

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: P292094

Luminaire Tested: **22GR-LD5-32-F125-UNV-L92765-W2A1-U-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292094
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-5000K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH F125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2979.0 lumens
Efficiency: N/A
Efficacy: 118.6 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

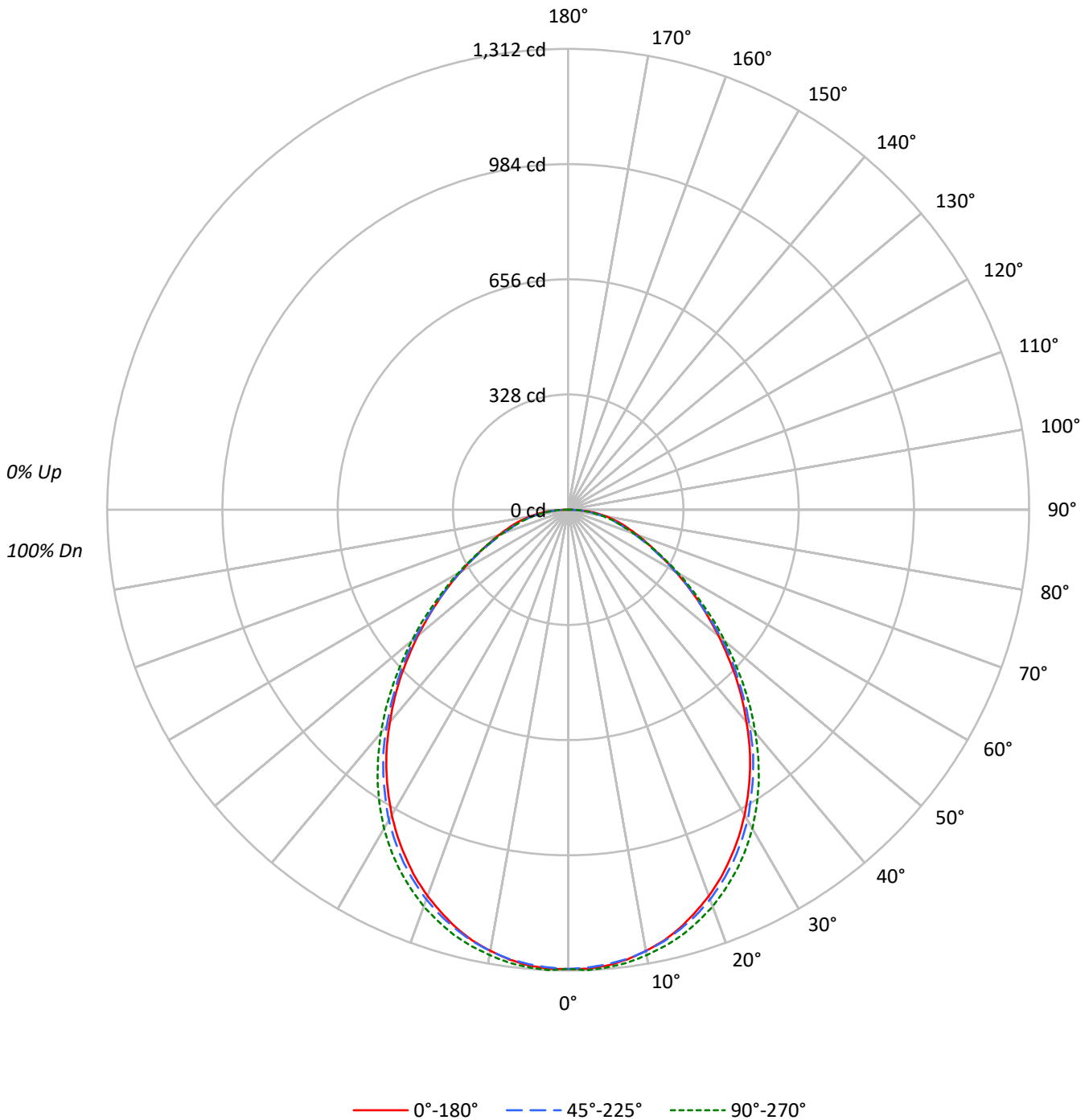
Input Watts (W): 25.11
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3519	3519	3519
5°	3518	3508	3533
10°	3485	3487	3519
15°	3432	3443	3493
20°	3351	3381	3442
25°	3247	3292	3364
30°	3119	3172	3256
35°	2965	3013	3106
40°	2773	2819	2911
45°	2567	2607	2683
50°	2338	2376	2436
55°	2111	2118	2179
60°	1893	1901	1946
65°	1726	1690	1730
70°	1642	1550	1578
75°	1653	1495	1502
80°	1714	1511	1500
85°	1877	1599	1516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	4.1
10°-20°	349.0	11.7
20°-30°	510.8	17.1
30°-40°	574.4	19.3
40°-50°	529.7	17.8
50°-60°	408.2	13.7
60°-70°	269.4	9.0
70°-80°	156.8	5.3
80°-90°	57.1	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°	983.4	33.0
0°-40°	1557.8	52.3
0°-60°	2495.7	83.8
0°-90°	2979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1302	1300	1299	1305	1308	123
15°	1232	1232	1236	1247	1254	347
25°	1094	1099	1109	1124	1133	503
35°	903	907	917	936	946	563
45°	675	675	685	699	705	519
55°	450	449	451	459	464	404
65°	271	270	265	268	272	272
75°	159	152	144	141	144	167
85°	61	60	52	48	49	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1307.8	1307.8	1307.8	1307.8	1307.8
2.5°	1307.8	1305.0	1304.3	1309.2	1311.9
5°	1302.3	1299.5	1298.8	1305.0	1307.8
7.5°	1291.2	1289.1	1289.8	1296.7	1300.2
10°	1275.3	1274.6	1276.0	1283.6	1287.7
12.5°	1256.6	1256.0	1258.7	1267.0	1272.5
15°	1231.8	1231.8	1235.9	1247.0	1253.9
17.5°	1202.0	1204.1	1210.3	1221.4	1229.0
20°	1170.2	1172.3	1180.6	1193.1	1202.0
22.5°	1135.0	1137.8	1146.0	1161.3	1168.9
25°	1093.5	1099.0	1108.7	1123.9	1132.9
27.5°	1050.7	1056.9	1065.9	1084.5	1092.8
30°	1003.7	1007.8	1020.9	1038.2	1047.9
32.5°	953.9	958.0	969.1	989.8	998.1
35°	902.7	906.9	917.3	935.9	945.6
37.5°	847.4	850.9	863.3	877.9	888.2
40°	789.4	794.2	802.5	819.8	828.8
42.5°	732.7	734.8	743.8	761.0	767.9
45°	674.6	675.3	685.0	698.8	705.0
47.5°	614.5	615.9	627.6	635.9	642.1
50°	558.5	559.2	567.5	575.1	582.0
52.5°	502.5	502.5	506.7	515.0	523.9
55°	450.0	449.3	451.4	459.0	464.5
57.5°	400.2	399.5	402.3	407.1	411.3
60°	351.8	350.4	353.2	356.0	361.5
62.5°	309.0	310.4	306.9	311.1	315.2
65°	271.0	269.6	265.4	267.5	271.7
67.5°	238.5	236.4	229.5	230.9	235.7
70°	208.7	204.6	197.0	197.0	200.5
72.5°	181.8	177.6	168.0	168.7	170.0
75°	159.0	152.1	143.8	141.0	144.5
77.5°	134.1	128.6	121.0	118.9	120.3
80°	110.6	106.4	97.5	94.7	96.8
82.5°	87.8	84.3	74.0	71.9	72.6
85°	60.8	60.1	51.8	47.7	49.1
87.5°	32.5	33.2	27.0	24.2	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)