

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: P292071

Luminaire Tested: **22GR-LD5-24-F125-UNV-L92765-W2A1-U-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292071
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-2700K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH F125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1912.0 lumens
Efficiency: N/A
Efficacy: 105.4 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

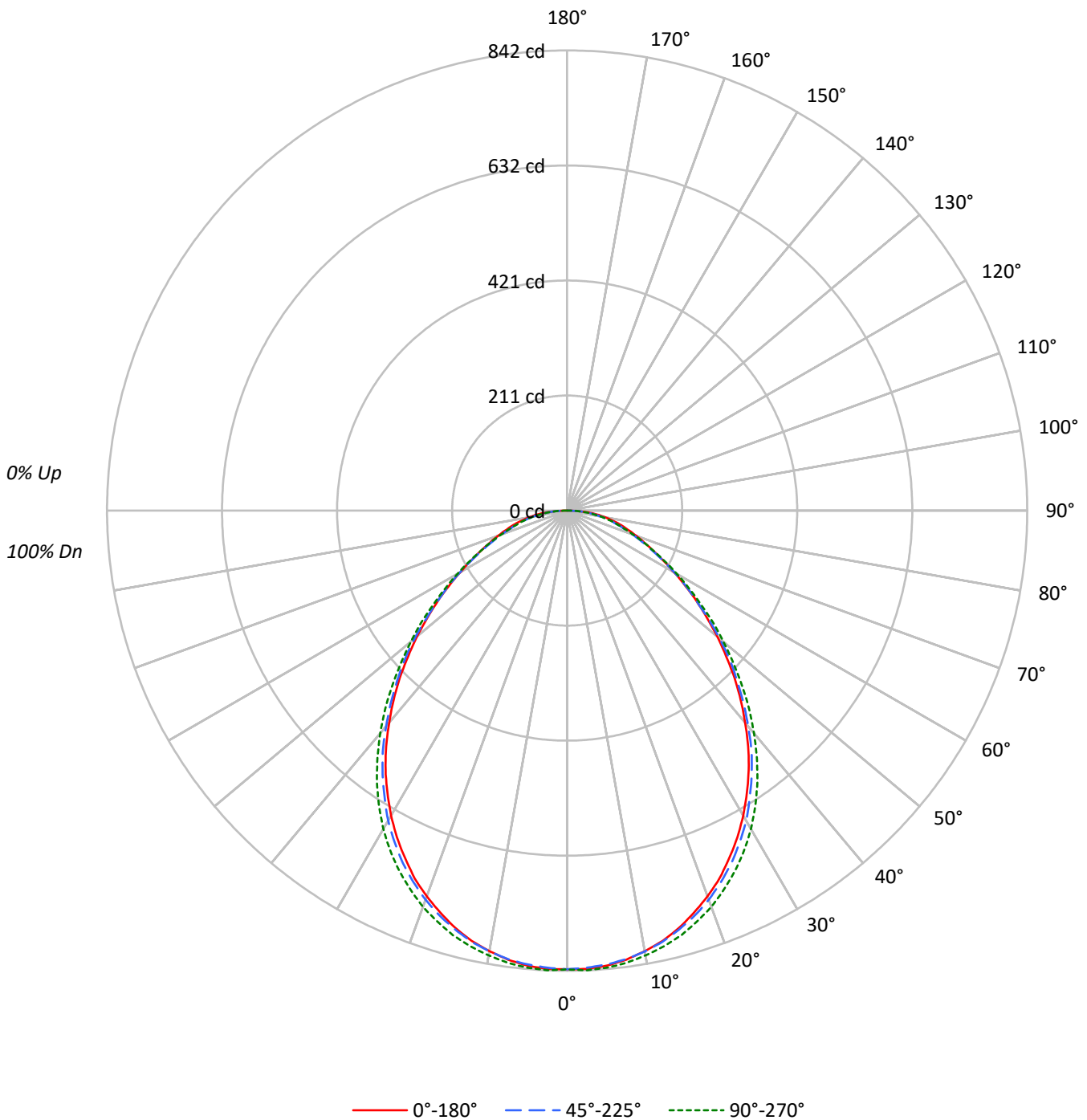
Input Watts (W): 18.135
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P292071

CATALOG NUMBER: 22GR-LD5-24-F125-UNV-L92765-W2A1-U-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P292071

CATALOG NUMBER: 22GR-LD5-24-F125-UNV-L92765-W2A1-U-2700K

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°	2259	2259	2259
5°	2258	2252	2267
10°	2237	2238	2258
15°	2203	2210	2242
20°	2151	2170	2209
25°	2084	2113	2159
30°	2002	2036	2090
35°	1903	1934	1994
40°	1780	1809	1868
45°	1648	1673	1722
50°	1501	1525	1564
55°	1355	1359	1399
60°	1215	1220	1249
65°	1107	1085	1110
70°	1054	995	1013
75°	1061	960	964
80°	1100	970	962
85°	1204	1028	973



TEST NUMBER: P292071

CATALOG NUMBER: 22GR-LD5-24-F125-UNV-L92765-W2A1-U-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	4.1
10°-20°	224.0	11.7
20°-30°	327.9	17.1
30°-40°	368.6	19.3
40°-50°	340.0	17.8
50°-60°	262.0	13.7
60°-70°	172.9	9.0
70°-80°	100.6	5.3
80°-90°	36.7	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°	631.2	33.0
0°-40°	999.8	52.3
0°-60°	1601.8	83.8
0°-90°	1912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1912.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	839	839	839	839	839	
5°	836	834	834	838	839	79
15°	791	791	793	800	805	222
25°	702	705	712	721	727	323
35°	579	582	589	601	607	361
45°	433	433	440	448	452	333
55°	289	288	290	295	298	259
65°	174	173	170	172	174	174
75°	102	98	92	90	93	107
85°	39	39	33	31	32	41
90°	0	0	0	0	0	



TEST NUMBER: P292071

CATALOG NUMBER: 22GR-LD5-24-F125-UNV-L92765-W2A1-U-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	839.4	839.4	839.4	839.4	839.4
2.5°	839.4	837.6	837.2	840.3	842.0
5°	835.8	834.1	833.6	837.6	839.4
7.5°	828.7	827.4	827.8	832.3	834.5
10°	818.5	818.1	819.0	823.8	826.5
12.5°	806.5	806.1	807.9	813.2	816.8
15°	790.6	790.6	793.2	800.3	804.8
17.5°	771.5	772.8	776.8	783.9	788.8
20°	751.1	752.4	757.7	765.7	771.5
22.5°	728.5	730.2	735.6	745.3	750.2
25°	701.8	705.4	711.6	721.4	727.1
27.5°	674.3	678.3	684.1	696.1	701.4
30°	644.2	646.8	655.3	666.4	672.6
32.5°	612.2	614.9	622.0	635.3	640.6
35°	579.4	582.1	588.7	600.7	606.9
37.5°	543.9	546.1	554.1	563.4	570.1
40°	506.6	509.7	515.1	526.2	531.9
42.5°	470.3	471.6	477.4	488.5	492.9
45°	433.0	433.4	439.7	448.5	452.5
47.5°	394.4	395.3	402.8	408.2	412.1
50°	358.5	358.9	364.2	369.1	373.5
52.5°	322.5	322.5	325.2	330.5	336.3
55°	288.8	288.4	289.7	294.6	298.1
57.5°	256.9	256.4	258.2	261.3	264.0
60°	225.8	224.9	226.7	228.5	232.0
62.5°	198.3	199.2	197.0	199.6	202.3
65°	173.9	173.0	170.4	171.7	174.4
67.5°	153.1	151.7	147.3	148.2	151.3
70°	134.0	131.3	126.4	126.4	128.7
72.5°	116.7	114.0	107.8	108.2	109.1
75°	102.0	97.6	92.3	90.5	92.7
77.5°	86.1	82.5	77.6	76.3	77.2
80°	71.0	68.3	62.6	60.8	62.1
82.5°	56.3	54.1	47.5	46.1	46.6
85°	39.0	38.6	33.3	30.6	31.5
87.5°	20.9	21.3	17.3	15.5	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)