34.9
0°-40°	1856.8	55.4
0°-60°	2883.3	86.0
0°-90°	3354.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3354.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1546	1546	1546	1546	1546	
5°	1539	1535	1535	1543	1548	146
15°	1456	1459	1466	1482	1491	410
25°	1299	1304	1326	1357	1374	597
35°	1066	1071	1096	1128	1151	663
45°	752	760	779	798	807	581
55°	463	472	469	478	486	418
65°	267	246	220	239	268	270
75°	175	151	131	134	155	183
85°	77	80	61	59	63	79
90°	0	0	0	0	0	



TEST NUMBER: P225737

CATALOG NUMBER: 22GR-LD5-36-A125-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1546.2	1546.2	1546.2	1546.2	1546.2
2.5°	1546.2	1543.0	1541.4	1546.9	1550.1
5°	1539.1	1535.2	1535.2	1543.0	1547.7
7.5°	1526.6	1522.7	1527.3	1534.4	1539.1
10°	1508.6	1507.1	1510.1	1519.5	1525.8
12.5°	1485.1	1485.9	1489.0	1504.0	1511.7
15°	1456.2	1459.4	1466.4	1482.0	1491.4
17.5°	1425.0	1427.2	1438.3	1456.2	1469.5
20°	1387.4	1392.1	1405.4	1428.1	1441.3
22.5°	1346.0	1351.4	1367.8	1395.2	1411.6
25°	1299.0	1304.5	1325.6	1356.9	1374.1
27.5°	1245.8	1254.4	1277.9	1312.3	1335.8
30°	1189.6	1196.6	1223.1	1262.3	1281.8
32.5°	1129.3	1137.9	1163.0	1200.5	1217.7
35°	1066.0	1070.6	1095.6	1128.5	1151.2
37.5°	994.0	996.4	1019.8	1050.3	1070.6
40°	916.6	918.2	939.3	968.2	986.2
42.5°	836.0	836.8	859.5	881.4	897.0
45°	751.6	760.2	779.0	797.7	807.1
47.5°	675.7	682.0	699.2	715.6	724.2
50°	596.7	612.3	624.1	632.7	642.8
52.5°	528.7	542.0	545.1	555.3	563.8
55°	463.0	472.4	469.2	477.8	486.5
57.5°	407.5	402.8	392.6	407.5	418.4
60°	355.1	342.5	325.3	345.7	362.1
62.5°	308.1	287.8	266.7	287.0	314.4
65°	266.7	245.6	219.8	239.3	268.3
67.5°	235.4	213.5	183.0	202.6	231.5
70°	211.9	189.3	158.0	174.4	200.2
72.5°	193.2	168.9	141.6	152.5	174.4
75°	175.2	151.0	131.4	134.5	154.9
77.5°	154.1	136.0	120.4	118.8	134.5
80°	129.0	123.6	104.8	102.5	111.0
82.5°	106.4	104.0	86.0	83.7	86.8
85°	77.4	80.5	61.0	59.4	62.6
87.5°	40.7	44.6	32.0	33.7	34.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)