

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: P292068

Luminaire Tested: **22GR-LD5-20-F125-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292068
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-LD5-20-F125-UNV-L92765-W2A1-U-5500K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH F125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1951.0 lumens
Efficiency: N/A
Efficacy: 122.7 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

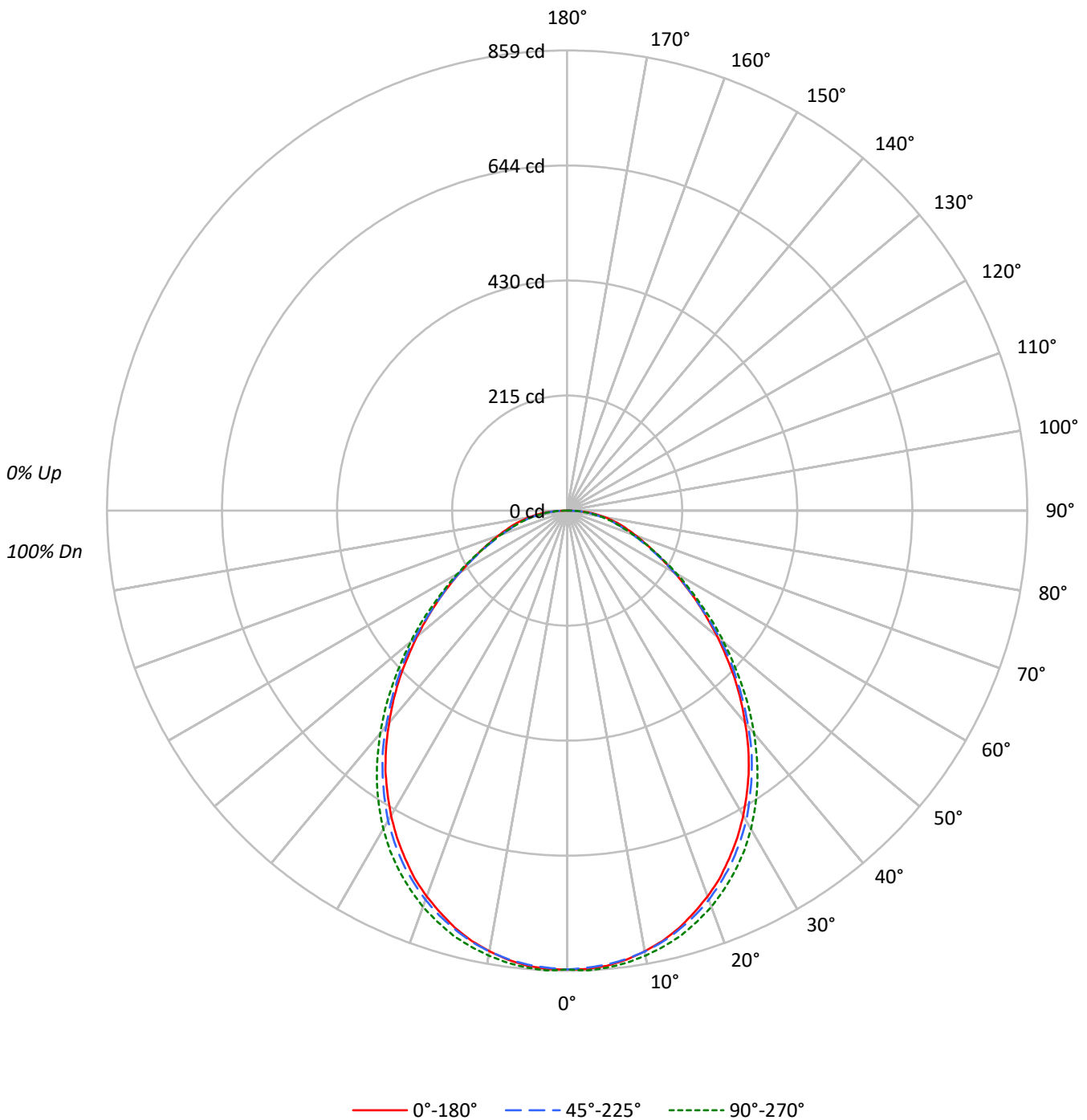
Input Watts (W): 15.903
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2305	2305	2305
5°	2304	2298	2314
10°	2282	2284	2305
15°	2247	2255	2288
20°	2195	2214	2254
25°	2127	2156	2203
30°	2042	2078	2133
35°	1942	1973	2034
40°	1816	1846	1907
45°	1681	1707	1757
50°	1531	1556	1596
55°	1383	1387	1427
60°	1240	1245	1274
65°	1130	1107	1133
70°	1076	1015	1033
75°	1082	979	984
80°	1122	989	982
85°	1229	1050	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	4.1
10°-20°	228.6	11.7
20°-30°	334.6	17.1
30°-40°	376.2	19.3
40°-50°	346.9	17.8
50°-60°	267.4	13.7
60°-70°	176.4	9.0
70°-80°	102.7	5.3
80°-90°	37.4	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°	644.1	33.0
0°-40°	1020.2	52.3
0°-60°	1634.5	83.8
0°-90°	1951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	853	851	851	855	856	81
15°	807	807	809	817	821	227
25°	716	720	726	736	742	329
35°	591	594	601	613	619	369
45°	442	442	449	458	462	340
55°	295	294	296	301	304	264
65°	178	177	174	175	178	178
75°	104	100	94	92	95	110
85°	40	39	34	31	32	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	856.5	856.5	856.5	856.5	856.5
2.5°	856.5	854.7	854.2	857.4	859.2
5°	852.9	851.1	850.6	854.7	856.5
7.5°	845.6	844.3	844.7	849.3	851.5
10°	835.2	834.8	835.7	840.7	843.4
12.5°	823.0	822.5	824.4	829.8	833.4
15°	806.7	806.7	809.4	816.7	821.2
17.5°	787.2	788.6	792.7	799.9	804.9
20°	766.4	767.8	773.2	781.3	787.2
22.5°	743.3	745.1	750.6	760.5	765.5
25°	716.2	719.8	726.1	736.1	742.0
27.5°	688.1	692.2	698.1	710.3	715.7
30°	657.3	660.0	668.6	679.9	686.3
32.5°	624.7	627.4	634.7	648.3	653.7
35°	591.2	593.9	600.7	612.9	619.3
37.5°	555.0	557.3	565.4	574.9	581.7
40°	517.0	520.1	525.6	536.9	542.8
42.5°	479.9	481.2	487.1	498.4	502.9
45°	441.8	442.3	448.6	457.7	461.7
47.5°	402.4	403.4	411.0	416.5	420.6
50°	365.8	366.2	371.7	376.6	381.2
52.5°	329.1	329.1	331.8	337.3	343.1
55°	294.7	294.3	295.6	300.6	304.2
57.5°	262.1	261.7	263.5	266.6	269.4
60°	230.4	229.5	231.3	233.1	236.8
62.5°	202.4	203.3	201.0	203.7	206.4
65°	177.5	176.6	173.8	175.2	177.9
67.5°	156.2	154.8	150.3	151.2	154.4
70°	136.7	134.0	129.0	129.0	131.3
72.5°	119.1	116.3	110.0	110.5	111.4
75°	104.1	99.6	94.2	92.3	94.6
77.5°	87.8	84.2	79.2	77.9	78.8
80°	72.4	69.7	63.8	62.0	63.4
82.5°	57.5	55.2	48.4	47.1	47.5
85°	39.8	39.4	34.0	31.2	32.1
87.5°	21.3	21.7	17.7	15.8	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)