

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: P292489

Luminaire Tested: **22GR-LD5-32-A125-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P292489  
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-L92765-W2A1-U-6500K  
Description: GRLED 2x2 TUNABLE WHITE TROFFER  
WITH A125 LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3044.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 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

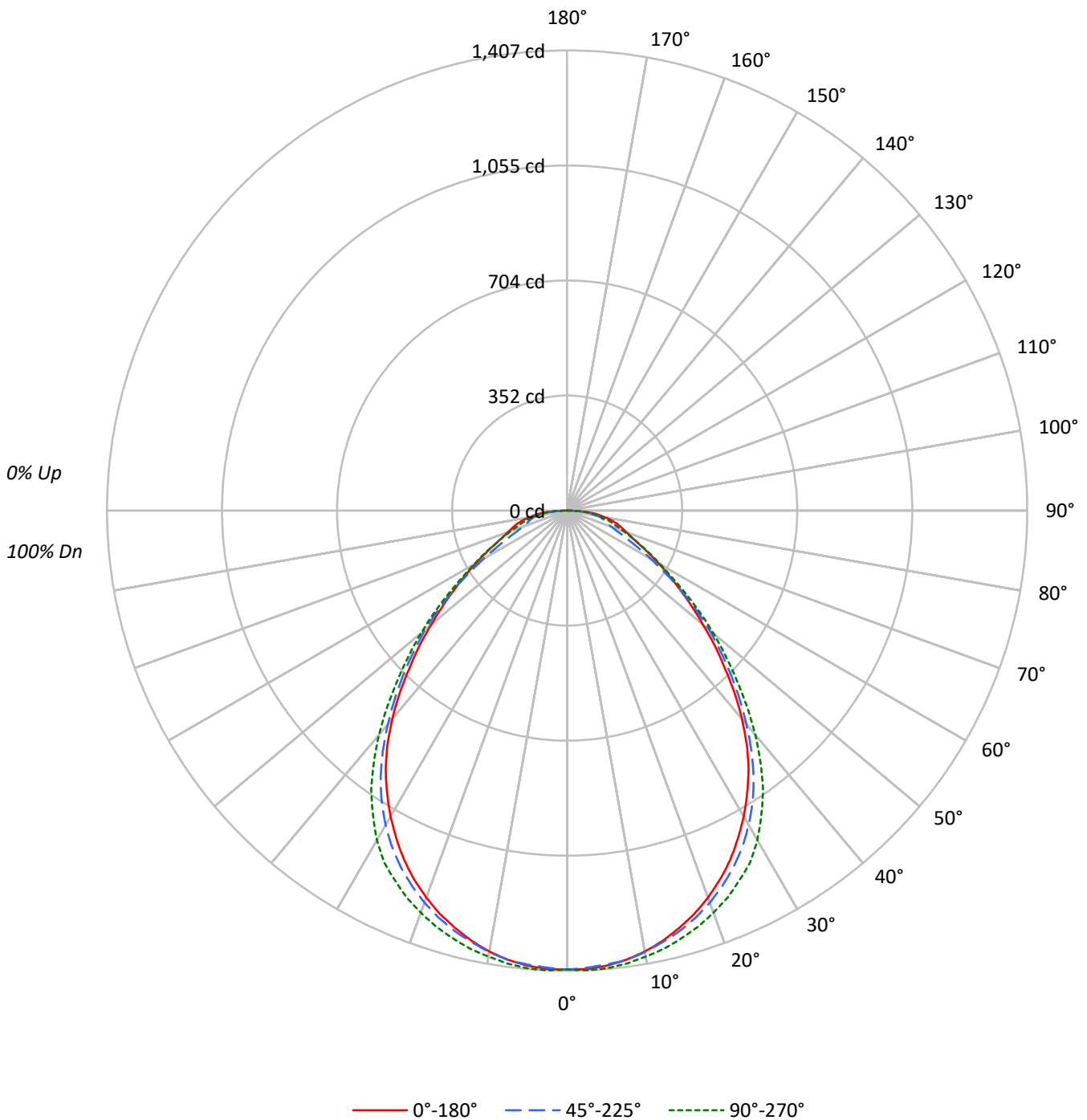
Input Watts (W): 25.668  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3776	3776	3776
5°	3773	3763	3794
10°	3741	3745	3784
15°	3682	3707	3771
20°	3606	3652	3746
25°	3500	3572	3703
30°	3354	3449	3614
35°	3178	3266	3432
40°	2922	2994	3144
45°	2595	2690	2787
50°	2267	2371	2442
55°	1971	1998	2071
60°	1734	1589	1769
65°	1541	1270	1550
70°	1513	1128	1430
75°	1653	1239	1461
80°	1815	1474	1562
85°	2171	1711	1754



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.6	4.4
10°-20°	376.1	12.4
20°-30°	555.2	18.2
30°-40°	621.2	20.4
40°-50°	545.5	17.9
50°-60°	386.0	12.7
60°-70°	224.7	7.4
70°-80°	140.0	4.6
80°-90°	62.7	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°	1063.8	34.9
0°-40°	1685.1	55.4
0°-60°	2616.6	86.0
0°-90°	3044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3044.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1403	1403	1403	1403	1403	
5°	1397	1393	1393	1400	1405	132
15°	1322	1324	1331	1345	1354	372
25°	1179	1184	1203	1231	1247	541
35°	967	972	994	1024	1045	602
45°	682	690	707	724	732	528
55°	420	429	426	434	442	380
65°	242	223	199	217	243	245
75°	159	137	119	122	140	166
85°	70	73	55	54	57	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1403.1	1403.1	1403.1	1403.1	1403.1
2.5°	1403.1	1400.3	1398.9	1403.8	1406.7
5°	1396.7	1393.2	1393.2	1400.3	1404.6
7.5°	1385.4	1381.8	1386.1	1392.5	1396.7
10°	1369.1	1367.6	1370.5	1379.0	1384.7
12.5°	1347.8	1348.5	1351.3	1364.8	1371.9
15°	1321.5	1324.4	1330.7	1344.9	1353.5
17.5°	1293.1	1295.3	1305.2	1321.5	1333.6
20°	1259.1	1263.3	1275.4	1296.0	1308.0
22.5°	1221.4	1226.4	1241.3	1266.2	1281.1
25°	1178.9	1183.8	1203.0	1231.4	1247.0
27.5°	1130.6	1138.4	1159.7	1190.9	1212.2
30°	1079.5	1085.9	1110.0	1145.5	1163.2
32.5°	1024.8	1032.7	1055.4	1089.4	1105.0
35°	967.4	971.6	994.3	1024.1	1044.7
37.5°	902.1	904.2	925.5	953.2	971.6
40°	831.8	833.2	852.4	878.6	895.0
42.5°	758.7	759.4	780.0	799.9	814.1
45°	682.0	689.9	706.9	723.9	732.4
47.5°	613.2	618.9	634.5	649.4	657.2
50°	541.5	555.7	566.4	574.2	583.4
52.5°	479.8	491.8	494.7	503.9	511.7
55°	420.2	428.7	425.8	433.6	441.5
57.5°	369.8	365.5	356.3	369.8	379.7
60°	322.2	310.9	295.2	313.7	328.6
62.5°	279.6	261.2	242.0	260.5	285.3
65°	242.0	222.9	199.4	217.2	243.4
67.5°	213.6	193.8	166.1	183.8	210.1
70°	192.3	171.8	143.4	158.3	181.7
72.5°	175.3	153.3	128.5	138.4	158.3
75°	159.0	137.0	119.2	122.1	140.5
77.5°	139.8	123.5	109.3	107.9	122.1
80°	117.1	112.1	95.1	93.0	100.8
82.5°	96.5	94.4	78.1	75.9	78.8
85°	70.3	73.1	55.4	53.9	56.8
87.5°	36.9	40.5	29.1	30.5	31.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)