

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: P234126

Luminaire Tested: **22GR-LD5-60-A125-UNV-L935-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234126
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-L935-CD1-U
Description: METALUX 2X2 GRLED TROFFER
WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5016.7 lumens
Efficiency: N/A
Efficacy: 101.2 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

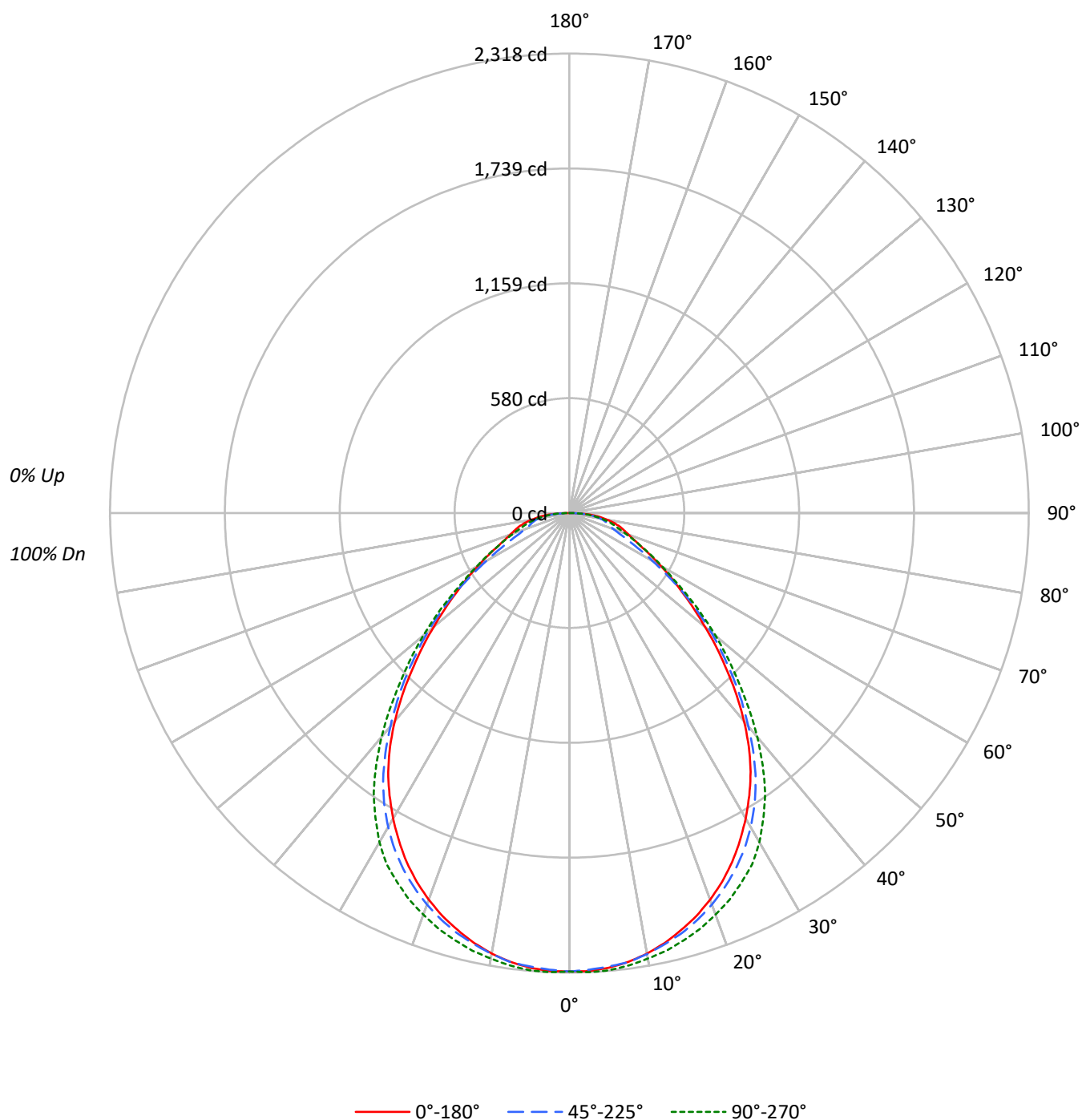
Input Watts (W): 49.58
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	102	98	107	103	100	96		99	96	93		95	93	91		92	90	88
2	101	94	87	82	98	92	86	81		88	83	79		85	81	78		82	79	76
3	93	83	76	70	91	82	75	69		79	73	68		76	71	67		74	70	66
4	86	75	67	61	84	74	66	60		71	65	59		69	63	59		67	62	58
5	80	68	59	53	78	67	59	53		65	58	52		63	57	52		61	56	51
6	74	61	53	47	72	61	53	47		59	52	47		57	51	46		56	50	46
7	69	56	48	42	67	55	48	42		54	47	42		52	46	41		51	46	41
8	64	52	44	38	63	51	43	38		50	43	38		48	42	38		47	42	37
9	60	48	40	35	59	47	40	34		46	39	34		45	39	34		44	38	34
10	57	44	37	32	55	44	36	32		43	36	31		42	36	31		41	35	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7405	7405	7405
5°	7400	7381	7441
10°	7337	7345	7421
15°	7221	7271	7395
20°	7072	7163	7347
25°	6865	7006	7262
30°	6579	6765	7089
35°	6233	6407	6731
40°	5731	5873	6166
45°	5091	5276	5467
50°	4447	4650	4790
55°	3866	3918	4062
60°	3401	3117	3468
65°	3022	2491	3040
70°	2968	2213	2804
75°	3242	2431	2866
80°	3559	2890	3063
85°	4255	3351	3439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.5	4.4
10°-20°	619.8	12.4
20°-30°	915.0	18.2
30°-40°	1023.8	20.4
40°-50°	899.1	17.9
50°-60°	636.2	12.7
60°-70°	370.3	7.4
70°-80°	230.8	4.6
80°-90°	103.2	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°	1753.3	34.9
0°-40°	2777.1	55.4
0°-60°	4312.4	86.0
0°-90°	5016.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5016.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2312	2312	2312	2312	2312	
5°	2302	2296	2296	2308	2315	218
15°	2178	2183	2193	2216	2231	614
25°	1943	1951	1983	2029	2055	892
35°	1594	1601	1639	1688	1722	991
45°	1124	1137	1165	1193	1207	869
55°	692	706	702	715	728	626
65°	399	367	329	358	401	405
75°	262	226	196	201	232	274
85°	116	120	91	89	94	118
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2312.4	2312.4	2312.4	2312.4	2312.4
2.5°	2312.4	2307.8	2305.5	2313.6	2318.3
5°	2301.9	2296.1	2296.1	2307.8	2314.8
7.5°	2283.2	2277.3	2284.4	2294.9	2301.9
10°	2256.3	2253.9	2258.6	2272.6	2282.1
12.5°	2221.2	2222.4	2227.1	2249.3	2261.0
15°	2178.0	2182.6	2193.2	2216.5	2230.6
17.5°	2131.1	2134.7	2151.0	2178.0	2197.8
20°	2075.0	2082.0	2101.9	2135.8	2155.7
22.5°	2013.1	2021.2	2045.8	2086.7	2111.2
25°	1942.8	1951.0	1982.6	2029.4	2055.1
27.5°	1863.3	1876.1	1911.2	1962.7	1997.8
30°	1779.0	1789.6	1829.4	1887.8	1917.1
32.5°	1689.0	1701.9	1739.3	1795.5	1821.2
35°	1594.3	1601.3	1638.7	1687.8	1721.8
37.5°	1486.6	1490.1	1525.2	1570.9	1601.3
40°	1370.9	1373.2	1404.8	1448.1	1474.9
42.5°	1250.4	1251.5	1285.5	1318.3	1341.6
45°	1124.0	1137.0	1165.0	1193.1	1207.1
47.5°	1010.6	1020.0	1045.7	1070.2	1083.2
50°	892.5	915.9	933.4	946.3	961.4
52.5°	790.7	810.6	815.2	830.4	843.4
55°	692.4	706.5	701.8	714.7	727.5
57.5°	609.4	602.4	587.2	609.4	625.8
60°	531.0	512.3	486.6	517.0	541.5
62.5°	460.9	430.4	398.8	429.2	470.2
65°	398.8	367.3	328.7	357.9	401.2
67.5°	352.1	319.3	273.7	302.9	346.2
70°	317.0	283.0	236.3	260.9	299.5
72.5°	288.9	252.6	211.7	228.1	260.9
75°	262.0	225.8	196.5	201.2	231.6
77.5°	230.4	203.5	180.1	177.8	201.2
80°	193.0	184.8	156.7	153.3	166.1
82.5°	159.0	155.5	128.7	125.1	129.8
85°	115.8	120.4	91.2	88.9	93.6
87.5°	60.9	66.6	47.9	50.3	51.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)