

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: P292077

Luminaire Tested: **22GR-LD5-24-F125-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292077
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-LD5-24-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: 2290.0 lumens
Efficiency: N/A
Efficacy: 123.1 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

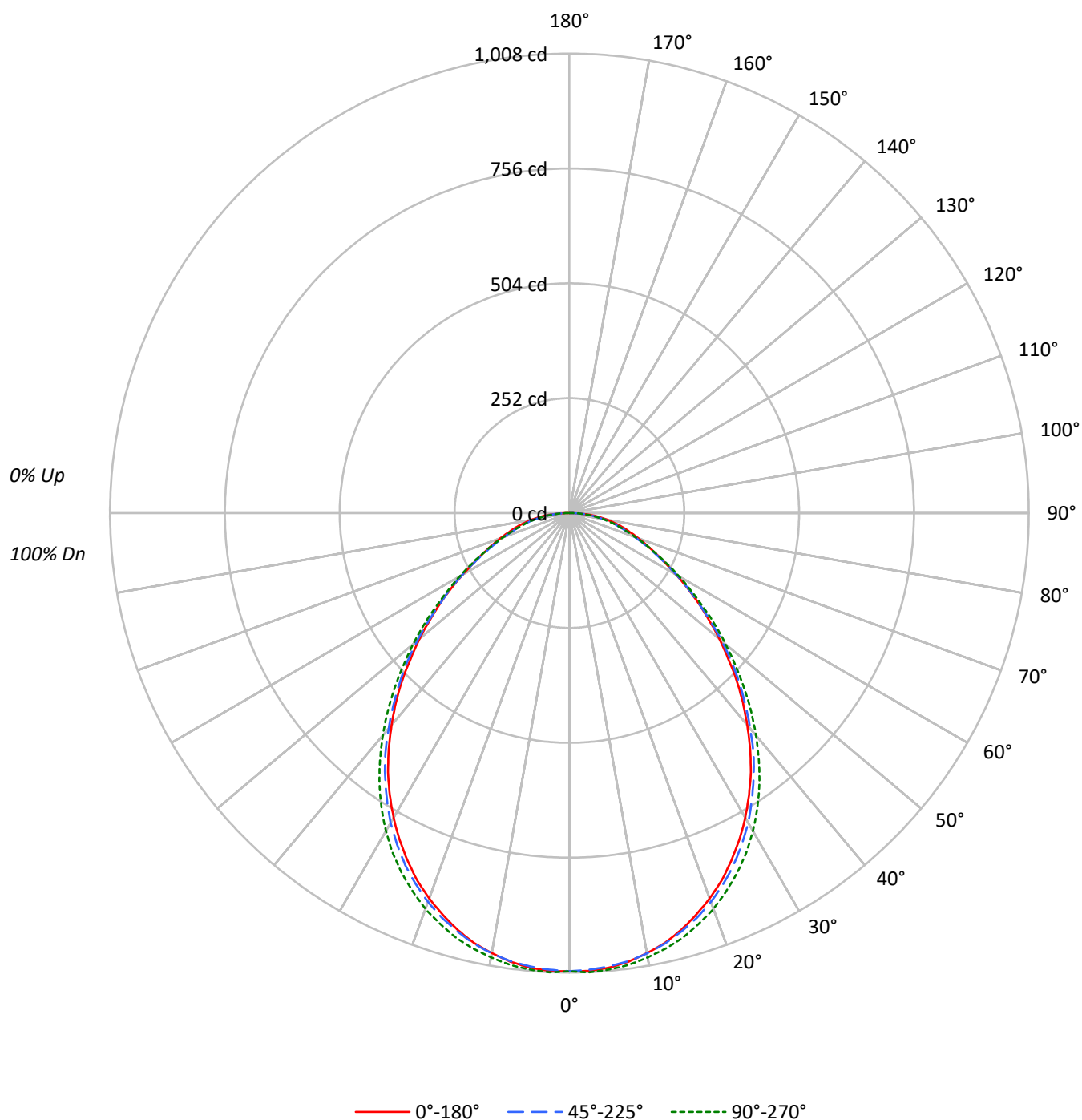
Input Watts (W): 18.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81
3	92	82	75	69	90	81	74	68	78	72	67		75	70	66		73
4	85	74	65	59	83	72	65	59	70	63	58		68	62	57		65
5	78	66	58	52	76	65	57	51	63	56	51		61	55	50		59
6	73	60	52	45	71	59	51	45	57	50	45		56	49	45		54
7	68	55	46	41	66	54	46	40	53	45	40		51	45	40		50
8	63	50	42	36	62	50	42	36	48	41	36		47	41	36		46
9	59	46	38	33	58	46	38	33	45	38	33		44	37	33		43
10	56	43	35	30	54	42	35	30	41	35	30		40	34	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2705	2705	2705
5°	2704	2697	2716
10°	2679	2680	2705
15°	2638	2647	2685
20°	2576	2599	2646
25°	2496	2531	2586
30°	2397	2439	2503
35°	2280	2316	2388
40°	2132	2167	2238
45°	1974	2004	2063
50°	1797	1826	1873
55°	1623	1628	1675
60°	1456	1461	1496
65°	1326	1299	1330
70°	1263	1191	1212
75°	1271	1149	1155
80°	1317	1161	1153
85°	1445	1232	1164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	4.1
10°-20°	268.3	11.7
20°-30°	392.7	17.1
30°-40°	441.5	19.3
40°-50°	407.2	17.8
50°-60°	313.8	13.7
60°-70°	207.1	9.0
70°-80°	120.5	5.3
80°-90°	43.9	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°	756.0	33.0
0°-40°	1197.5	52.3
0°-60°	1918.5	83.8
0°-90°	2290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2290.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1005	1005	1005	1005	1005	
5°	1001	999	998	1003	1005	95
15°	947	947	950	959	964	266
25°	841	845	852	864	871	387
35°	694	697	705	720	727	433
45°	519	519	527	537	542	399
55°	346	345	347	353	357	310
65°	208	207	204	206	209	209
75°	122	117	110	108	111	129
85°	47	46	40	37	38	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1005.3	1005.3	1005.3	1005.3	1005.3
2.5°	1005.3	1003.2	1002.7	1006.4	1008.5
5°	1001.1	998.9	998.4	1003.2	1005.3
7.5°	992.6	991.0	991.5	996.8	999.5
10°	980.3	979.8	980.9	986.7	989.9
12.5°	966.0	965.5	967.6	974.0	978.2
15°	946.9	946.9	950.1	958.6	963.9
17.5°	924.0	925.6	930.4	938.9	944.7
20°	899.6	901.2	907.6	917.1	924.0
22.5°	872.5	874.6	881.0	892.7	898.5
25°	840.6	844.9	852.3	864.0	870.9
27.5°	807.7	812.4	819.3	833.7	840.1
30°	771.5	774.7	784.8	798.1	805.5
32.5°	733.3	736.5	745.0	760.9	767.3
35°	693.9	697.1	705.1	719.5	726.9
37.5°	651.4	654.1	663.7	674.8	682.8
40°	606.8	610.5	616.9	630.2	637.1
42.5°	563.2	564.8	571.7	585.0	590.3
45°	518.6	519.1	526.6	537.2	542.0
47.5°	472.4	473.4	482.5	488.8	493.6
50°	429.3	429.9	436.2	442.1	447.4
52.5°	386.3	386.3	389.5	395.9	402.8
55°	345.9	345.4	347.0	352.8	357.1
57.5°	307.7	307.1	309.2	313.0	316.2
60°	270.5	269.4	271.5	273.6	277.9
62.5°	237.5	238.6	235.9	239.1	242.3
65°	208.3	207.2	204.0	205.6	208.8
67.5°	183.3	181.7	176.4	177.5	181.2
70°	160.5	157.3	151.4	151.4	154.1
72.5°	139.7	136.6	129.1	129.7	130.7
75°	122.2	116.9	110.5	108.4	111.1
77.5°	103.1	98.8	93.0	91.4	92.5
80°	85.0	81.8	74.9	72.8	74.4
82.5°	67.5	64.8	56.9	55.3	55.8
85°	46.8	46.2	39.9	36.7	37.7
87.5°	25.0	25.5	20.7	18.6	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)