

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: P292486

Luminaire Tested: **22GR-LD5-32-A125-UNV-L92765-W2A1-U-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292486
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-5000K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2965.0 lumens
Efficiency: N/A
Efficacy: 118.1 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

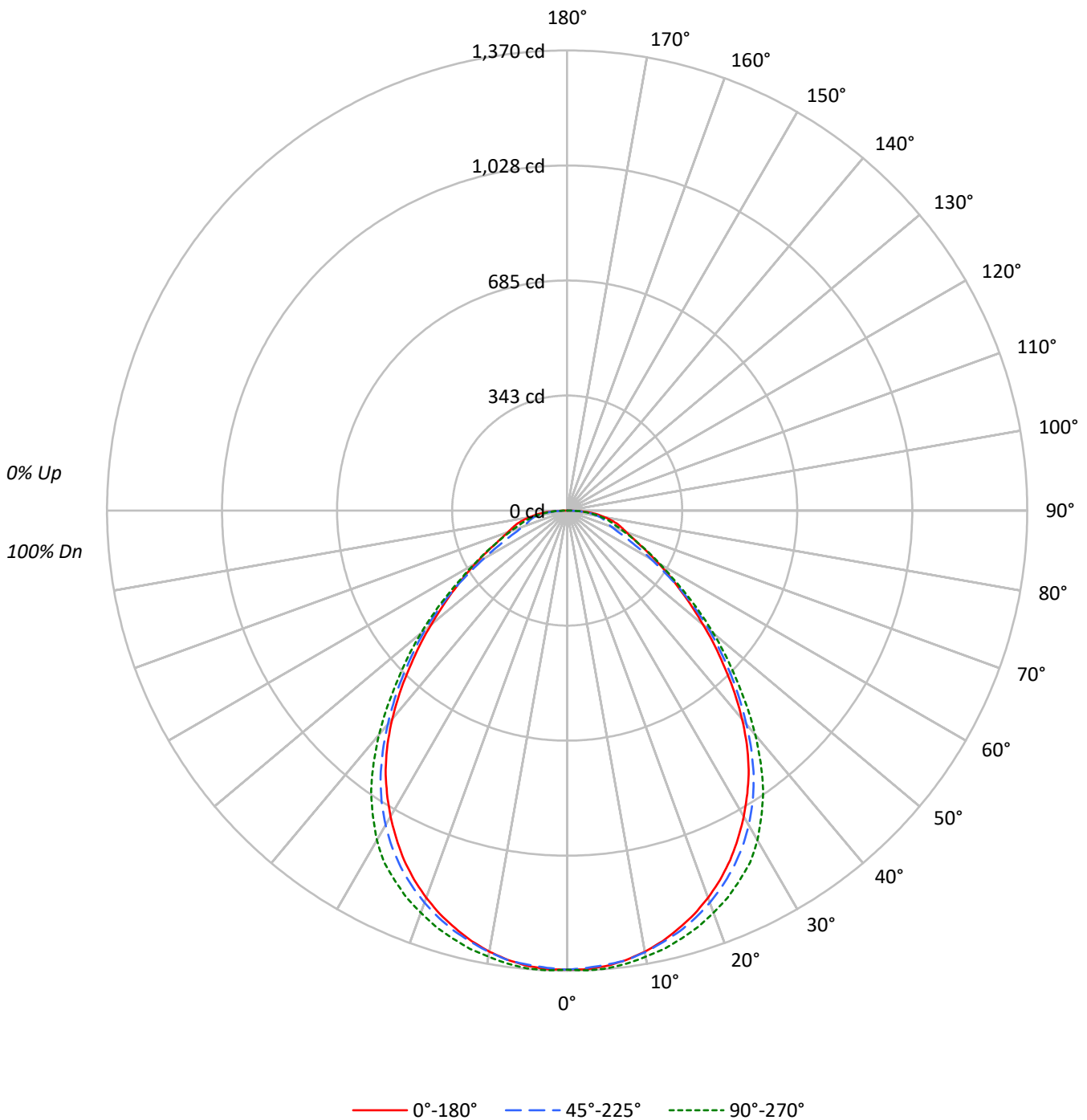
Input Watts (W): 25.11
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3678	3678	3678
5°	3675	3666	3696
10°	3644	3648	3685
15°	3586	3611	3673
20°	3512	3558	3649
25°	3409	3479	3606
30°	3267	3360	3521
35°	3096	3182	3343
40°	2846	2917	3062
45°	2528	2620	2715
50°	2208	2310	2379
55°	1920	1946	2017
60°	1689	1548	1723
65°	1501	1237	1510
70°	1474	1098	1393
75°	1611	1207	1423
80°	1768	1435	1522
85°	2112	1664	1707



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	4.4
10°-20°	366.3	12.4
20°-30°	540.8	18.2
30°-40°	605.1	20.4
40°-50°	531.4	17.9
50°-60°	376.0	12.7
60°-70°	218.9	7.4
70°-80°	136.4	4.6
80°-90°	61.0	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°	1036.2	34.9
0°-40°	1641.4	55.4
0°-60°	2548.7	86.0
0°-90°	2965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2965.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1367	1367	1367	1367	1367	
5°	1360	1357	1357	1364	1368	129
15°	1287	1290	1296	1310	1318	363
25°	1148	1153	1172	1199	1215	527
35°	942	946	968	998	1018	586
45°	664	672	688	705	713	514
55°	409	418	415	422	430	370
65°	236	217	194	212	237	239
75°	155	133	116	119	137	162
85°	68	71	54	52	55	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1366.7	1366.7	1366.7	1366.7	1366.7
2.5°	1366.7	1364.0	1362.6	1367.4	1370.2
5°	1360.5	1357.0	1357.0	1364.0	1368.1
7.5°	1349.4	1346.0	1350.1	1356.3	1360.5
10°	1333.5	1332.2	1334.9	1343.2	1348.7
12.5°	1312.8	1313.5	1316.3	1329.4	1336.3
15°	1287.2	1290.0	1296.2	1310.0	1318.3
17.5°	1259.6	1261.6	1271.3	1287.2	1299.0
20°	1226.4	1230.5	1242.3	1262.3	1274.1
22.5°	1189.7	1194.6	1209.1	1233.3	1247.8
25°	1148.3	1153.1	1171.8	1199.4	1214.6
27.5°	1101.3	1108.9	1129.6	1160.0	1180.8
30°	1051.5	1057.7	1081.2	1115.8	1133.1
32.5°	998.3	1005.9	1028.0	1061.2	1076.4
35°	942.3	946.4	968.5	997.6	1017.6
37.5°	878.7	880.7	901.5	928.4	946.4
40°	810.2	811.6	830.3	855.8	871.7
42.5°	739.0	739.7	759.7	779.1	792.9
45°	664.3	672.0	688.5	705.1	713.4
47.5°	597.3	602.8	618.0	632.5	640.2
50°	527.5	541.3	551.7	559.3	568.3
52.5°	467.3	479.1	481.8	490.8	498.4
55°	409.3	417.6	414.8	422.4	430.0
57.5°	360.2	356.0	347.0	360.2	369.9
60°	313.9	302.8	287.6	305.6	320.1
62.5°	272.4	254.4	235.7	253.7	277.9
65°	235.7	217.1	194.3	211.5	237.1
67.5°	208.1	188.7	161.8	179.0	204.6
70°	187.3	167.3	139.6	154.2	177.0
72.5°	170.8	149.3	125.1	134.8	154.2
75°	154.9	133.4	116.1	118.9	136.9
77.5°	136.2	120.3	106.5	105.1	118.9
80°	114.1	109.2	92.6	90.6	98.2
82.5°	94.0	91.9	76.0	74.0	76.7
85°	68.4	71.2	53.9	52.5	55.3
87.5°	35.9	39.4	28.3	29.7	30.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)