

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: P292075

Luminaire Tested: **22GR-LD5-24-F125-UNV-L92765-W2A1-U-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292075
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-4500K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH F125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2211.0 lumens
Efficiency: N/A
Efficacy: 119.5 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

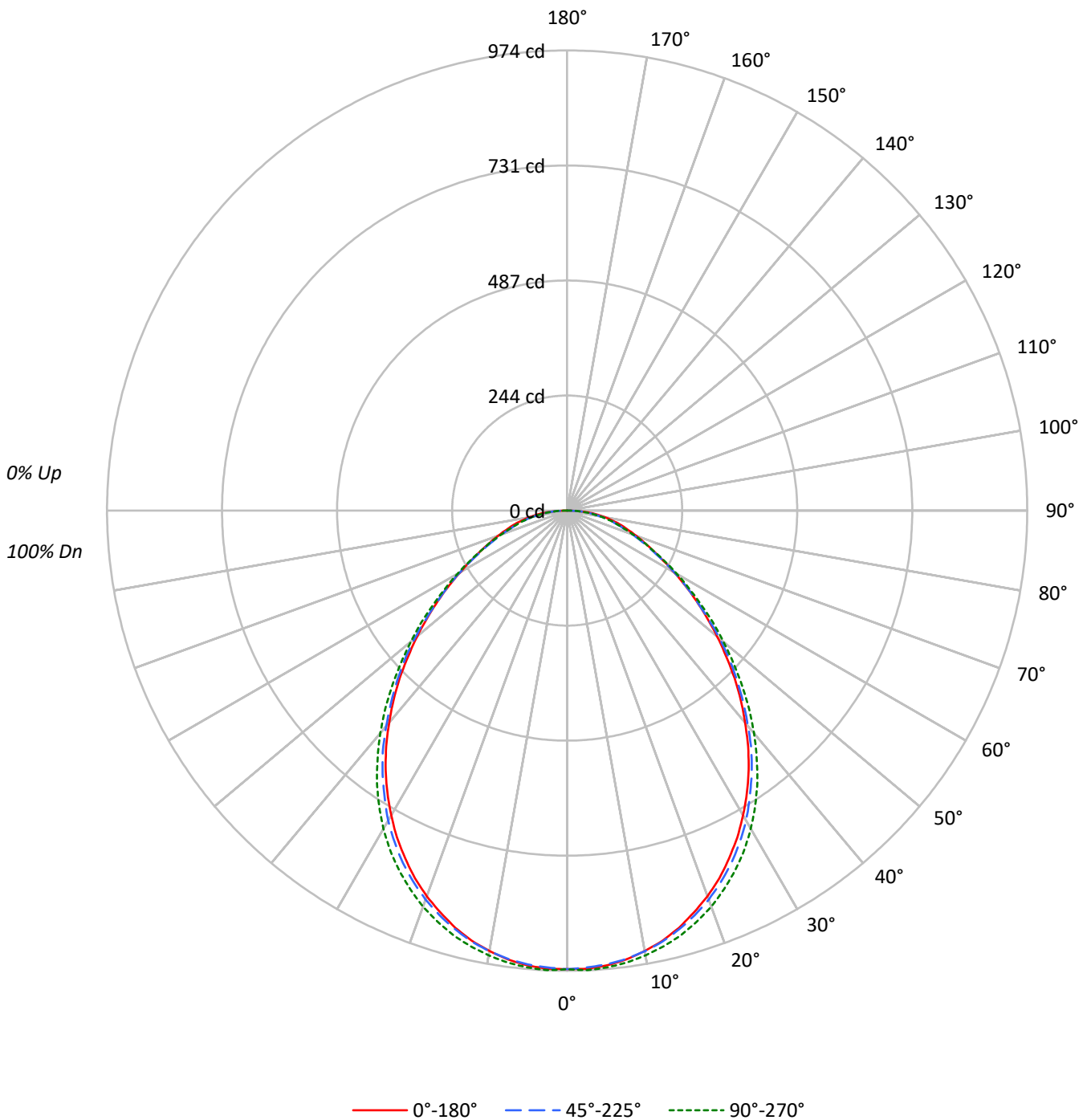
Input Watts (W): 18.507
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P292075

CATALOG NUMBER: 22GR-LD5-24-F125-UNV-L92765-W2A1-U-4500K

Luminous Intensity Polar Plot





TEST NUMBER: P292075

CATALOG NUMBER: 22GR-LD5-24-F125-UNV-L92765-W2A1-U-4500K

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°	2612	2612	2612
5°	2611	2604	2622
10°	2586	2588	2612
15°	2547	2556	2593
20°	2487	2509	2555
25°	2410	2443	2496
30°	2315	2354	2417
35°	2201	2236	2305
40°	2058	2092	2161
45°	1905	1935	1991
50°	1735	1763	1809
55°	1567	1572	1618
60°	1405	1411	1444
65°	1280	1254	1284
70°	1219	1150	1171
75°	1227	1109	1115
80°	1272	1120	1113
85°	1392	1189	1124



TEST NUMBER: P292075

CATALOG NUMBER: 22GR-LD5-24-F125-UNV-L92765-W2A1-U-4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	4.1
10°-20°	259.0	11.7
20°-30°	379.1	17.1
30°-40°	426.3	19.3
40°-50°	393.1	17.8
50°-60°	303.0	13.7
60°-70°	199.9	9.0
70°-80°	116.4	5.3
80°-90°	42.4	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°	729.9	33.0
0°-40°	1156.2	52.3
0°-60°	1852.3	83.8
0°-90°	2211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2211.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	971	971	971	971	971	
5°	966	964	964	969	971	92
15°	914	914	917	926	931	257
25°	812	816	823	834	841	373
35°	670	673	681	695	702	418
45°	501	501	508	519	523	386
55°	334	334	335	341	345	300
65°	201	200	197	198	202	202
75°	118	113	107	105	107	124
85°	45	45	38	35	36	48
90°	0	0	0	0	0	



TEST NUMBER: P292075

CATALOG NUMBER: 22GR-LD5-24-F125-UNV-L92765-W2A1-U-4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	970.6	970.6	970.6	970.6	970.6
2.5°	970.6	968.6	968.1	971.7	973.7
5°	966.5	964.5	964.0	968.6	970.6
7.5°	958.3	956.8	957.3	962.4	965.0
10°	946.5	946.0	947.0	952.7	955.8
12.5°	932.7	932.2	934.2	940.4	944.5
15°	914.2	914.2	917.3	925.5	930.6
17.5°	892.1	893.7	898.3	906.5	912.2
20°	868.5	870.1	876.2	885.5	892.1
22.5°	842.4	844.4	850.6	861.9	867.5
25°	811.6	815.7	822.9	834.2	840.8
27.5°	779.8	784.4	791.1	804.9	811.1
30°	744.9	748.0	757.7	770.6	777.7
32.5°	708.0	711.0	719.3	734.6	740.8
35°	670.0	673.1	680.8	694.6	701.8
37.5°	629.0	631.5	640.8	651.5	659.2
40°	585.9	589.5	595.6	608.4	615.1
42.5°	543.8	545.3	552.0	564.8	570.0
45°	500.7	501.2	508.4	518.7	523.3
47.5°	456.1	457.1	465.8	472.0	476.6
50°	414.5	415.0	421.2	426.8	432.0
52.5°	373.0	373.0	376.0	382.2	388.9
55°	334.0	333.5	335.0	340.6	344.8
57.5°	297.0	296.5	298.6	302.2	305.2
60°	261.1	260.1	262.2	264.2	268.3
62.5°	229.3	230.3	227.8	230.9	233.9
65°	201.1	200.1	197.0	198.5	201.6
67.5°	177.0	175.5	170.3	171.3	174.9
70°	154.9	151.9	146.2	146.2	148.8
72.5°	134.9	131.8	124.7	125.2	126.2
75°	118.0	112.9	106.7	104.7	107.2
77.5°	99.5	95.4	89.8	88.2	89.3
80°	82.1	79.0	72.3	70.3	71.8
82.5°	65.2	62.6	54.9	53.4	53.9
85°	45.1	44.6	38.5	35.4	36.4
87.5°	24.1	24.6	20.0	18.0	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)