

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: P234132

Luminaire Tested: **22GR-LD5-70-A125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234132
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-L950-CD1-U
Description: METALUX 2X2 GRLED TROFFER
WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6964.0 lumens
Efficiency: N/A
Efficacy: 108.5 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

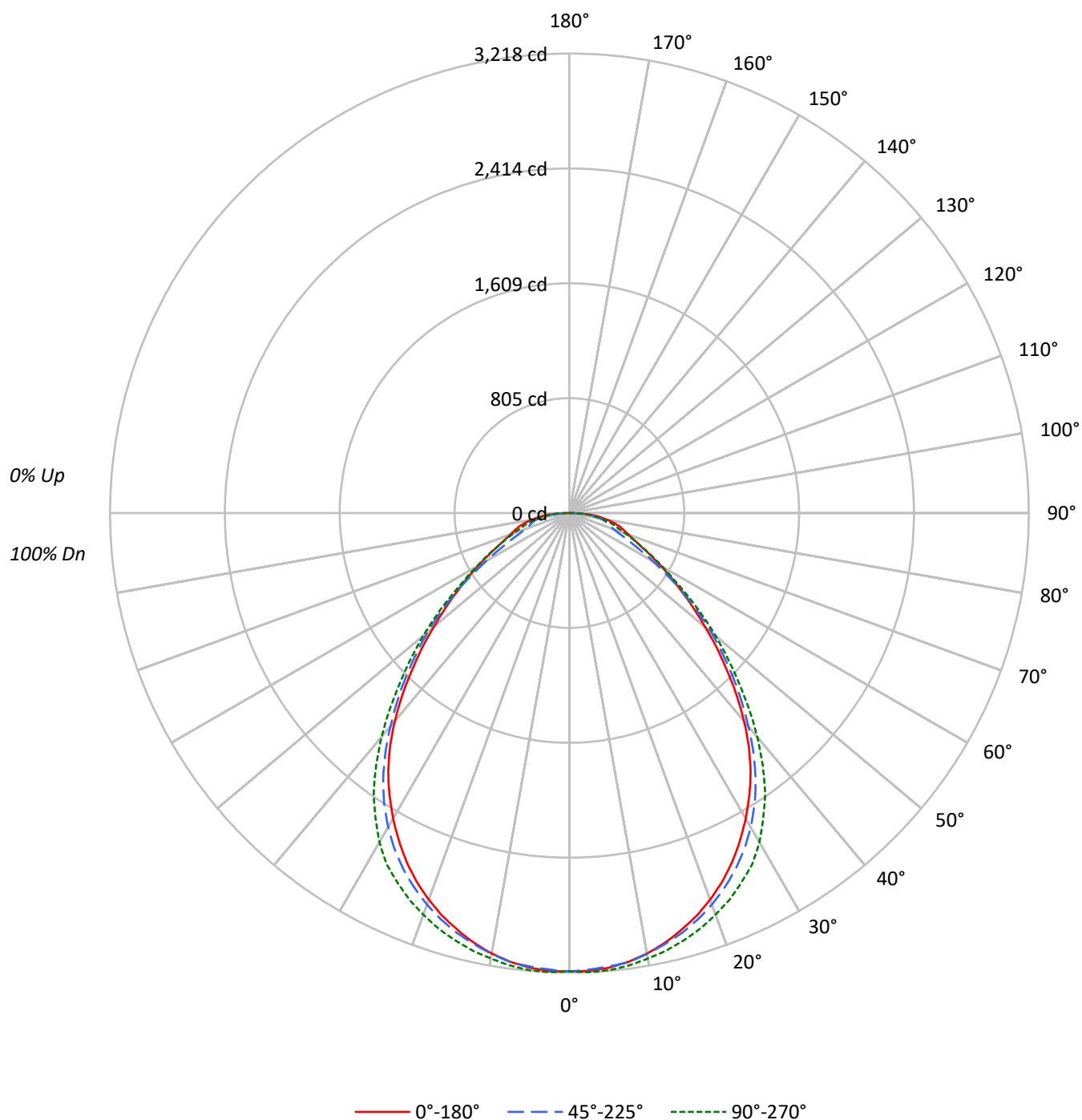
Input Watts (W): 64.16
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	102	98	107	103	100	96		99	96	93			95	93	91			92
2	101	94	87	82	98	92	86	81		88	83	79			85	81	78			82
3	93	83	76	70	91	82	75	69		79	73	68			76	71	67			74
4	86	75	67	61	84	74	66	60		71	65	59			69	63	59			67
5	80	68	59	53	78	67	59	53		65	58	52			63	57	52			61
6	74	61	53	47	72	61	53	47		59	52	47			57	51	46			56
7	69	56	48	42	67	55	48	42		54	47	42			52	46	41			51
8	64	52	44	38	63	51	43	38		50	43	38			48	42	38			47
9	60	48	40	35	59	47	40	34		46	39	34			45	39	34			44
10	57	44	37	32	55	44	36	32		43	36	31			42	36	31			41

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10280	10280	10280
5°	10273	10246	10330
10°	10185	10196	10301
15°	10024	10094	10266
20°	9816	9944	10198
25°	9530	9725	10081
30°	9132	9390	9841
35°	8652	8893	9344
40°	7956	8152	8560
45°	7067	7324	7589
50°	6172	6455	6650
55°	5367	5439	5639
60°	4722	4327	4815
65°	4195	3458	4220
70°	4120	3071	3892
75°	4500	3375	3978
80°	4941	4013	4253
85°	5905	4656	4773



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.4	4.4
10°-20°	860.4	12.4
20°-30°	1270.1	18.2
30°-40°	1421.2	20.4
40°-50°	1248.1	17.9
50°-60°	883.1	12.7
60°-70°	514.0	7.4
70°-80°	320.4	4.6
80°-90°	143.3	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°	2433.8	34.9
0°-40°	3855.0	55.4
0°-60°	5986.2	86.0
0°-90°	6964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6964.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3210	3210	3210	3210	3210	
5°	3196	3187	3187	3204	3213	303
15°	3023	3030	3044	3077	3096	852
25°	2697	2708	2752	2817	2853	1239
35°	2213	2223	2275	2343	2390	1376
45°	1560	1578	1617	1656	1676	1207
55°	961	981	974	992	1010	869
65°	554	510	456	497	557	562
75°	364	313	273	279	322	380
85°	161	167	127	123	130	163
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3210.0	3210.0	3210.0	3210.0	3210.0
2.5°	3210.0	3203.6	3200.3	3211.7	3218.1
5°	3195.5	3187.3	3187.3	3203.6	3213.3
7.5°	3169.4	3161.3	3171.1	3185.7	3195.5
10°	3132.1	3128.9	3135.3	3154.9	3167.8
12.5°	3083.4	3085.0	3091.5	3122.4	3138.6
15°	3023.3	3029.8	3044.4	3076.9	3096.4
17.5°	2958.4	2963.2	2986.0	3023.3	3051.0
20°	2880.4	2890.2	2917.7	2964.9	2992.4
22.5°	2794.3	2805.7	2839.8	2896.7	2930.7
25°	2697.0	2708.3	2752.1	2817.1	2852.8
27.5°	2586.6	2604.4	2653.1	2724.5	2773.2
30°	2469.6	2484.2	2539.4	2620.6	2661.2
32.5°	2344.6	2362.5	2414.4	2492.4	2528.1
35°	2213.1	2222.9	2274.8	2343.0	2390.1
37.5°	2063.7	2068.6	2117.3	2180.6	2222.9
40°	1903.0	1906.2	1950.0	2010.1	2047.5
42.5°	1735.7	1737.4	1784.4	1829.9	1862.4
45°	1560.4	1578.2	1617.2	1656.2	1675.7
47.5°	1402.9	1415.9	1451.5	1485.7	1503.5
50°	1238.9	1271.4	1295.7	1313.6	1334.7
52.5°	1097.6	1125.2	1131.7	1152.8	1170.7
55°	961.2	980.7	974.2	992.1	1009.9
57.5°	845.9	836.2	815.1	845.9	868.7
60°	737.2	711.2	675.5	717.7	751.8
62.5°	639.7	597.5	553.6	595.9	652.7
65°	553.6	509.9	456.3	496.9	556.9
67.5°	488.8	443.3	379.9	420.5	480.6
70°	440.0	392.9	328.0	362.1	415.7
72.5°	401.0	350.7	293.9	316.6	362.1
75°	363.7	313.4	272.8	279.3	321.5
77.5°	319.9	282.6	250.1	246.8	279.3
80°	267.9	256.5	217.6	212.7	230.6
82.5°	220.9	215.9	178.6	173.7	180.3
85°	160.7	167.3	126.7	123.4	129.9
87.5°	84.4	92.5	66.6	69.8	71.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)