

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: P219165

Luminaire Tested: **24GR-LD5-64-A125-UNV-L935-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P219165
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-LD5-64-A125-UNV-L935-CD1-U
Description: METALUX GR 2X4 LED TROFFER WITH A125 LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5503.0 lumens
Efficiency: N/A
Efficacy: 114.3 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

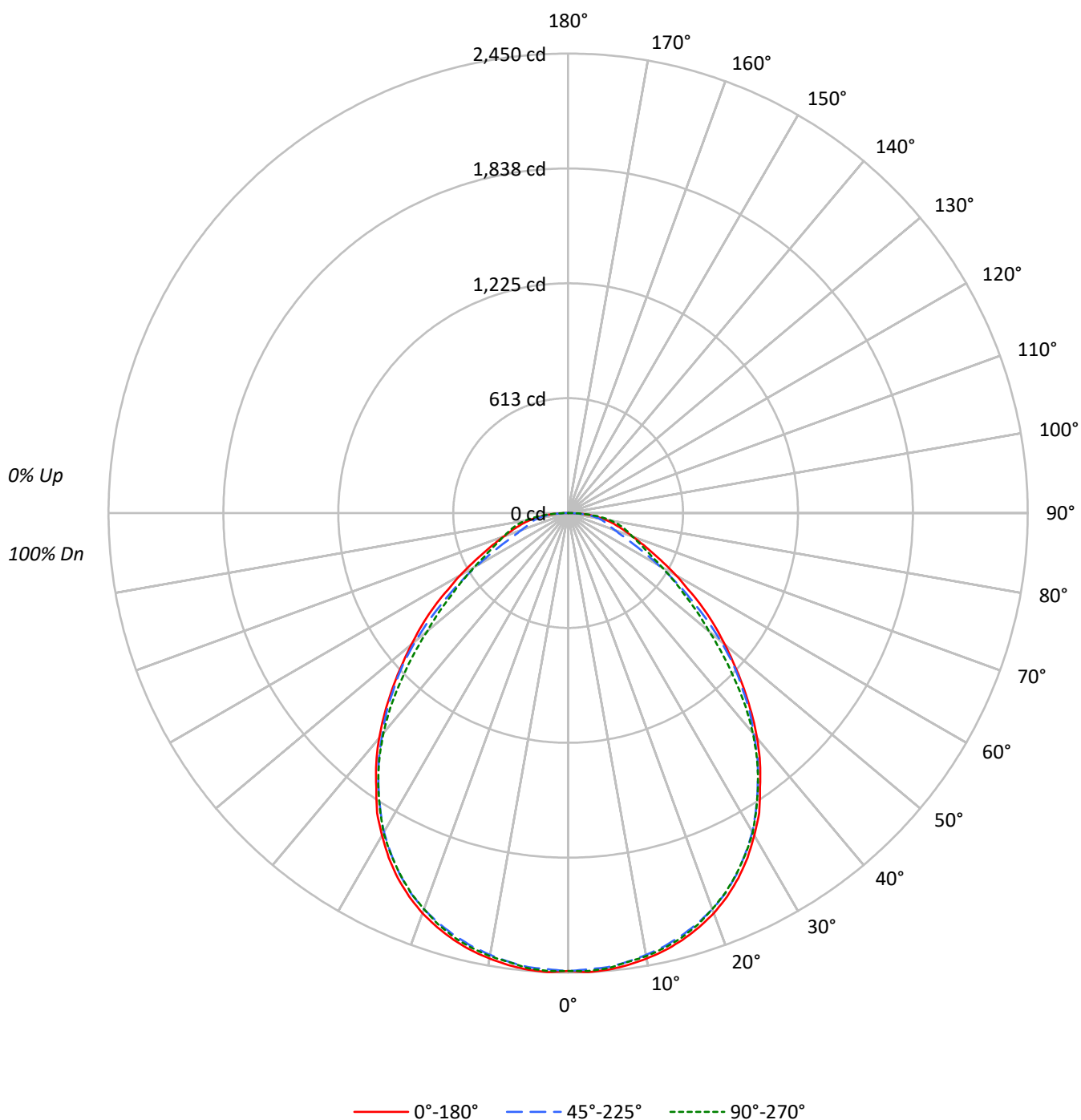
Input Watts (W): 48.149
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3740	3740	3740
5°	3758	3737	3746
10°	3751	3721	3731
15°	3737	3699	3715
20°	3701	3664	3662
25°	3629	3590	3587
30°	3509	3473	3481
35°	3333	3295	3300
40°	3134	3080	3061
45°	2873	2834	2722
50°	2597	2526	2336
55°	2331	2123	2014
60°	2042	1708	1771
65°	1781	1343	1630
70°	1630	1173	1630
75°	1630	1247	1796
80°	1769	1469	2046
85°	1942	1659	2197



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.2	4.2
10°-20°	659.8	12.0
20°-30°	978.4	17.8
30°-40°	1103.8	20.1
40°-50°	999.7	18.2
50°-60°	721.2	13.1
60°-70°	430.6	7.8
70°-80°	266.1	4.8
80°-90°	112.1	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°	1869.5	34.0
0°-40°	2973.2	54.0
0°-60°	4694.1	85.3
0°-90°	5503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5503.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2442	2442	2442	2442	2442	
5°	2444	2441	2431	2428	2436	232
15°	2357	2342	2333	2334	2343	664
25°	2147	2136	2124	2117	2123	987
35°	1783	1780	1762	1763	1765	1115
45°	1326	1318	1308	1276	1257	1022
55°	873	846	795	756	754	779
65°	491	433	371	421	450	494
75°	276	239	211	263	304	294
85°	110	97	94	123	125	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2441.6	2441.6	2441.6	2441.6	2441.6
2.5°	2450.1	2443.3	2434.8	2439.9	2444.2
5°	2444.2	2440.8	2430.6	2428.0	2436.5
7.5°	2431.4	2422.9	2413.6	2417.8	2414.4
10°	2411.9	2404.2	2392.3	2393.2	2399.1
12.5°	2388.1	2378.7	2366.0	2369.4	2374.5
15°	2356.6	2342.2	2332.8	2333.7	2343.0
17.5°	2316.7	2305.6	2293.7	2296.3	2300.5
20°	2270.8	2264.8	2247.8	2242.7	2247.0
22.5°	2212.9	2201.8	2192.5	2189.9	2190.8
25°	2147.4	2135.5	2124.5	2116.8	2122.8
27.5°	2070.9	2060.7	2046.3	2043.7	2048.8
30°	1984.2	1976.6	1963.8	1960.4	1968.1
32.5°	1895.8	1883.1	1865.2	1865.2	1866.9
35°	1782.8	1780.2	1762.4	1763.2	1764.9
37.5°	1680.7	1668.8	1658.6	1648.4	1653.5
40°	1567.7	1554.1	1540.5	1533.7	1531.1
42.5°	1446.1	1435.9	1430.0	1405.3	1399.4
45°	1326.3	1317.8	1308.4	1276.1	1256.6
47.5°	1203.8	1202.1	1194.4	1137.5	1117.9
50°	1089.9	1087.3	1060.1	999.8	980.2
52.5°	981.9	964.9	929.2	869.7	866.3
55°	873.1	845.9	794.9	755.8	754.1
57.5°	758.4	726.0	674.1	652.9	663.9
60°	666.5	617.2	557.7	560.2	578.1
62.5°	571.3	516.0	457.4	482.9	504.1
65°	491.4	432.7	370.7	420.8	449.7
67.5°	421.7	367.3	307.8	374.9	403.0
70°	363.9	319.7	261.9	332.4	363.9
72.5°	318.0	277.2	232.0	298.4	335.0
75°	275.5	238.8	210.8	262.7	303.5
77.5°	238.8	203.2	190.4	232.0	272.1
80°	200.6	168.3	166.6	202.3	232.0
82.5°	156.4	134.3	134.3	169.2	187.0
85°	110.5	96.9	94.4	123.2	125.0
87.5°	57.0	54.4	49.3	64.6	64.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)