

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: P213876

Luminaire Tested: **22GR-LD5-43-A125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P213876
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-LD5-43-A125-UNV-L950-CD1-U
Description: METALUX GR 2X2 LED TROFFER WITH A125 LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4356.1 lumens
Efficiency: N/A
Efficacy: 108.6 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

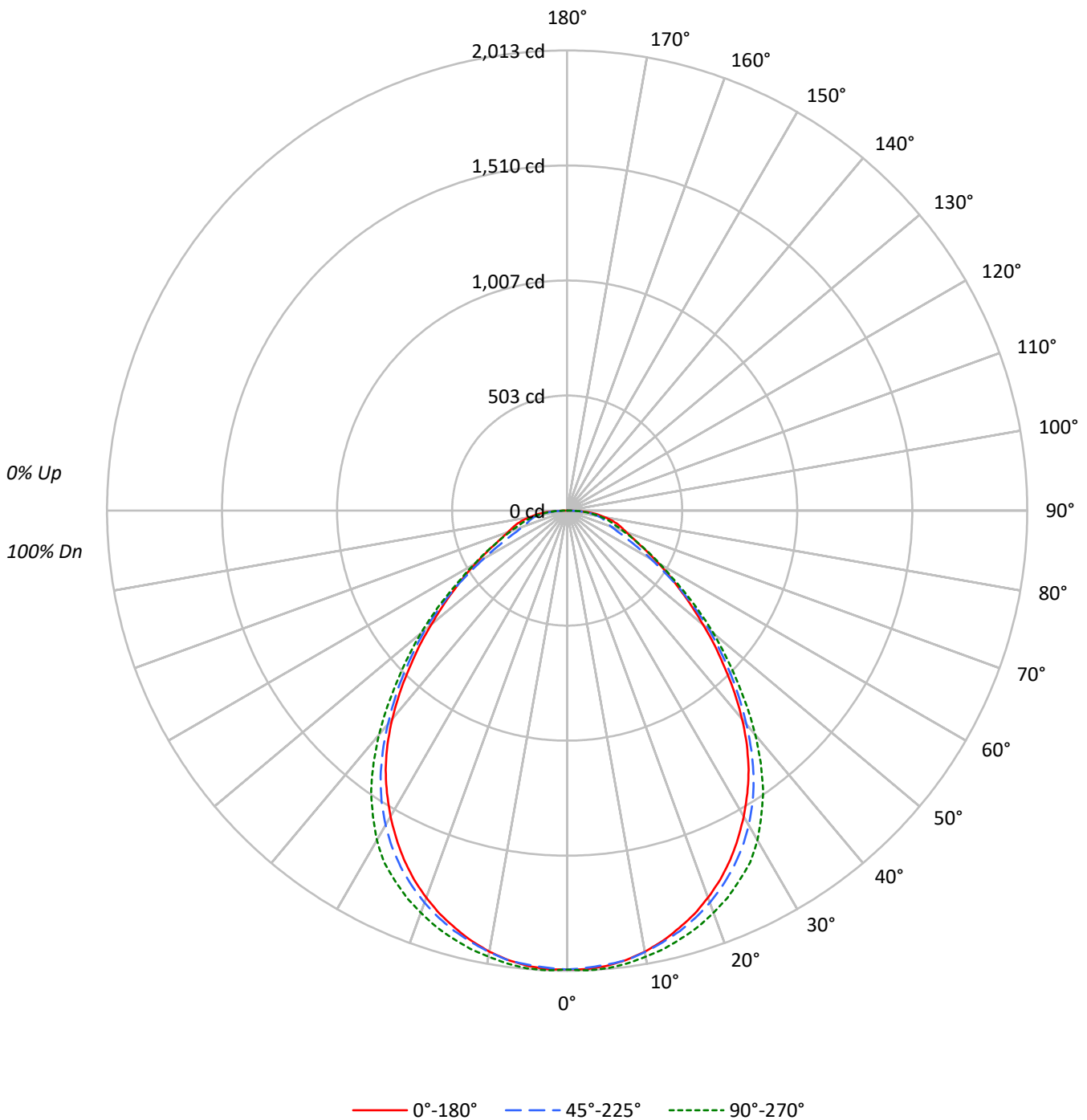
Input Watts (W): 40.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	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	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°	6431	6431	6431
5°	6426	6409	6462
10°	6371	6378	6444
15°	6270	6314	6421
20°	6141	6220	6379
25°	5961	6083	6306
30°	5713	5874	6156
35°	5412	5563	5845
40°	4977	5100	5354
45°	4421	4582	4747
50°	3861	4038	4160
55°	3357	3403	3527
60°	2953	2706	3012
65°	2624	2163	2639
70°	2578	1921	2434
75°	2815	2111	2488
80°	3091	2510	2659
85°	3696	2914	2987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.8	4.4
10°-20°	538.2	12.4
20°-30°	794.5	18.2
30°-40°	889.0	20.4
40°-50°	780.7	17.9
50°-60°	552.4	12.7
60°-70°	321.5	7.4
70°-80°	200.4	4.6
80°-90°	89.7	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°	1522.4	34.9
0°-40°	2411.4	55.4
0°-60°	3744.6	86.0
0°-90°	4356.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4356.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2008	2008	2008	2008	2008	
5°	1999	1994	1994	2004	2010	190
15°	1891	1895	1904	1925	1937	533
25°	1687	1694	1722	1762	1784	775
35°	1384	1390	1423	1466	1495	861
45°	976	987	1012	1036	1048	755
55°	601	613	609	620	632	543
65°	346	319	285	311	348	351
75°	228	196	171	175	201	238
85°	101	105	79	77	81	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2008.0	2008.0	2008.0	2008.0	2008.0
2.5°	2008.0	2003.9	2001.9	2009.0	2013.1
5°	1998.8	1993.7	1993.7	2003.9	2010.0
7.5°	1982.6	1977.5	1983.6	1992.7	1998.8
10°	1959.2	1957.2	1961.2	1973.4	1981.6
12.5°	1928.7	1929.7	1933.8	1953.1	1963.3
15°	1891.2	1895.3	1904.4	1924.6	1936.8
17.5°	1850.6	1853.6	1867.8	1891.2	1908.5
20°	1801.8	1807.9	1825.2	1854.6	1871.9
22.5°	1747.9	1755.1	1776.4	1812.0	1833.3
25°	1687.0	1694.1	1721.5	1762.2	1784.5
27.5°	1618.0	1629.2	1659.6	1704.2	1734.7
30°	1544.8	1554.0	1588.5	1639.3	1664.7
32.5°	1466.6	1477.8	1510.3	1559.0	1581.4
35°	1384.4	1390.5	1423.0	1465.6	1495.0
37.5°	1290.9	1293.9	1324.4	1364.0	1390.5
40°	1190.4	1192.4	1219.9	1257.4	1280.7
42.5°	1085.7	1086.7	1116.2	1144.7	1165.0
45°	976.1	987.3	1011.6	1035.9	1048.1
47.5°	877.5	885.7	908.0	929.4	940.5
50°	775.0	795.2	810.5	821.6	834.9
52.5°	686.6	703.9	707.9	721.1	732.3
55°	601.2	613.4	609.4	620.5	631.7
57.5°	529.2	523.1	509.9	529.2	543.4
60°	461.1	444.9	422.5	448.9	470.3
62.5°	400.2	373.7	346.3	372.7	408.3
65°	346.3	319.0	285.4	310.8	348.3
67.5°	305.8	277.3	237.7	263.1	300.7
70°	275.3	245.8	205.2	226.5	260.0
72.5°	250.9	219.4	183.8	198.0	226.5
75°	227.5	196.0	170.6	174.7	201.1
77.5°	200.1	176.7	156.4	154.4	174.7
80°	167.6	160.4	136.1	133.0	144.2
82.5°	138.1	135.0	111.7	108.7	112.7
85°	100.6	104.6	79.3	77.2	81.3
87.5°	52.8	57.9	41.7	43.7	44.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)