

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: P292491

Luminaire Tested: **22GR-LD5-36-A125-UNV-L92765-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292491
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-LD5-36-A125-UNV-L92765-W2A1-U-3000K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2934.0 lumens
Efficiency: N/A
Efficacy: 105.5 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

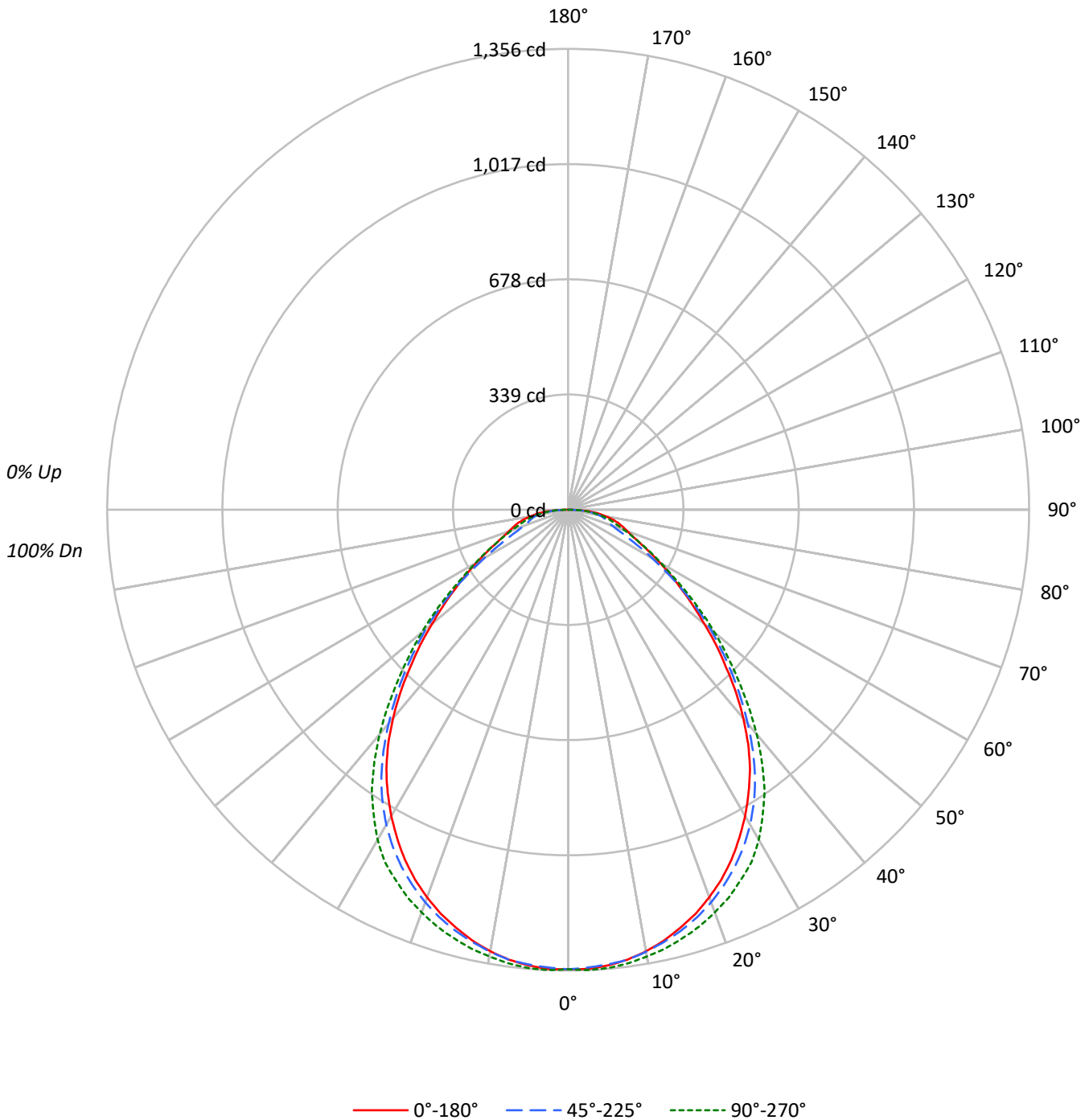
Input Watts (W): 27.807
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P292491

CATALOG NUMBER: 22GR-LD5-36-A125-UNV-L92765-W2A1-U-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P292491

CATALOG NUMBER: 22GR-LD5-36-A125-UNV-L92765-W2A1-U-3000K

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°	3639	3639	3639
5°	3637	3628	3657
10°	3606	3610	3647
15°	3549	3573	3634
20°	3475	3520	3611
25°	3374	3443	3569
30°	3233	3324	3484
35°	3063	3148	3308
40°	2816	2886	3030
45°	2502	2593	2687
50°	2185	2285	2354
55°	1900	1925	1996
60°	1672	1532	1704
65°	1486	1224	1494
70°	1459	1087	1378
75°	1593	1195	1408
80°	1750	1421	1505
85°	2090	1649	1689



TEST NUMBER: P292491

CATALOG NUMBER: 22GR-LD5-36-A125-UNV-L92765-W2A1-U-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	4.4
10°-20°	362.5	12.4
20°-30°	535.1	18.2
30°-40°	598.8	20.4
40°-50°	525.8	17.9
50°-60°	372.1	12.7
60°-70°	216.6	7.4
70°-80°	135.0	4.6
80°-90°	60.4	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°	1025.4	34.9
0°-40°	1624.2	55.4
0°-60°	2522.1	86.0
0°-90°	2934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1352	1352	1352	1352	1352	
5°	1346	1343	1343	1350	1354	128
15°	1274	1276	1283	1296	1304	359
25°	1136	1141	1160	1187	1202	522
35°	932	936	958	987	1007	580
45°	657	665	681	698	706	508
55°	405	413	410	418	426	366
65°	233	215	192	209	235	237
75°	153	132	115	118	135	160
85°	68	70	53	52	55	69
90°	0	0	0	0	0	



TEST NUMBER: P292491

CATALOG NUMBER: 22GR-LD5-36-A125-UNV-L92765-W2A1-U-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1352.4	1352.4	1352.4	1352.4	1352.4
2.5°	1352.4	1349.7	1348.3	1353.1	1355.8
5°	1346.3	1342.9	1342.9	1349.7	1353.8
7.5°	1335.3	1331.9	1336.0	1342.2	1346.3
10°	1319.6	1318.2	1321.0	1329.2	1334.6
12.5°	1299.1	1299.8	1302.5	1315.5	1322.3
15°	1273.8	1276.5	1282.7	1296.3	1304.5
17.5°	1246.4	1248.4	1258.0	1273.8	1285.4
20°	1213.6	1217.7	1229.3	1249.1	1260.8
22.5°	1177.3	1182.1	1196.5	1220.4	1234.8
25°	1136.3	1141.0	1159.5	1186.9	1201.9
27.5°	1089.7	1097.3	1117.8	1147.9	1168.4
30°	1040.5	1046.6	1069.9	1104.1	1121.2
32.5°	987.8	995.3	1017.2	1050.1	1065.1
35°	932.4	936.5	958.4	987.1	1007.0
37.5°	869.5	871.5	892.0	918.7	936.5
40°	801.7	803.1	821.6	846.9	862.6
42.5°	731.3	732.0	751.8	771.0	784.6
45°	657.4	664.9	681.3	697.8	706.0
47.5°	591.0	596.5	611.6	625.9	633.5
50°	522.0	535.6	545.9	553.4	562.3
52.5°	462.4	474.1	476.8	485.7	493.2
55°	405.0	413.2	410.4	418.0	425.5
57.5°	356.4	352.3	343.4	356.4	366.0
60°	310.6	299.6	284.6	302.4	316.7
62.5°	269.5	251.7	233.3	251.1	275.0
65°	233.3	214.8	192.2	209.3	234.6
67.5°	205.9	186.8	160.1	177.2	202.5
70°	185.4	165.5	138.2	152.6	175.1
72.5°	169.0	147.8	123.8	133.4	152.6
75°	153.2	132.0	114.9	117.7	135.4
77.5°	134.8	119.0	105.3	104.0	117.7
80°	112.9	108.1	91.7	89.6	97.1
82.5°	93.0	91.0	75.2	73.2	75.9
85°	67.7	70.5	53.4	52.0	54.7
87.5°	35.6	39.0	28.0	29.4	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)