

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: P234128

Luminaire Tested: **22GR-LD5-60-A125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234128
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-LD5-60-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: 5907.9 lumens
Efficiency: N/A
Efficacy: 119.2 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

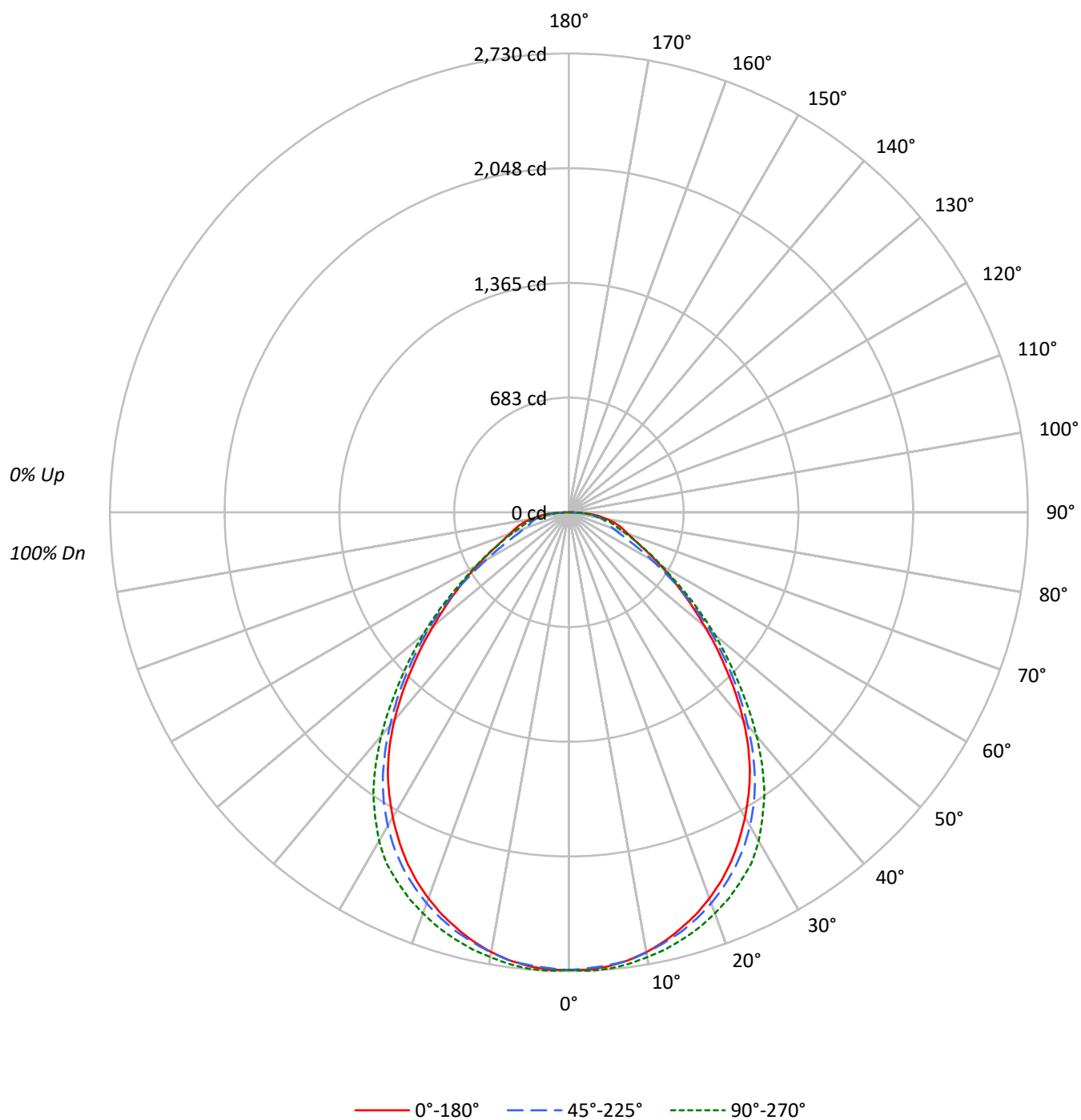
Input Watts (W): 49.58
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8721	8721	8721
5°	8715	8693	8763
10°	8641	8650	8739
15°	8503	8563	8709
20°	8328	8436	8652
25°	8085	8250	8552
30°	7748	7966	8349
35°	7340	7545	7927
40°	6749	6916	7262
45°	5995	6213	6438
50°	5236	5476	5641
55°	4553	4615	4784
60°	4006	3670	4084
65°	3559	2933	3580
70°	3495	2606	3302
75°	3818	2863	3374
80°	4192	3403	3607
85°	5012	3950	4049



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.4	4.4
10°-20°	729.9	12.4
20°-30°	1077.5	18.2
30°-40°	1205.7	20.4
40°-50°	1058.8	17.9
50°-60°	749.2	12.7
60°-70°	436.1	7.4
70°-80°	271.8	4.6
80°-90°	121.6	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°	2064.8	34.9
0°-40°	3270.5	55.4
0°-60°	5078.4	86.0
0°-90°	5907.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5907.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2723	2723	2723	2723	2723	
5°	2711	2704	2704	2718	2726	257
15°	2565	2570	2583	2610	2627	723
25°	2288	2298	2335	2390	2420	1051
35°	1878	1886	1930	1988	2028	1168
45°	1324	1339	1372	1405	1422	1024
55°	816	832	826	842	857	737
65°	470	432	387	422	472	476
75°	309	266	231	237	273	322
85°	136	142	108	105	110	139
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2723.3	2723.3	2723.3	2723.3	2723.3
2.5°	2723.3	2717.7	2715.0	2724.6	2730.2
5°	2710.9	2704.0	2704.0	2717.7	2726.0
7.5°	2688.8	2682.0	2690.2	2702.6	2710.9
10°	2657.1	2654.4	2659.9	2676.4	2687.4
12.5°	2615.8	2617.2	2622.7	2648.8	2662.7
15°	2564.8	2570.4	2582.8	2610.3	2626.8
17.5°	2509.8	2513.9	2533.2	2564.8	2588.2
20°	2443.6	2451.9	2475.3	2515.2	2538.6
22.5°	2370.6	2380.3	2409.2	2457.4	2486.3
25°	2288.0	2297.6	2334.8	2389.9	2420.2
27.5°	2194.3	2209.5	2250.8	2311.4	2352.7
30°	2095.1	2107.6	2154.3	2223.2	2257.7
32.5°	1989.1	2004.2	2048.3	2114.4	2144.7
35°	1877.5	1885.8	1929.8	1987.7	2027.7
37.5°	1750.7	1754.9	1796.2	1849.9	1885.8
40°	1614.4	1617.2	1654.4	1705.3	1737.0
42.5°	1472.5	1473.9	1513.9	1552.4	1579.9
45°	1323.8	1338.9	1371.9	1405.0	1421.5
47.5°	1190.1	1201.1	1231.4	1260.4	1275.5
50°	1051.0	1078.5	1099.2	1114.4	1132.3
52.5°	931.2	954.6	960.0	978.0	993.2
55°	815.5	832.0	826.5	841.7	856.8
57.5°	717.6	709.4	691.5	717.6	736.9
60°	625.4	603.3	573.0	608.9	637.7
62.5°	542.7	506.9	469.7	505.5	553.7
65°	469.7	432.5	387.0	421.5	472.5
67.5°	414.6	376.0	322.3	356.7	407.8
70°	373.3	333.3	278.3	307.2	352.6
72.5°	340.2	297.6	249.3	268.6	307.2
75°	308.6	265.8	231.4	237.0	272.7
77.5°	271.4	239.7	212.1	209.4	237.0
80°	227.3	217.7	184.5	180.5	195.6
82.5°	187.4	183.2	151.5	147.4	152.9
85°	136.4	141.9	107.5	104.6	110.2
87.5°	71.6	78.5	56.5	59.2	60.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)