

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: P292388

Luminaire Tested: **22GR-LD5-32-A125-UNV-L82765-W2A1-U-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P292388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33297)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22GR-LD5-32-A125-UNV-L82765-W2A1-U-5000K  
Description: GRLED 2x2 TUNABLE WHITE TROFFER  
WITH A125 LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3302.0 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

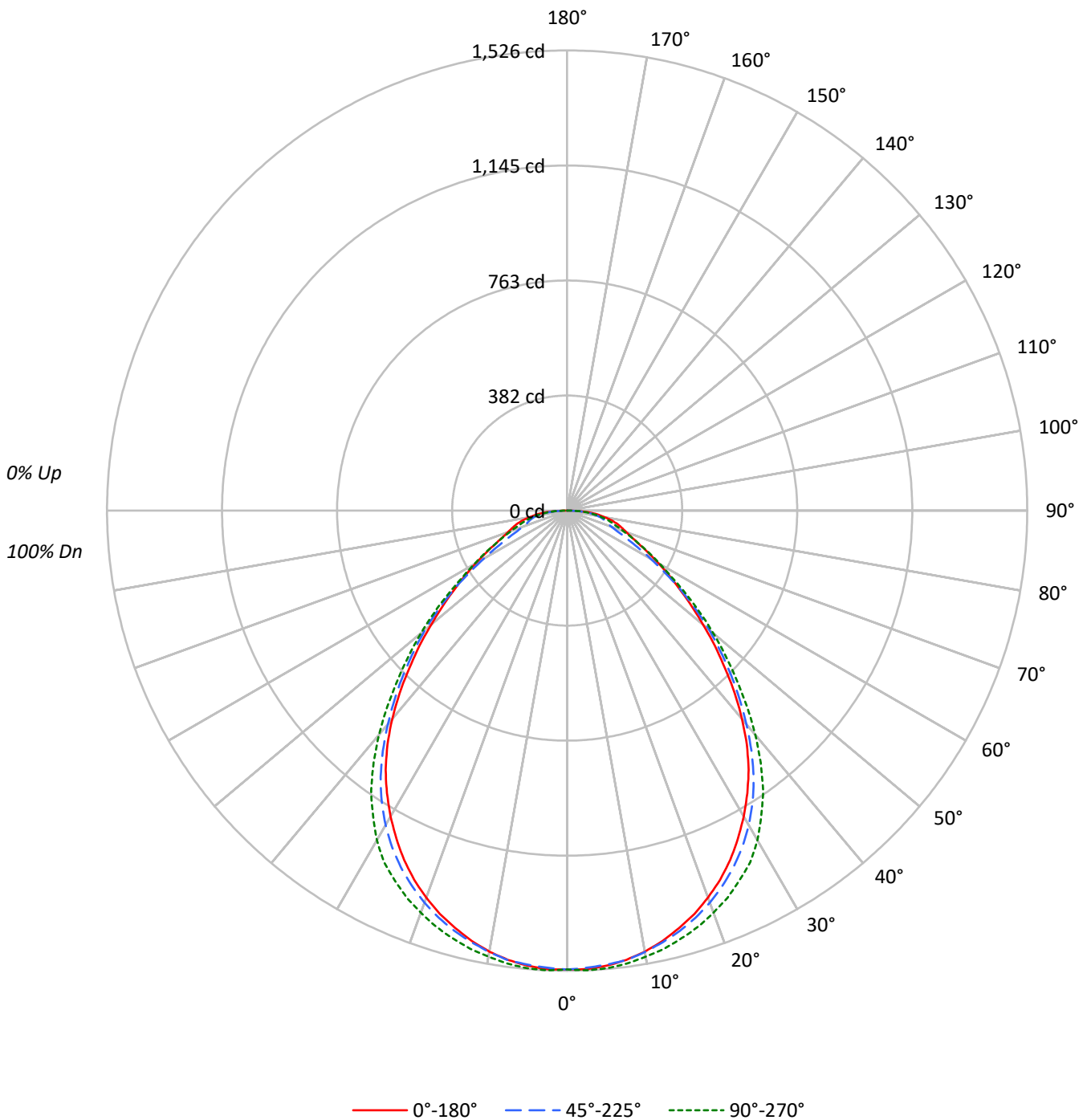
Input Watts (W): 25.11  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86					86			
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74					74			
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64					64			
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56					56			
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49					49			
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	46	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36					36			
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32					32			
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	29					29			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4096	4096	4096
5°	4093	4082	4116
10°	4058	4062	4104
15°	3994	4021	4090
20°	3911	3962	4063
25°	3797	3875	4016
30°	3639	3741	3921
35°	3447	3543	3723
40°	3170	3248	3410
45°	2816	2918	3024
50°	2459	2572	2649
55°	2138	2167	2247
60°	1881	1724	1919
65°	1671	1377	1682
70°	1641	1223	1551
75°	1794	1344	1585
80°	1968	1599	1694
85°	2353	1856	1902



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.8	4.4
10°-20°	407.9	12.4
20°-30°	602.2	18.2
30°-40°	673.9	20.4
40°-50°	591.8	17.9
50°-60°	418.7	12.7
60°-70°	243.7	7.4
70°-80°	151.9	4.6
80°-90°	68.0	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°	1154.0	34.9
0°-40°	1827.9	55.4
0°-60°	2838.4	86.0
0°-90°	3302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3302.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1522	1522	1522	1522	1522	
5°	1515	1511	1511	1519	1524	144
15°	1434	1437	1444	1459	1468	404
25°	1279	1284	1305	1336	1353	587
35°	1049	1054	1079	1111	1133	653
45°	740	748	767	785	794	572
55°	456	465	462	470	479	412
65°	262	242	216	236	264	266
75°	172	149	129	132	152	180
85°	76	79	60	58	62	77
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1522.1	1522.1	1522.1	1522.1	1522.1
2.5°	1522.1	1519.0	1517.4	1522.8	1525.9
5°	1515.1	1511.3	1511.3	1519.0	1523.6
7.5°	1502.8	1499.0	1503.6	1510.5	1515.1
10°	1485.1	1483.6	1486.6	1495.9	1502.0
12.5°	1462.0	1462.8	1465.9	1480.5	1488.2
15°	1433.5	1436.6	1443.5	1458.9	1468.2
17.5°	1402.7	1405.0	1415.8	1433.5	1446.6
20°	1365.8	1370.4	1383.5	1405.8	1418.9
22.5°	1325.0	1330.4	1346.5	1373.5	1389.6
25°	1278.8	1284.2	1305.0	1335.7	1352.7
27.5°	1226.4	1234.9	1258.0	1291.9	1315.0
30°	1171.0	1177.9	1204.1	1242.6	1261.8
32.5°	1111.7	1120.2	1144.8	1181.8	1198.7
35°	1049.4	1054.0	1078.6	1110.9	1133.3
37.5°	978.5	980.8	1003.9	1034.0	1054.0
40°	902.3	903.8	924.6	953.1	970.8
42.5°	823.0	823.8	846.1	867.7	883.1
45°	739.9	748.3	766.8	785.3	794.5
47.5°	665.2	671.3	688.3	704.4	712.9
50°	587.4	602.8	614.4	622.8	632.8
52.5°	520.4	533.5	536.6	546.6	555.1
55°	455.8	465.0	461.9	470.4	478.9
57.5°	401.1	396.5	386.5	401.1	411.9
60°	349.5	337.2	320.3	340.3	356.5
62.5°	303.3	283.3	262.5	282.5	309.5
65°	262.5	241.7	216.3	235.6	264.1
67.5°	231.7	210.2	180.2	199.4	227.9
70°	208.6	186.3	155.5	171.7	197.1
72.5°	190.2	166.3	139.3	150.1	171.7
75°	172.5	148.6	129.3	132.4	152.4
77.5°	151.7	134.0	118.6	117.0	132.4
80°	127.0	121.6	103.2	100.9	109.3
82.5°	104.7	102.4	84.7	82.4	85.5
85°	76.2	79.3	60.1	58.5	61.6
87.5°	40.0	43.9	31.6	33.1	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)