

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: P292508

Luminaire Tested: **22GR-LD5-43-A125-UNV-L92765-W2A1-U-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P292508  
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-LD5-43-A125-UNV-L92765-W2A1-U-2700K  
Description: GRLED 2x2 TUNABLE WHITE TROFFER  
WITH A125 LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3395.0 lumens  
Efficiency: N/A  
Efficacy: 96.8 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

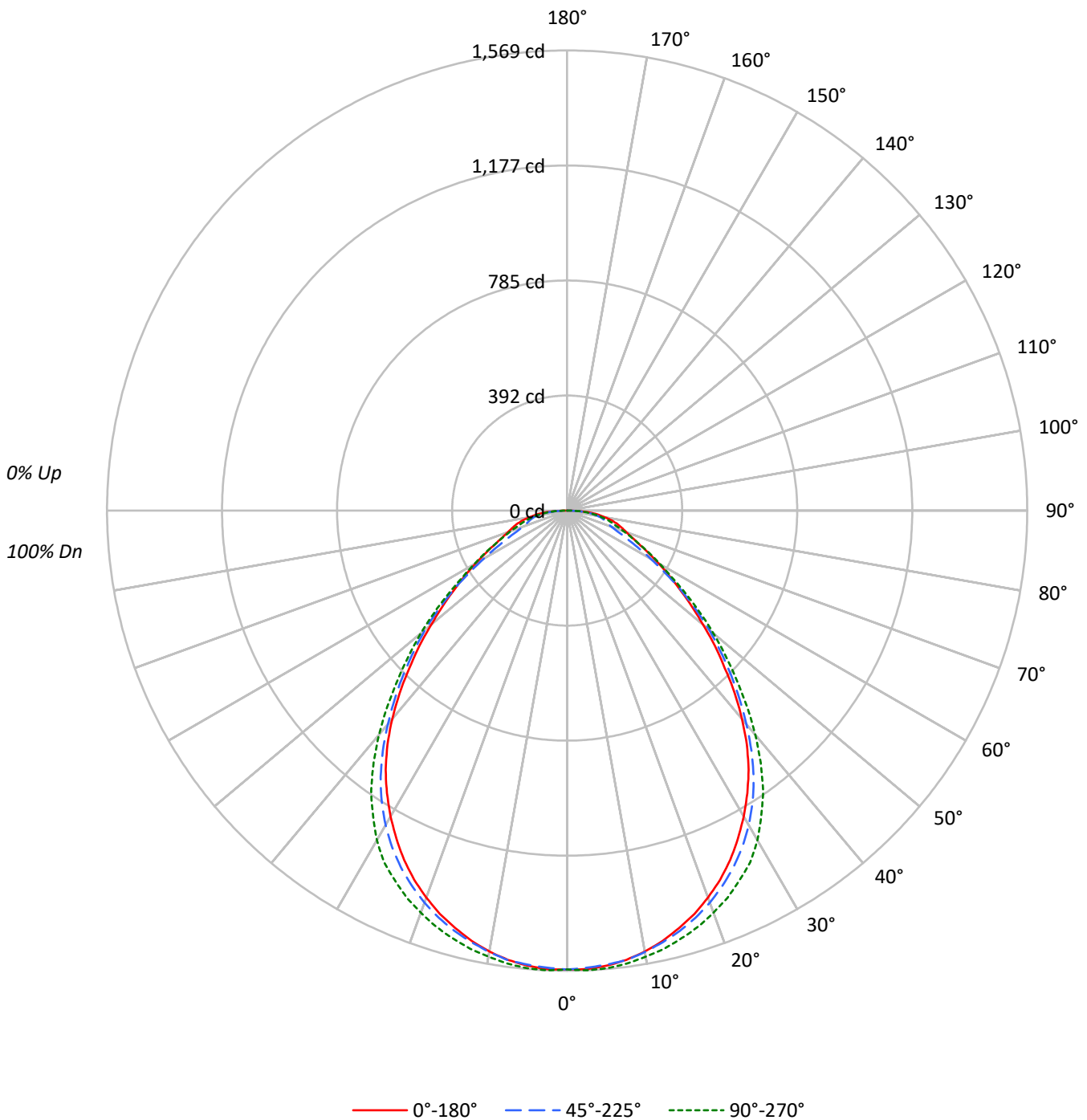
Input Watts (W): 35.061  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
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°	4211	4211	4211
5°	4208	4197	4232
10°	4172	4177	4220
15°	4106	4135	4205
20°	4021	4073	4178
25°	3904	3984	4130
30°	3741	3847	4031
35°	3544	3643	3828
40°	3259	3340	3507
45°	2895	3000	3109
50°	2529	2645	2724
55°	2198	2228	2310
60°	1934	1772	1972
65°	1719	1416	1729
70°	1688	1258	1594
75°	1843	1383	1629
80°	2024	1644	1742
85°	2421	1905	1954



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.9	4.4
10°-20°	419.4	12.4
20°-30°	619.2	18.2
30°-40°	692.9	20.4
40°-50°	608.4	17.9
50°-60°	430.5	12.7
60°-70°	250.6	7.4
70°-80°	156.2	4.6
80°-90°	69.9	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°	1186.5	34.9
0°-40°	1879.4	55.4
0°-60°	2918.4	86.0
0°-90°	3395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3395.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1565	1565	1565	1565	1565	
5°	1558	1554	1554	1562	1566	148
15°	1474	1477	1484	1500	1510	415
25°	1315	1320	1342	1373	1391	604
35°	1079	1084	1109	1142	1165	671
45°	761	769	788	807	817	588
55°	469	478	475	484	492	424
65°	270	249	222	242	272	274
75°	177	153	133	136	157	185
85°	78	82	62	60	63	80
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1564.9	1564.9	1564.9	1564.9	1564.9
2.5°	1564.9	1561.8	1560.2	1565.7	1568.9
5°	1557.8	1553.8	1553.8	1561.8	1566.5
7.5°	1545.1	1541.2	1545.9	1553.1	1557.8
10°	1526.9	1525.3	1528.5	1538.0	1544.3
12.5°	1503.2	1504.0	1507.1	1522.2	1530.1
15°	1473.9	1477.1	1484.2	1500.0	1509.5
17.5°	1442.2	1444.6	1455.7	1473.9	1487.4
20°	1404.2	1409.0	1422.4	1445.4	1458.9
22.5°	1362.3	1367.8	1384.4	1412.2	1428.8
25°	1314.8	1320.3	1341.7	1373.4	1390.8
27.5°	1261.0	1269.7	1293.4	1328.2	1352.0
30°	1204.0	1211.1	1238.0	1277.6	1297.4
32.5°	1143.0	1151.7	1177.1	1215.1	1232.5
35°	1078.9	1083.7	1109.0	1142.2	1165.2
37.5°	1006.1	1008.5	1032.2	1063.1	1083.7
40°	927.7	929.3	950.7	980.0	998.2
42.5°	846.2	847.0	869.9	892.1	907.9
45°	760.7	769.4	788.4	807.4	816.9
47.5°	683.9	690.2	707.7	724.3	733.0
50°	604.0	619.8	631.7	640.4	650.7
52.5°	535.1	548.6	551.7	562.0	570.7
55°	468.6	478.1	474.9	483.6	492.4
57.5°	412.4	407.7	397.4	412.4	423.5
60°	359.4	346.7	329.3	349.9	366.5
62.5°	311.9	291.3	269.9	290.5	318.2
65°	269.9	248.6	222.4	242.2	271.5
67.5°	238.3	216.1	185.2	205.0	234.3
70°	214.5	191.6	159.9	176.5	202.6
72.5°	195.5	171.0	143.3	154.4	176.5
75°	177.3	152.8	133.0	136.1	156.7
77.5°	155.9	137.7	121.9	120.3	136.1
80°	130.6	125.1	106.1	103.7	112.4
82.5°	107.7	105.3	87.1	84.7	87.9
85°	78.4	81.5	61.7	60.2	63.3
87.5°	41.2	45.1	32.5	34.0	34.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)