

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: P225719

Luminaire Tested: **22GR-LD5-20-A125-UNV-L935-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P225719
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-LD5-20-A125-UNV-L935-CD1-U
Description: METALUX GR 2X2 LED TROFFER WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1749.3 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

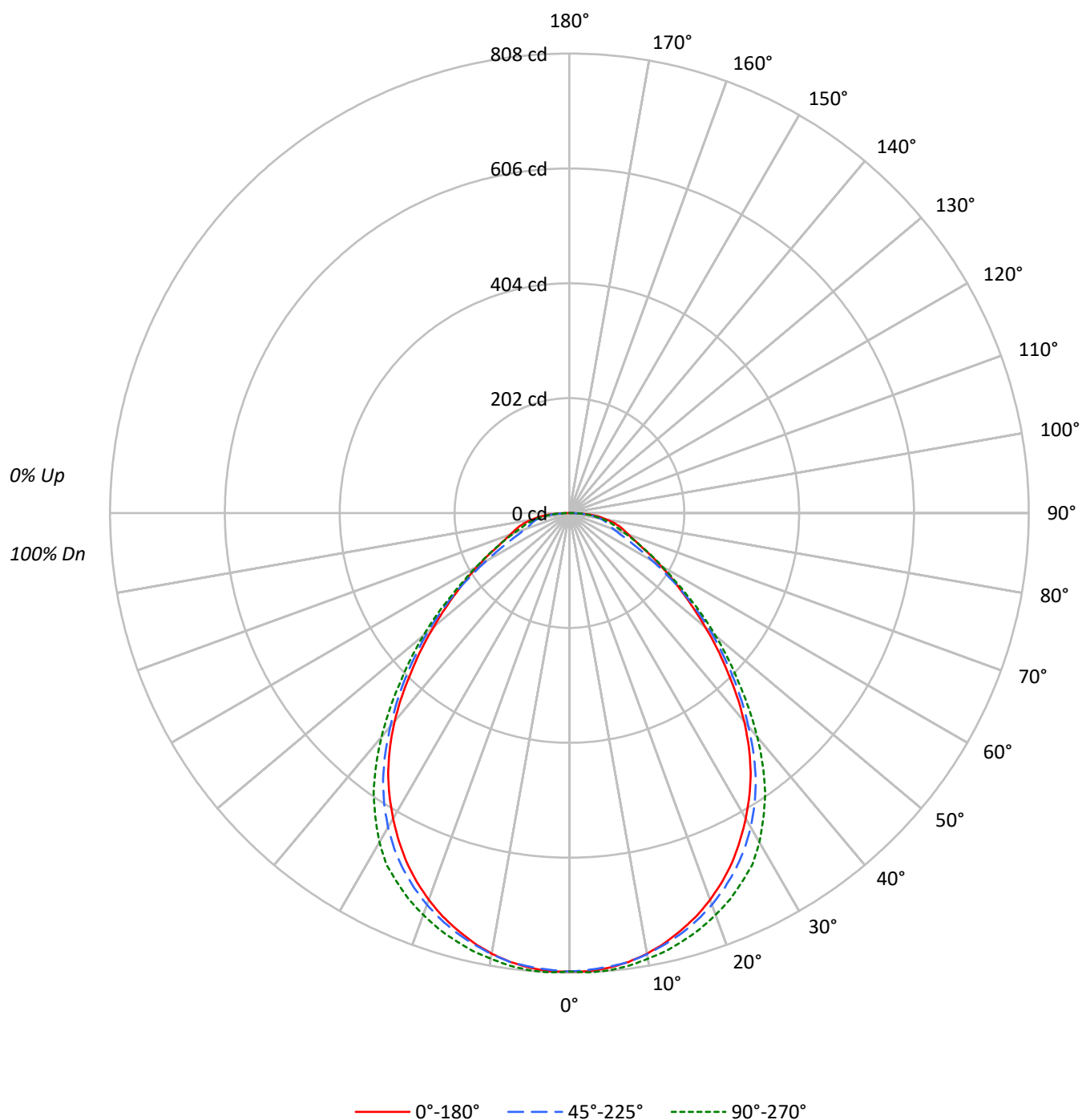
Input Watts (W): 16.13
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2582	2582	2582
5°	2580	2574	2595
10°	2559	2561	2588
15°	2518	2535	2579
20°	2466	2498	2562
25°	2394	2443	2532
30°	2294	2359	2472
35°	2173	2234	2347
40°	1998	2048	2150
45°	1775	1840	1906
50°	1550	1622	1670
55°	1348	1366	1417
60°	1186	1087	1210
65°	1054	868	1060
70°	1035	772	978
75°	1131	848	1000
80°	1241	1009	1068
85°	1484	1168	1198



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	4.4
10°-20°	216.1	12.4
20°-30°	319.0	18.2
30°-40°	357.0	20.4
40°-50°	313.5	17.9
50°-60°	221.8	12.7
60°-70°	129.1	7.4
70°-80°	80.5	4.6
80°-90°	36.0	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°	611.4	34.9
0°-40°	968.4	55.4
0°-60°	1503.7	86.0
0°-90°	1749.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1749.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	803	801	801	805	807	76
15°	760	761	765	773	778	214
25°	677	680	691	708	717	311
35°	556	558	572	588	600	346
45°	392	396	406	416	421	303
55°	242	246	245	249	254	218
65°	139	128	115	125	140	141
75°	91	79	68	70	81	95
85°	40	42	32	31	33	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	806.3	806.3	806.3	806.3	806.3
2.5°	806.3	804.7	803.9	806.7	808.4
5°	802.7	800.6	800.6	804.7	807.2
7.5°	796.1	794.1	796.5	800.2	802.7
10°	786.8	785.9	787.6	792.5	795.8
12.5°	774.5	774.9	776.6	784.3	788.4
15°	759.5	761.1	764.7	772.9	777.8
17.5°	743.2	744.3	750.0	759.5	766.4
20°	723.5	726.0	733.0	744.8	751.7
22.5°	701.9	704.8	713.3	727.6	736.2
25°	677.4	680.3	691.3	707.6	716.6
27.5°	649.7	654.2	666.5	684.4	696.7
30°	620.3	624.0	637.9	658.3	668.5
32.5°	589.0	593.5	606.5	626.0	635.0
35°	555.9	558.4	571.5	588.5	600.4
37.5°	518.4	519.6	531.8	547.7	558.4
40°	478.0	478.8	489.9	504.9	514.3
42.5°	436.0	436.4	448.2	459.7	467.8
45°	391.9	396.4	406.2	416.0	420.9
47.5°	352.4	355.6	364.6	373.2	377.7
50°	311.2	319.3	325.5	330.0	335.2
52.5°	275.7	282.6	284.2	289.6	294.1
55°	241.5	246.3	244.7	249.2	253.7
57.5°	212.5	210.0	204.8	212.5	218.2
60°	185.1	178.7	169.7	180.3	188.9
62.5°	160.7	150.1	139.1	149.7	164.0
65°	139.1	128.1	114.6	124.8	139.9
67.5°	122.7	111.4	95.5	105.7	120.7
70°	110.5	98.7	82.4	91.0	104.4
72.5°	100.7	88.1	73.9	79.6	91.0
75°	91.4	78.7	68.5	70.1	80.8
77.5°	80.3	71.0	62.8	62.0	70.1
80°	67.3	64.4	54.7	53.5	57.9
82.5°	55.5	54.2	44.9	43.6	45.3
85°	40.4	42.0	31.8	31.0	32.6
87.5°	21.2	23.3	16.7	17.5	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)