

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: P219151

Luminaire Tested: **24GR-LD5-72-A125-UNV-L930-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P219151
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-L930-CD1-U
Description: METALUX GR 2X4 LED TROFFER WITH A125 LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5860.9 lumens
Efficiency: N/A
Efficacy: 104.5 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

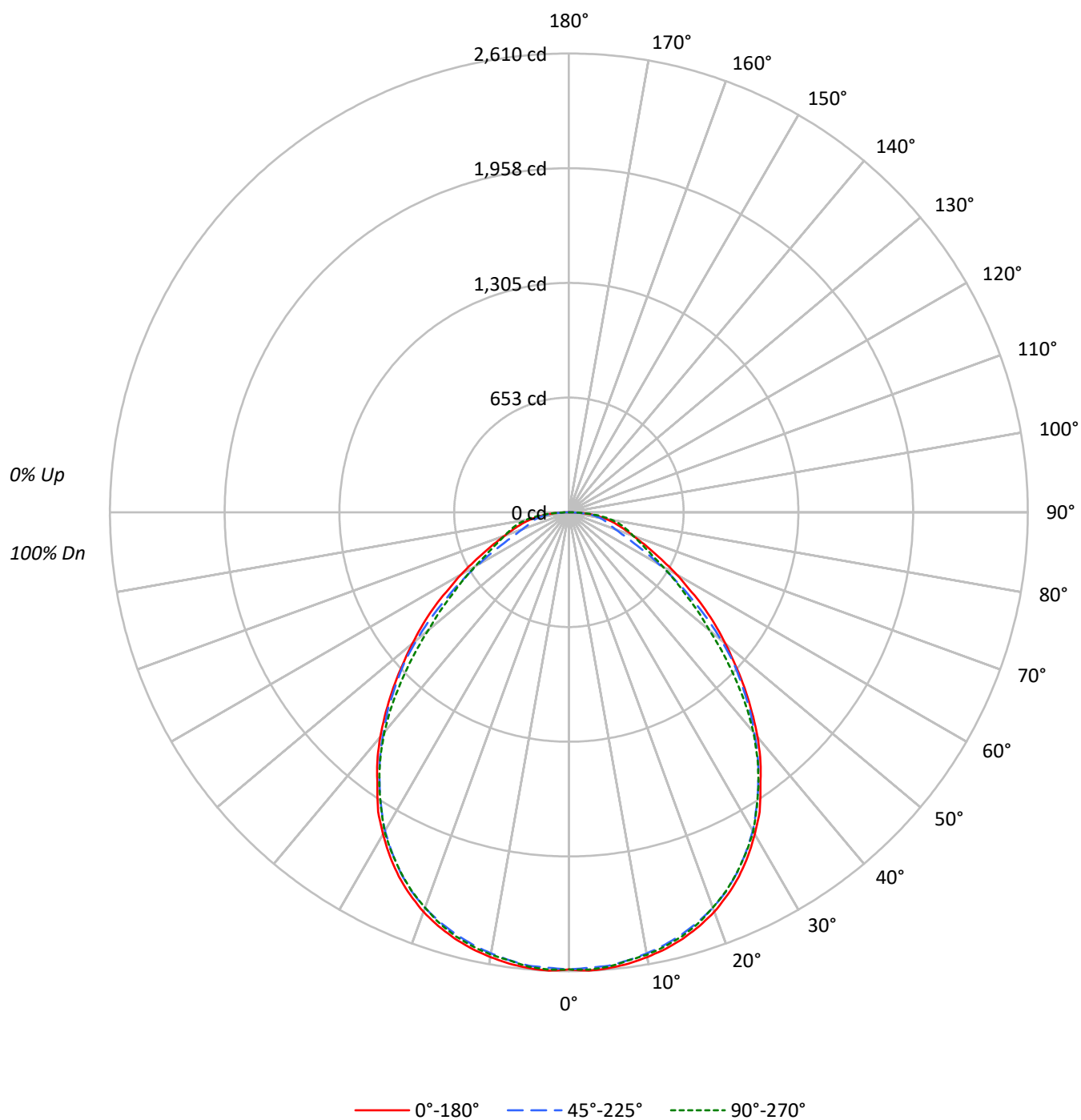
Input Watts (W): 56.061
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P219151

CATALOG NUMBER: 24GR-LD5-72-A125-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P219151

CATALOG NUMBER: 24GR-LD5-72-A125-UNV-L930-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	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	69	90	81	74	69	79	73	68	76	71	67	73	69	65	63		
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	53	46	72	60	52	46	58	51	46	57	50	45	55	49	45	43		
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39		
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35		
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	32		
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3983	3983	3983
5°	4002	3980	3990
10°	3995	3963	3974
15°	3980	3940	3957
20°	3942	3902	3901
25°	3865	3824	3821
30°	3738	3699	3707
35°	3550	3510	3515
40°	3338	3280	3260
45°	3059	3018	2899
50°	2766	2690	2487
55°	2483	2261	2145
60°	2175	1819	1886
65°	1897	1430	1736
70°	1735	1249	1735
75°	1736	1329	1913
80°	1885	1565	2179
85°	2068	1766	2339



TEST NUMBER: P219151

CATALOG NUMBER: 24GR-LD5-72-A125-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	4.2
10°-20°	702.7	12.0
20°-30°	1042.0	17.8
30°-40°	1175.5	20.1
40°-50°	1064.7	18.2
50°-60°	768.1	13.1
60°-70°	458.6	7.8
70°-80°	283.4	4.8
80°-90°	119.4	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°	1991.0	34.0
0°-40°	3166.6	54.0
0°-60°	4999.4	85.3
0°-90°	5860.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5860.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2600	2600	2600	2600	2600	
5°	2603	2600	2589	2586	2595	247
15°	2510	2494	2484	2485	2495	707
25°	2287	2274	2263	2254	2261	1051
35°	1899	1896	1877	1878	1880	1188
45°	1412	1403	1393	1359	1338	1088
55°	930	901	847	805	803	830
65°	523	461	395	448	479	526
75°	293	254	224	280	323	313
85°	118	103	100	131	133	123
90°	0	0	0	0	0	



TEST NUMBER: P219151

CATALOG NUMBER: 24GR-LD5-72-A125-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2600.4	2600.4	2600.4	2600.4	2600.4
2.5°	2609.5	2602.2	2593.2	2598.6	2603.1
5°	2603.1	2599.5	2588.7	2585.9	2595.0
7.5°	2589.6	2580.5	2570.5	2575.0	2571.4
10°	2568.7	2560.5	2547.9	2548.8	2555.1
12.5°	2543.3	2533.4	2519.8	2523.5	2528.9
15°	2509.9	2494.4	2484.5	2485.4	2495.3
17.5°	2467.3	2455.5	2442.9	2445.6	2450.1
20°	2418.4	2412.0	2394.0	2388.5	2393.1
22.5°	2356.8	2345.0	2335.1	2332.4	2333.3
25°	2287.1	2274.4	2262.7	2254.5	2260.8
27.5°	2205.6	2194.7	2179.4	2176.7	2182.1
30°	2113.3	2105.1	2091.6	2087.9	2096.1
32.5°	2019.1	2005.6	1986.5	1986.5	1988.3
35°	1898.7	1896.0	1877.0	1877.9	1879.7
37.5°	1790.1	1777.4	1766.5	1755.6	1761.0
40°	1669.6	1655.1	1640.7	1633.4	1630.7
42.5°	1540.1	1529.3	1522.9	1496.7	1490.4
45°	1412.4	1403.4	1393.4	1359.1	1338.2
47.5°	1282.1	1280.3	1272.1	1211.5	1190.6
50°	1160.8	1158.0	1129.1	1064.8	1043.9
52.5°	1045.7	1027.6	989.7	926.3	922.7
55°	929.9	900.9	846.6	804.9	803.1
57.5°	807.6	773.3	718.0	695.4	707.2
60°	709.9	657.3	593.9	596.7	615.7
62.5°	608.4	549.6	487.1	514.3	536.9
65°	523.3	460.8	394.7	448.2	479.0
67.5°	449.1	391.1	327.8	399.3	429.2
70°	387.5	340.5	278.9	354.0	387.5
72.5°	338.7	295.2	247.1	317.8	356.7
75°	293.4	254.4	224.5	279.8	323.2
77.5°	254.4	216.4	202.8	247.1	289.7
80°	213.7	179.3	177.4	215.5	247.1
82.5°	166.6	143.1	143.1	180.2	199.2
85°	117.7	103.2	100.5	131.3	133.1
87.5°	60.7	58.0	52.5	68.8	68.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)