

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: P292480

Luminaire Tested: **22GR-LD5-28-A125-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292480
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-LD5-28-A125-UNV-L92765-W2A1-U-6500K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2756.0 lumens
Efficiency: N/A
Efficacy: 119.5 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

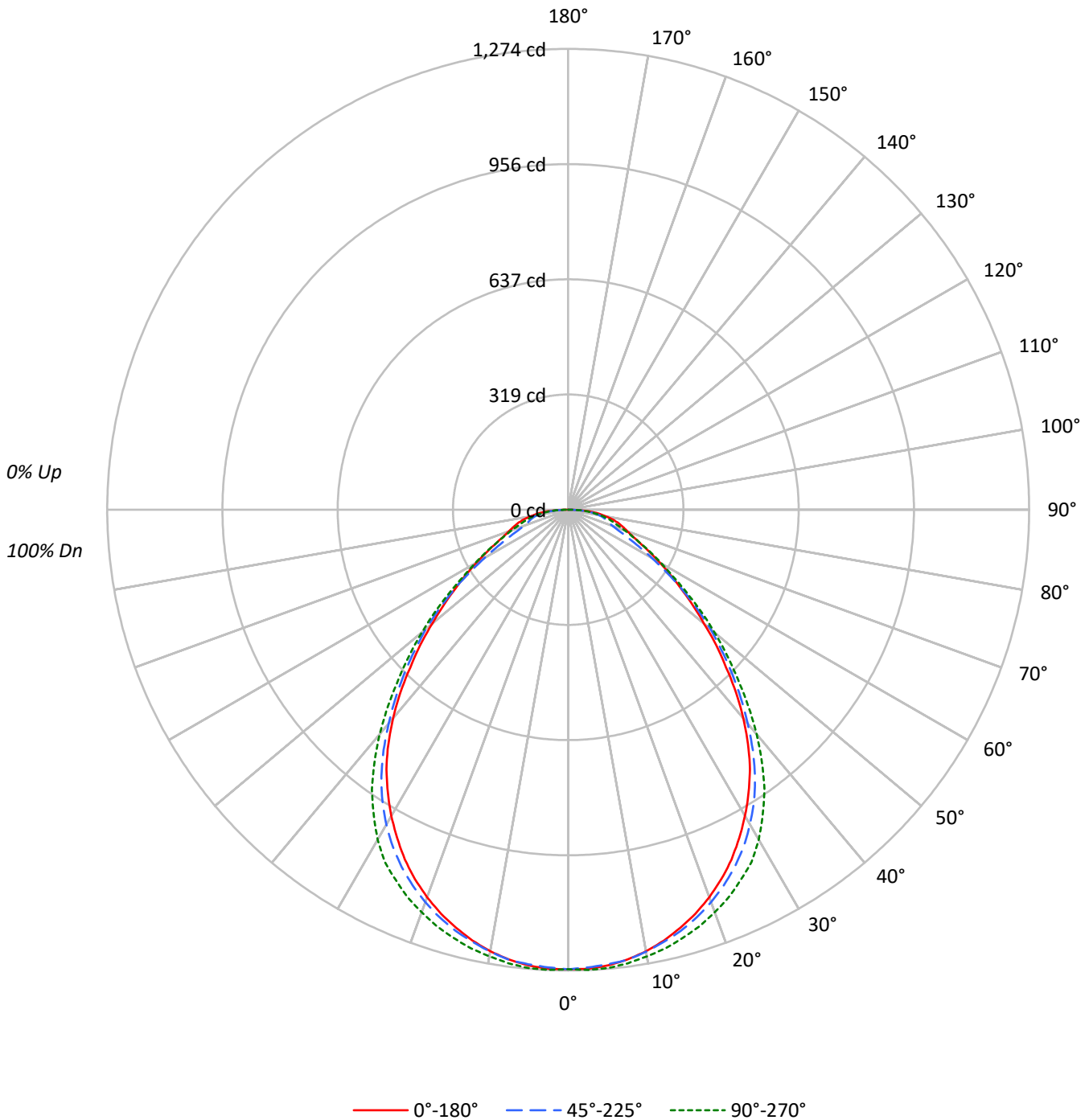
Input Watts (W): 23.064
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3419	3419	3419
5°	3416	3407	3435
10°	3387	3390	3426
15°	3333	3356	3414
20°	3264	3307	3391
25°	3169	3234	3352
30°	3037	3123	3273
35°	2877	2958	3107
40°	2646	2711	2846
45°	2350	2436	2524
50°	2053	2147	2211
55°	1785	1809	1875
60°	1570	1439	1601
65°	1395	1150	1403
70°	1370	1021	1294
75°	1496	1123	1323
80°	1643	1334	1413
85°	1964	1547	1587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	4.4
10°-20°	340.5	12.4
20°-30°	502.6	18.2
30°-40°	562.5	20.4
40°-50°	493.9	17.9
50°-60°	349.5	12.7
60°-70°	203.4	7.4
70°-80°	126.8	4.6
80°-90°	56.7	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°	963.2	34.9
0°-40°	1525.6	55.4
0°-60°	2369.1	86.0
0°-90°	2756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2756.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1270	1270	1270	1270	1270	
5°	1265	1261	1261	1268	1272	120
15°	1196	1199	1205	1218	1225	337
25°	1067	1072	1089	1115	1129	490
35°	876	880	900	927	946	545
45°	618	625	640	655	663	478
55°	380	388	386	393	400	344
65°	219	202	181	197	220	222
75°	144	124	108	110	127	150
85°	64	66	50	49	51	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1270.4	1270.4	1270.4	1270.4	1270.4
2.5°	1270.4	1267.8	1266.5	1271.0	1273.6
5°	1264.6	1261.4	1261.4	1267.8	1271.7
7.5°	1254.3	1251.1	1255.0	1260.7	1264.6
10°	1239.5	1238.3	1240.8	1248.5	1253.7
12.5°	1220.3	1220.9	1223.5	1235.7	1242.1
15°	1196.5	1199.1	1204.8	1217.7	1225.4
17.5°	1170.8	1172.7	1181.7	1196.5	1207.4
20°	1139.9	1143.8	1154.7	1173.3	1184.3
22.5°	1105.9	1110.4	1123.9	1146.4	1159.9
25°	1067.3	1071.8	1089.2	1114.9	1129.0
27.5°	1023.6	1030.7	1050.0	1078.2	1097.5
30°	977.4	983.1	1005.0	1037.1	1053.2
32.5°	927.9	935.0	955.5	986.4	1000.5
35°	875.8	879.7	900.3	927.2	945.9
37.5°	816.7	818.6	837.9	863.0	879.7
40°	753.1	754.4	771.7	795.5	810.3
42.5°	686.9	687.6	706.2	724.2	737.0
45°	617.5	624.6	640.0	655.4	663.1
47.5°	555.2	560.3	574.5	588.0	595.0
50°	490.3	503.1	512.8	519.8	528.2
52.5°	434.4	445.3	447.9	456.2	463.3
55°	380.4	388.1	385.5	392.6	399.7
57.5°	334.8	330.9	322.6	334.8	343.8
60°	291.7	281.4	267.3	284.0	297.5
62.5°	253.2	236.5	219.1	235.8	258.3
65°	219.1	201.8	180.6	196.6	220.4
67.5°	193.4	175.4	150.4	166.4	190.2
70°	174.1	155.5	129.8	143.3	164.5
72.5°	158.7	138.8	116.3	125.3	143.3
75°	143.9	124.0	108.0	110.5	127.2
77.5°	126.6	111.8	99.0	97.7	110.5
80°	106.0	101.5	86.1	84.2	91.2
82.5°	87.4	85.5	70.7	68.8	71.3
85°	63.6	66.2	50.1	48.8	51.4
87.5°	33.4	36.6	26.3	27.6	28.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)