

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: P234129

Luminaire Tested: **22GR-LD5-70-A125-UNV-L930-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234129
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-LD5-70-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: 5487.1 lumens
Efficiency: N/A
Efficacy: 85.5 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

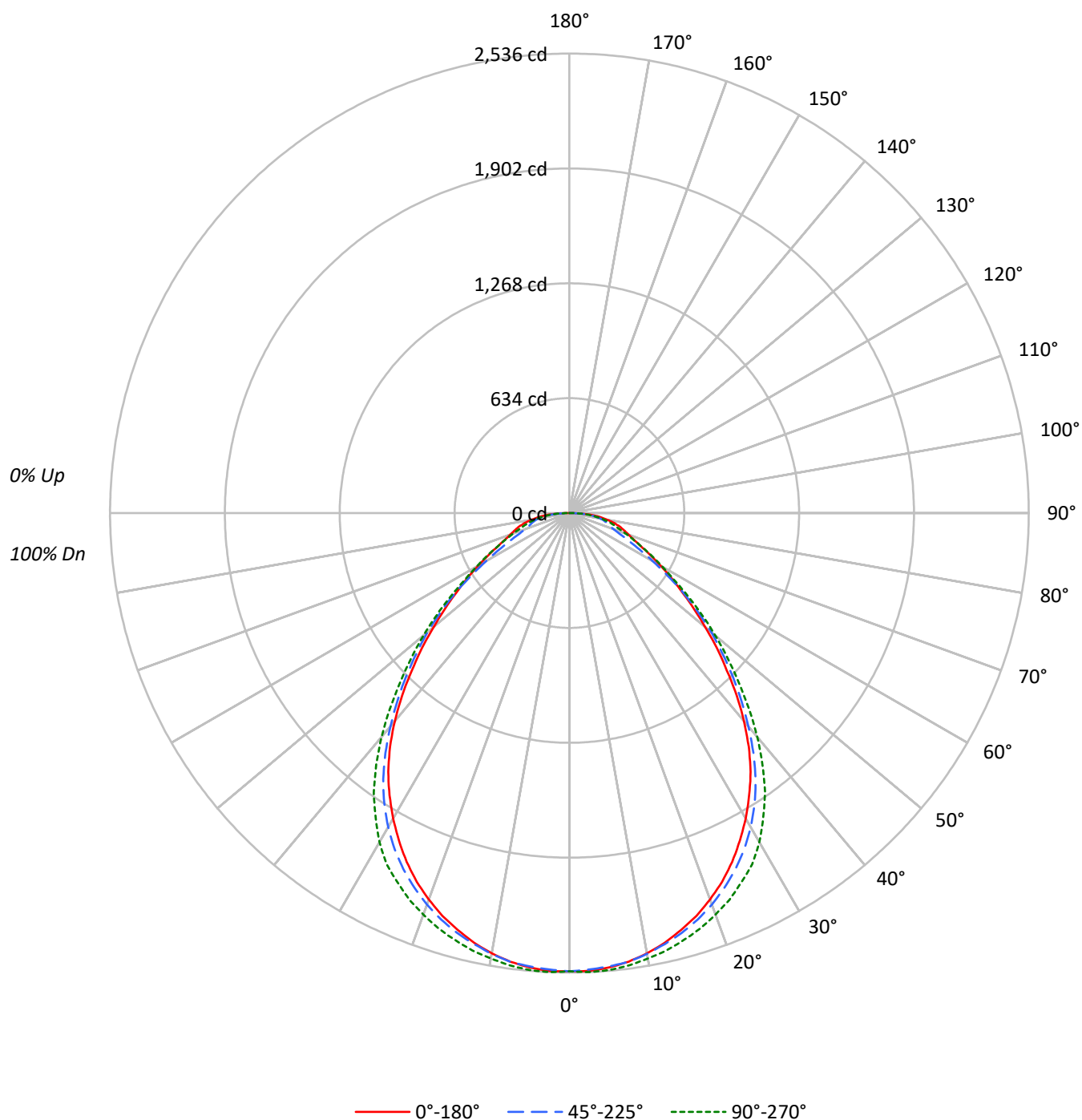
Input Watts (W): 64.16
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8100	8100	8100
5°	8094	8073	8139
10°	8025	8034	8117
15°	7898	7953	8089
20°	7735	7835	8036
25°	7509	7663	7943
30°	7196	7400	7754
35°	6817	7007	7362
40°	6269	6423	6744
45°	5568	5771	5980
50°	4863	5086	5239
55°	4229	4286	4443
60°	3720	3409	3794
65°	3305	2724	3325
70°	3246	2420	3067
75°	3546	2659	3134
80°	3893	3163	3349
85°	4656	3667	3759



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.0	4.4
10°-20°	677.9	12.4
20°-30°	1000.8	18.2
30°-40°	1119.8	20.4
40°-50°	983.4	17.9
50°-60°	695.8	12.7
60°-70°	405.0	7.4
70°-80°	252.4	4.6
80°-90°	112.9	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°	1917.7	34.9
0°-40°	3037.5	55.4
0°-60°	4716.8	86.0
0°-90°	5487.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5487.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2529	2529	2529	2529	2529	
5°	2518	2511	2511	2524	2532	239
15°	2382	2387	2399	2424	2440	671
25°	2125	2134	2168	2220	2248	976
35°	1744	1751	1792	1846	1883	1084
45°	1230	1244	1274	1305	1320	951
55°	757	773	768	782	796	685
65°	436	402	360	392	439	442
75°	287	247	215	220	253	299
85°	127	132	100	97	102	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2529.3	2529.3	2529.3	2529.3	2529.3
2.5°	2529.3	2524.2	2521.7	2530.6	2535.7
5°	2517.8	2511.4	2511.4	2524.2	2531.8
7.5°	2497.3	2490.9	2498.6	2510.1	2517.8
10°	2467.9	2465.3	2470.5	2485.8	2496.1
12.5°	2429.5	2430.8	2435.9	2460.2	2473.0
15°	2382.2	2387.3	2398.8	2424.4	2439.7
17.5°	2331.0	2334.9	2352.7	2382.2	2403.9
20°	2269.6	2277.3	2299.0	2336.1	2357.9
22.5°	2201.8	2210.7	2237.6	2282.4	2309.3
25°	2125.0	2134.0	2168.5	2219.7	2247.9
27.5°	2038.0	2052.1	2090.5	2146.8	2185.1
30°	1945.9	1957.4	2001.0	2064.9	2096.9
32.5°	1847.4	1861.5	1902.4	1963.8	1991.9
35°	1743.8	1751.4	1792.4	1846.1	1883.2
37.5°	1626.1	1629.9	1668.3	1718.2	1751.4
40°	1499.5	1502.0	1536.5	1583.8	1613.3
42.5°	1367.7	1368.9	1406.1	1441.8	1467.5
45°	1229.5	1243.5	1274.3	1304.9	1320.3
47.5°	1105.4	1115.6	1143.7	1170.6	1184.7
50°	976.1	1001.7	1020.9	1035.0	1051.6
52.5°	864.9	886.6	891.8	908.3	922.4
55°	757.4	772.8	767.6	781.7	795.7
57.5°	666.6	658.9	642.2	666.6	684.5
60°	580.8	560.4	532.2	565.5	592.4
62.5°	504.1	470.8	436.2	469.5	514.3
65°	436.2	401.7	359.5	391.5	438.8
67.5°	385.1	349.2	299.4	331.4	378.7
70°	346.7	309.6	258.5	285.3	327.5
72.5°	316.0	276.3	231.6	249.4	285.3
75°	286.6	246.9	214.9	220.1	253.3
77.5°	252.1	222.6	197.0	194.5	220.1
80°	211.1	202.1	171.5	167.6	181.6
82.5°	174.0	170.1	140.7	136.9	142.0
85°	126.7	131.8	99.8	97.3	102.3
87.5°	66.5	72.9	52.5	55.0	56.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)