

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: P292505

Luminaire Tested: **22GR-LD5-40-A125-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292505
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-LD5-40-A125-UNV-L92765-W2A1-U-5500K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3809.0 lumens
Efficiency: N/A
Efficacy: 114.4 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

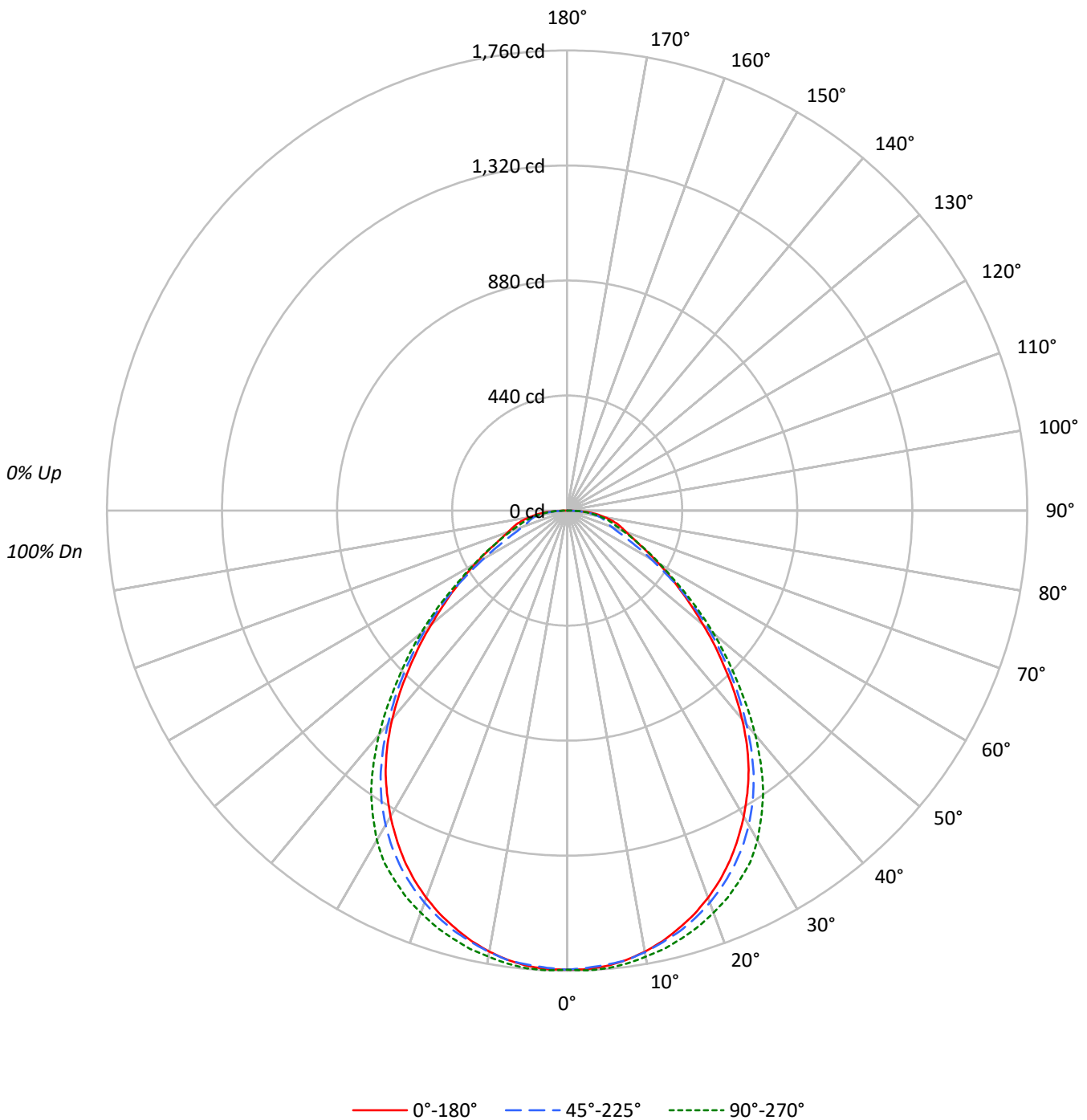
Input Watts (W): 33.294
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P292505

CATALOG NUMBER: 22GR-LD5-40-A125-UNV-L92765-W2A1-U-5500K

Luminous Intensity Polar Plot





TEST NUMBER: P292505

CATALOG NUMBER: 22GR-LD5-40-A125-UNV-L92765-W2A1-U-5500K

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°	4725	4725	4725
5°	4721	4709	4747
10°	4681	4686	4735
15°	4607	4639	4718
20°	4512	4570	4687
25°	4380	4469	4633
30°	4197	4316	4523
35°	3977	4087	4295
40°	3656	3747	3934
45°	3248	3366	3488
50°	2837	2967	3056
55°	2467	2500	2592
60°	2170	1988	2213
65°	1928	1589	1940
70°	1894	1412	1789
75°	2068	1551	1828
80°	2270	1844	1954
85°	2714	2140	2192



TEST NUMBER: P292505

CATALOG NUMBER: 22GR-LD5-40-A125-UNV-L92765-W2A1-U-5500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	4.4
10°-20°	470.6	12.4
20°-30°	694.7	18.2
30°-40°	777.4	20.4
40°-50°	682.6	17.9
50°-60°	483.0	12.7
60°-70°	281.1	7.4
70°-80°	175.2	4.6
80°-90°	78.4	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°	1331.2	34.9
0°-40°	2108.6	55.4
0°-60°	3274.2	86.0
0°-90°	3809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1756	1756	1756	1756	1756	
5°	1748	1743	1743	1752	1758	166
15°	1654	1657	1665	1683	1694	466
25°	1475	1481	1505	1541	1560	678
35°	1210	1216	1244	1282	1307	753
45°	854	863	884	906	916	660
55°	526	536	533	543	552	475
65°	303	279	250	272	305	307
75°	199	171	149	153	176	208
85°	88	92	69	68	71	89
90°	0	0	0	0	0	



TEST NUMBER: P292505

CATALOG NUMBER: 22GR-LD5-40-A125-UNV-L92765-W2A1-U-5500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1755.8	1755.8	1755.8	1755.8	1755.8
2.5°	1755.8	1752.2	1750.4	1756.6	1760.2
5°	1747.8	1743.3	1743.3	1752.2	1757.5
7.5°	1733.6	1729.1	1734.4	1742.4	1747.8
10°	1713.1	1711.4	1714.9	1725.6	1732.7
12.5°	1686.5	1687.4	1690.9	1707.8	1716.7
15°	1653.6	1657.2	1665.2	1682.9	1693.6
17.5°	1618.1	1620.8	1633.2	1653.6	1668.7
20°	1575.5	1580.8	1595.9	1621.7	1636.8
22.5°	1528.4	1534.6	1553.3	1584.4	1603.0
25°	1475.1	1481.3	1505.3	1540.8	1560.4
27.5°	1414.7	1424.5	1451.1	1490.2	1516.9
30°	1350.8	1358.8	1389.0	1433.4	1455.6
32.5°	1282.4	1292.2	1320.6	1363.2	1382.8
35°	1210.5	1215.8	1244.2	1281.5	1307.3
37.5°	1128.8	1131.4	1158.1	1192.7	1215.8
40°	1040.8	1042.6	1066.6	1099.5	1119.9
42.5°	949.4	950.3	976.0	1000.9	1018.6
45°	853.5	863.2	884.5	905.9	916.5
47.5°	767.3	774.4	794.0	812.6	822.4
50°	677.6	695.4	708.7	718.5	730.0
52.5°	600.4	615.4	619.0	630.5	640.3
55°	525.8	536.4	532.9	542.6	552.4
57.5°	462.7	457.4	445.8	462.7	475.1
60°	403.2	389.0	369.4	392.5	411.2
62.5°	349.9	326.8	302.8	325.9	357.0
65°	302.8	278.9	249.6	271.8	304.6
67.5°	267.3	242.4	207.8	230.0	262.9
70°	240.7	214.9	179.4	198.0	227.4
72.5°	219.4	191.8	160.7	173.2	198.0
75°	198.9	171.4	149.2	152.8	175.8
77.5°	175.0	154.5	136.8	135.0	152.8
80°	146.5	140.3	119.0	116.3	126.1
82.5°	120.8	118.1	97.7	95.0	98.6
85°	87.9	91.5	69.3	67.5	71.0
87.5°	46.2	50.6	36.4	38.2	39.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)