

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: P292089

Luminaire Tested: **22GR-LD5-32-F125-UNV-L92765-W2A1-U-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33295)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22GR-LD5-32-F125-UNV-L92765-W2A1-U-2700K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH F125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2526.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.19 / 1.24
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

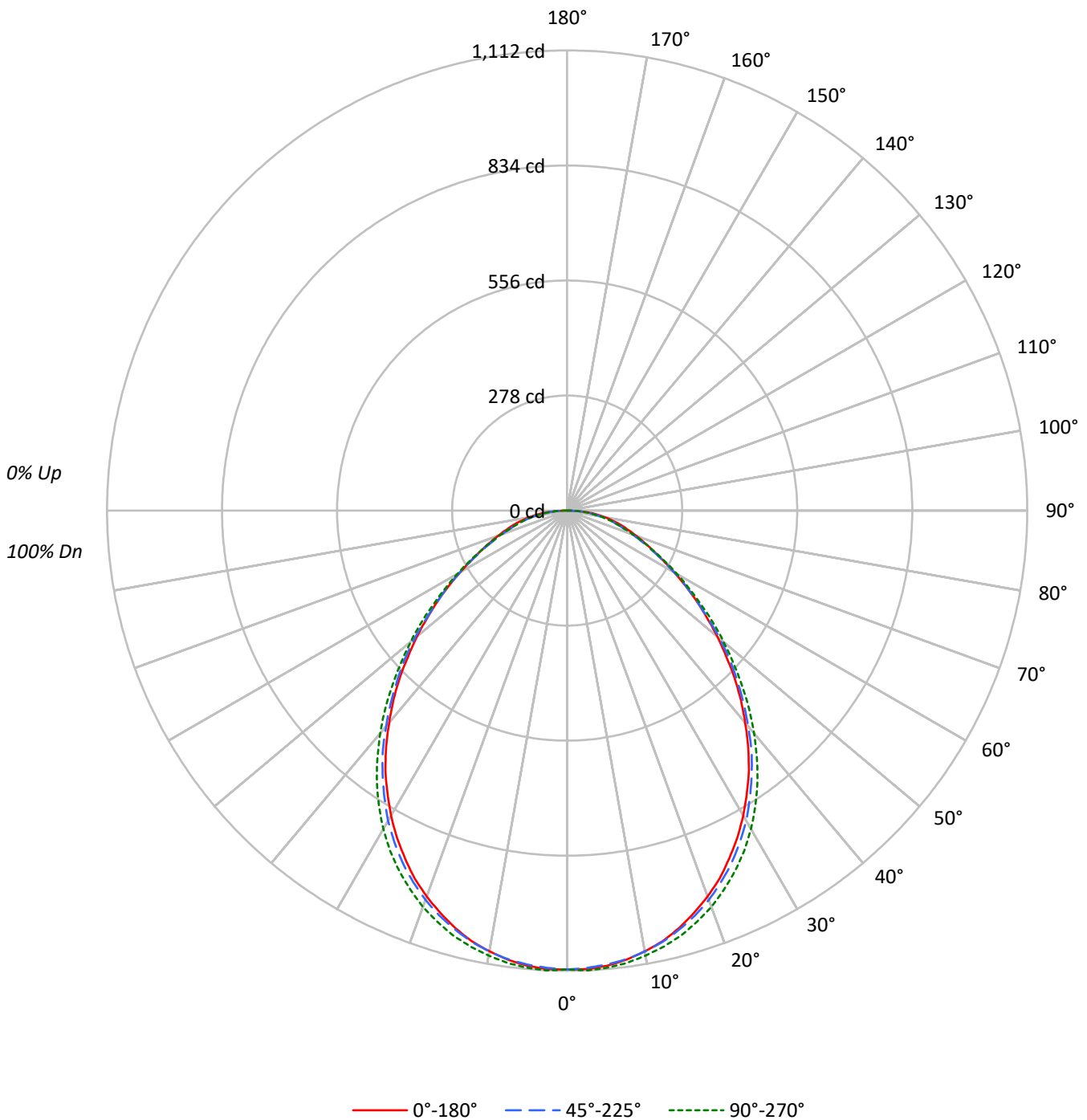
Input Watts (W): 24.459
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P292089

CATALOG NUMBER: 22GR-LD5-32-F125-UNV-L92765-W2A1-U-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P292089

CATALOG NUMBER: 22GR-LD5-32-F125-UNV-L92765-W2A1-U-2700K

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	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	45	54	49	44	42
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2984	2984	2984
5°	2983	2975	2995
10°	2955	2957	2984
15°	2910	2920	2962
20°	2842	2867	2919
25°	2753	2791	2852
30°	2644	2690	2761
35°	2515	2555	2634
40°	2351	2390	2468
45°	2177	2210	2275
50°	1983	2015	2066
55°	1790	1795	1848
60°	1605	1612	1650
65°	1463	1433	1466
70°	1393	1314	1338
75°	1402	1267	1274
80°	1454	1280	1272
85°	1593	1359	1284



TEST NUMBER: P292089

CATALOG NUMBER: 22GR-LD5-32-F125-UNV-L92765-W2A1-U-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	4.1
10°-20°	296.0	11.7
20°-30°	433.2	17.1
30°-40°	487.0	19.3
40°-50°	449.1	17.8
50°-60°	346.2	13.7
60°-70°	228.4	9.0
70°-80°	132.9	5.3
80°-90°	48.4	1.9
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°	833.9	33.0
0°-40°	1320.9	52.3
0°-60°	2116.2	83.8
0°-90°	2526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2526.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1109	1109	1109	1109	1109	
5°	1104	1102	1101	1107	1109	105
15°	1044	1044	1048	1057	1063	294
25°	927	932	940	953	961	426
35°	766	769	778	794	802	477
45°	572	573	581	593	598	440
55°	382	381	383	389	394	342
65°	230	229	225	227	230	230
75°	135	129	122	120	122	142
85°	52	51	44	40	42	55
90°	0	0	0	0	0	



TEST NUMBER: P292089

CATALOG NUMBER: 22GR-LD5-32-F125-UNV-L92765-W2A1-U-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1108.9	1108.9	1108.9	1108.9	1108.9
2.5°	1108.9	1106.6	1106.0	1110.1	1112.4
5°	1104.2	1101.9	1101.3	1106.6	1108.9
7.5°	1094.9	1093.1	1093.7	1099.5	1102.5
10°	1081.4	1080.8	1082.0	1088.4	1091.9
12.5°	1065.6	1065.0	1067.3	1074.3	1079.0
15°	1044.5	1044.5	1048.0	1057.3	1063.2
17.5°	1019.2	1021.0	1026.3	1035.7	1042.1
20°	992.3	994.0	1001.1	1011.6	1019.2
22.5°	962.4	964.7	971.8	984.7	991.1
25°	927.2	931.9	940.1	953.0	960.6
27.5°	890.9	896.2	903.8	919.6	926.6
30°	851.0	854.6	865.7	880.3	888.5
32.5°	808.8	812.4	821.7	839.3	846.3
35°	765.5	769.0	777.8	793.6	801.8
37.5°	718.6	721.5	732.1	744.4	753.2
40°	669.3	673.4	680.5	695.1	702.7
42.5°	621.3	623.0	630.7	645.3	651.2
45°	572.0	572.6	580.8	592.6	597.8
47.5°	521.1	522.2	532.2	539.2	544.5
50°	473.6	474.2	481.2	487.6	493.5
52.5°	426.1	426.1	429.6	436.7	444.3
55°	381.6	381.0	382.7	389.2	393.9
57.5°	339.4	338.8	341.1	345.2	348.7
60°	298.3	297.2	299.5	301.8	306.5
62.5°	262.0	263.2	260.2	263.8	267.3
65°	229.8	228.6	225.1	226.8	230.3
67.5°	202.2	200.5	194.6	195.8	199.9
70°	177.0	173.5	167.0	167.0	170.0
72.5°	154.1	150.6	142.4	143.0	144.2
75°	134.8	128.9	121.9	119.6	122.5
77.5°	113.7	109.0	102.6	100.8	102.0
80°	93.8	90.3	82.6	80.3	82.1
82.5°	74.4	71.5	62.7	61.0	61.5
85°	51.6	51.0	44.0	40.4	41.6
87.5°	27.5	28.1	22.9	20.5	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)