

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: P234121

Luminaire Tested: **22GR-LD5-50-A125-UNV-L930-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234121
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-LD5-50-A125-UNV-L930-CD1-U
Description: METALUX 2X2 GRLED TROFFER
WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3868.6 lumens
Efficiency: N/A
Efficacy: 95.8 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

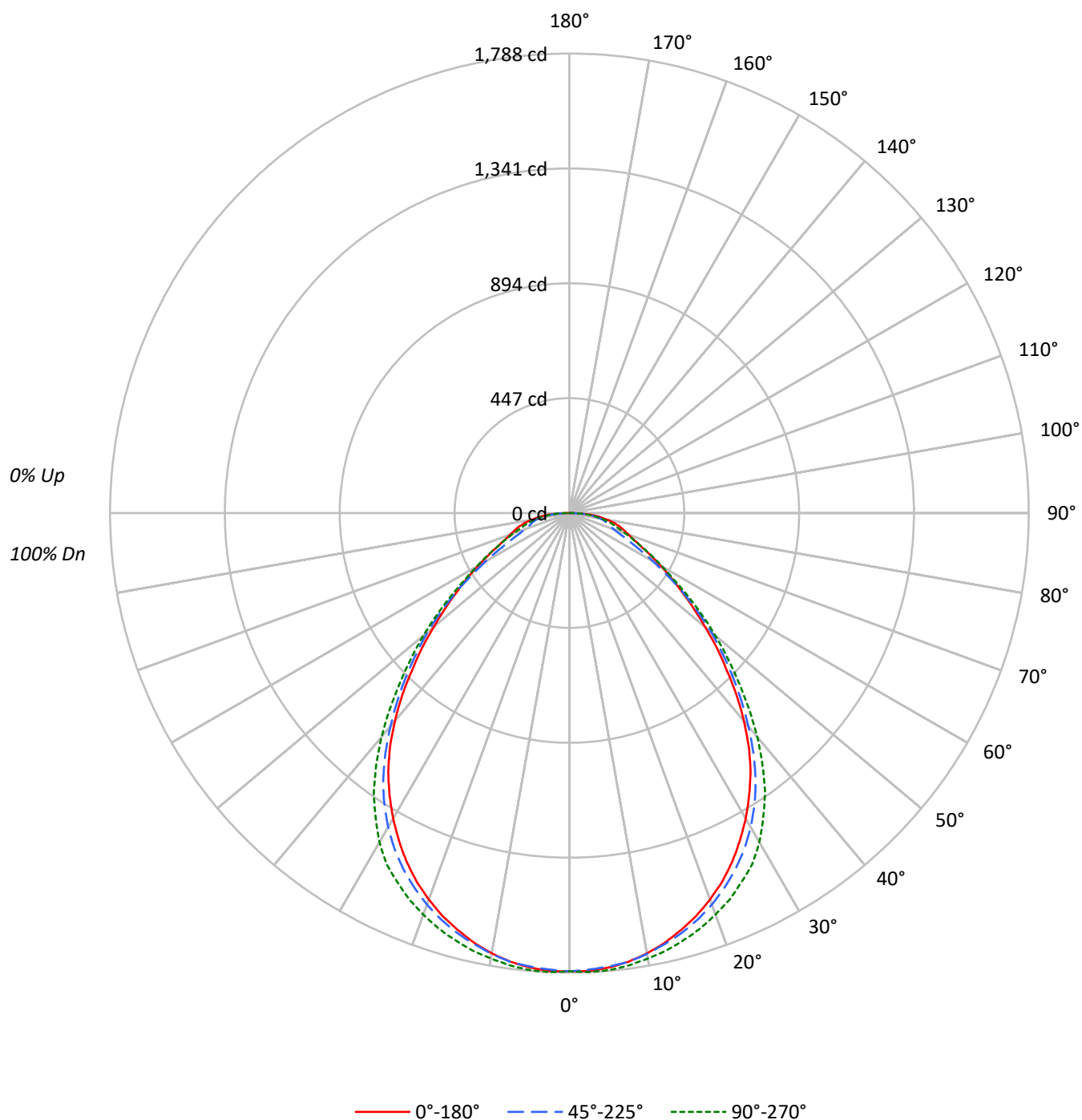
Input Watts (W): 40.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5711	5711	5711
5°	5706	5692	5739
10°	5658	5664	5723
15°	5568	5607	5703
20°	5453	5524	5665
25°	5294	5402	5600
30°	5073	5217	5467
35°	4806	4940	5191
40°	4419	4529	4755
45°	3926	4069	4216
50°	3429	3586	3694
55°	2982	3022	3132
60°	2623	2403	2675
65°	2331	1921	2345
70°	2288	1706	2162
75°	2499	1875	2210
80°	2744	2230	2362
85°	3281	2587	2653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.5	4.4
10°-20°	477.9	12.4
20°-30°	705.6	18.2
30°-40°	789.5	20.4
40°-50°	693.3	17.9
50°-60°	490.6	12.7
60°-70°	285.6	7.4
70°-80°	178.0	4.6
80°-90°	79.6	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°	1352.1	34.9
0°-40°	2141.6	55.4
0°-60°	3325.5	86.0
0°-90°	3868.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3868.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1783	1783	1783	1783	1783	
5°	1775	1771	1771	1780	1785	168
15°	1680	1683	1691	1709	1720	473
25°	1498	1504	1529	1565	1585	688
35°	1229	1235	1264	1302	1328	765
45°	867	877	898	920	931	670
55°	534	545	541	551	561	483
65°	308	283	254	276	309	312
75°	202	174	152	155	179	211
85°	89	93	70	69	72	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1783.3	1783.3	1783.3	1783.3	1783.3
2.5°	1783.3	1779.6	1777.8	1784.2	1787.8
5°	1775.1	1770.6	1770.6	1779.6	1785.1
7.5°	1760.7	1756.2	1761.6	1769.7	1775.1
10°	1740.0	1738.2	1741.8	1752.6	1759.8
12.5°	1712.9	1713.8	1717.4	1734.5	1743.6
15°	1679.5	1683.1	1691.2	1709.3	1720.1
17.5°	1643.4	1646.2	1658.8	1679.5	1694.9
20°	1600.1	1605.6	1620.9	1647.1	1662.4
22.5°	1552.3	1558.7	1577.6	1609.2	1628.1
25°	1498.2	1504.5	1528.9	1565.0	1584.8
27.5°	1436.9	1446.8	1473.9	1513.6	1540.6
30°	1371.9	1380.1	1410.7	1455.8	1478.4
32.5°	1302.5	1312.4	1341.3	1384.6	1404.4
35°	1229.4	1234.8	1263.7	1301.6	1327.7
37.5°	1146.4	1149.1	1176.2	1211.4	1234.8
40°	1057.1	1058.9	1083.3	1116.7	1137.4
42.5°	964.2	965.1	991.3	1016.6	1034.6
45°	866.8	876.7	898.4	920.0	930.9
47.5°	779.3	786.5	806.4	825.3	835.3
50°	688.2	706.3	719.8	729.7	741.4
52.5°	609.8	625.1	628.7	640.4	650.3
55°	534.0	544.8	541.2	551.1	561.0
57.5°	469.9	464.5	452.8	469.9	482.6
60°	409.5	395.1	375.2	398.7	417.6
62.5°	355.4	331.9	307.6	331.0	362.6
65°	307.6	283.2	253.5	276.0	309.4
67.5°	271.5	246.2	211.1	233.6	267.0
70°	244.4	218.3	182.2	201.1	230.9
72.5°	222.8	194.8	163.3	175.9	201.1
75°	202.0	174.1	151.5	155.1	178.6
77.5°	177.7	156.9	138.9	137.1	155.1
80°	148.8	142.5	120.9	118.2	128.1
82.5°	122.7	120.0	99.2	96.5	100.1
85°	89.3	92.9	70.4	68.6	72.2
87.5°	46.9	51.4	37.0	38.8	39.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)