

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: P219196

Luminaire Tested: **24GR-LD5-72-A125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P219196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33306)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24GR-LD5-72-A125-UNV-L950-CD1-U
Description: METALUX GR 2X4 LED TROFFER WITH A125 LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6728.4 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.2 / 1.26
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

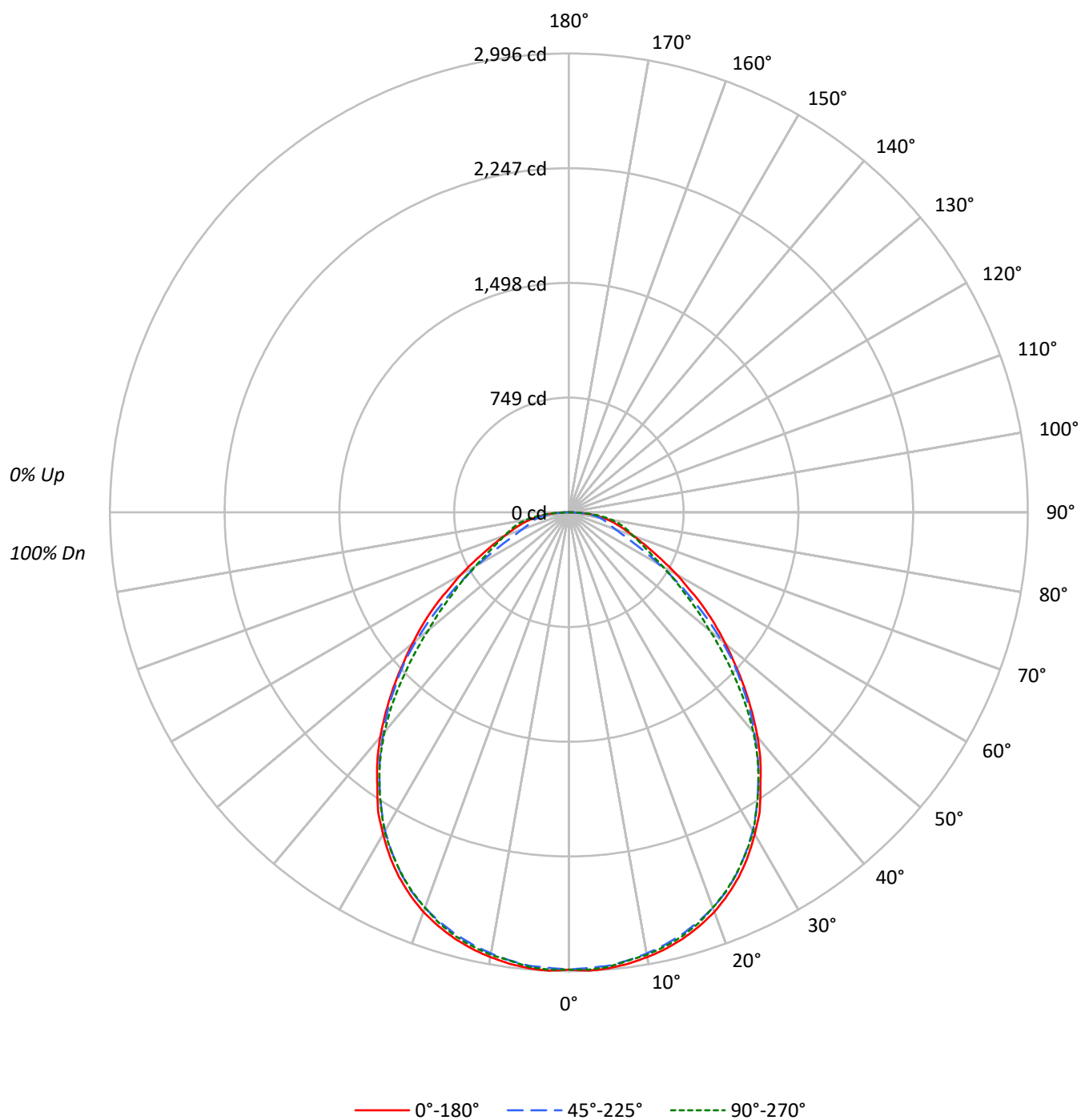
Input Watts (W): 56.061
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	107	103	99	96		99	96	93			95	93	90			91
2	101	93	87	82	98	91	86	81		88	83	79			85	81	77			82
3	93	83	75	69	90	81	74	69		79	73	68			76	71	67			73
4	86	74	66	60	83	73	65	60		71	64	59			68	63	58			66
5	79	67	59	53	77	66	58	52		64	57	52			62	56	51			60
6	73	61	53	46	72	60	52	46		58	51	46			57	50	45			55
7	68	56	47	42	67	55	47	41		53	46	41			52	46	41			51
8	64	51	43	37	62	50	43	37		49	42	37			48	41	37			47
9	60	47	39	34	58	46	39	34		45	38	34			44	38	33			43
10	56	44	36	31	55	43	36	31		42	35	31			41	35	31			40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4572	4572	4572
5°	4595	4569	4580
10°	4586	4549	4562
15°	4569	4523	4543
20°	4525	4480	4478
25°	4437	4390	4386
30°	4291	4247	4256
35°	4076	4029	4035
40°	3832	3766	3743
45°	3512	3465	3328
50°	3175	3089	2856
55°	2851	2595	2462
60°	2496	2089	2165
65°	2177	1642	1993
70°	1992	1433	1992
75°	1993	1526	2196
80°	2164	1797	2502
85°	2374	2028	2685



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.7	4.2
10°-20°	806.8	12.0
20°-30°	1196.3	17.8
30°-40°	1349.5	20.1
40°-50°	1222.3	18.2
50°-60°	881.8	13.1
60°-70°	526.5	7.8
70°-80°	325.4	4.8
80°-90°	137.1	2.0
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°	2285.7	34.0
0°-40°	3635.3	54.0
0°-60°	5739.4	85.3
0°-90°	6728.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6728.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2985	2985	2985	2985	2985	
5°	2988	2984	2972	2969	2979	284
15°	2881	2864	2852	2853	2865	812
25°	2626	2611	2598	2588	2596	1206
35°	2180	2177	2155	2156	2158	1364
45°	1622	1611	1600	1560	1536	1250
55°	1068	1034	972	924	922	953
65°	601	529	453	514	550	604
75°	337	292	258	321	371	360
85°	135	118	115	151	153	141
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2985.3	2985.3	2985.3	2985.3	2985.3
2.5°	2995.7	2987.3	2977.0	2983.3	2988.4
5°	2988.4	2984.3	2971.8	2968.7	2979.1
7.5°	2972.9	2962.4	2951.0	2956.2	2952.0
10°	2948.9	2939.6	2925.0	2926.1	2933.3
12.5°	2919.8	2908.4	2892.8	2897.0	2903.2
15°	2881.3	2863.7	2852.3	2853.3	2864.8
17.5°	2832.6	2819.0	2804.4	2807.5	2812.7
20°	2776.4	2769.1	2748.3	2742.1	2747.3
22.5°	2705.7	2692.1	2680.8	2677.7	2678.7
25°	2625.6	2611.1	2597.6	2588.2	2595.5
27.5°	2532.1	2519.6	2502.0	2498.9	2505.0
30°	2426.1	2416.7	2401.1	2396.9	2406.3
32.5°	2318.0	2302.4	2280.6	2280.6	2282.6
35°	2179.7	2176.6	2154.8	2155.8	2157.9
37.5°	2055.0	2040.5	2027.9	2015.5	2021.7
40°	1916.7	1900.1	1883.5	1875.1	1872.1
42.5°	1768.1	1755.7	1748.4	1718.3	1711.0
45°	1621.5	1611.2	1599.7	1560.2	1536.4
47.5°	1471.8	1469.8	1460.5	1390.8	1366.9
50°	1332.6	1329.4	1296.2	1222.4	1198.5
52.5°	1200.6	1179.8	1136.1	1063.3	1059.2
55°	1067.5	1034.2	971.9	924.1	922.0
57.5°	927.2	887.7	824.3	798.3	811.8
60°	814.9	754.7	681.9	685.0	706.8
62.5°	698.5	630.9	559.2	590.4	616.4
65°	600.8	529.1	453.2	514.5	549.9
67.5°	515.6	449.1	376.3	458.4	492.7
70°	444.9	390.8	320.1	406.4	444.9
72.5°	388.8	338.9	283.7	364.8	409.5
75°	336.8	292.1	257.8	321.2	371.1
77.5°	292.1	248.4	232.9	283.7	332.6
80°	245.3	205.8	203.7	247.4	283.7
82.5°	191.3	164.3	164.3	206.8	228.7
85°	135.1	118.5	115.4	150.7	152.8
87.5°	69.6	66.5	60.3	79.0	79.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)