

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: P292367

Luminaire Tested: **22GR-LD5-24-A125-UNV-L82765-W2A1-U-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292367
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-LD5-24-A125-UNV-L82765-W2A1-U-3500K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2372.0 lumens
Efficiency: N/A
Efficacy: 130.1 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

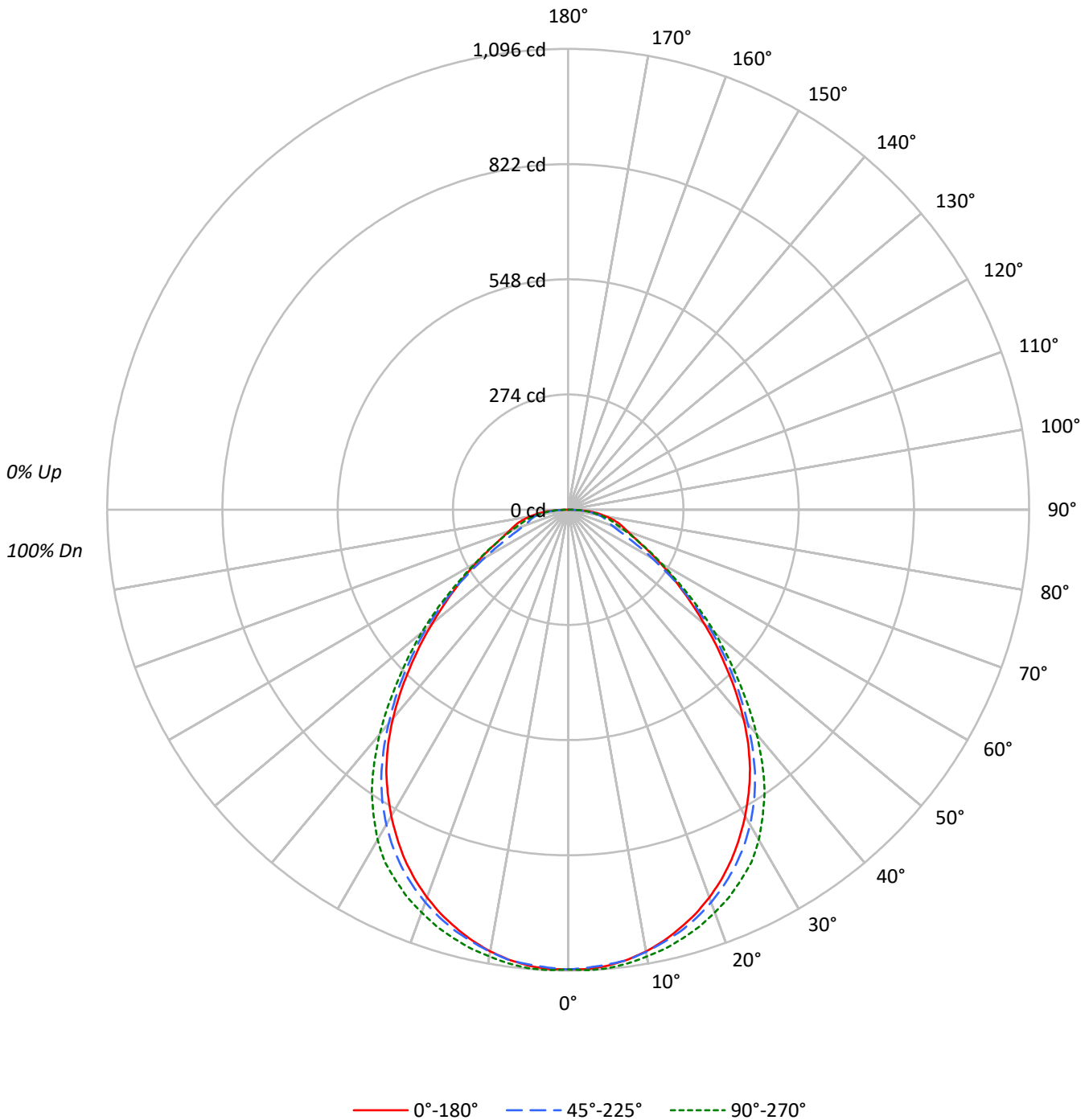
Input Watts (W): 18.228
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2942	2942	2942
5°	2940	2932	2957
10°	2915	2918	2948
15°	2869	2889	2938
20°	2810	2846	2919
25°	2727	2783	2885
30°	2614	2688	2816
35°	2476	2545	2674
40°	2277	2333	2450
45°	2023	2096	2172
50°	1767	1847	1903
55°	1536	1557	1614
60°	1351	1238	1378
65°	1201	989	1208
70°	1179	879	1114
75°	1288	966	1138
80°	1415	1148	1216
85°	1692	1331	1365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	4.4
10°-20°	293.0	12.4
20°-30°	432.6	18.2
30°-40°	484.1	20.4
40°-50°	425.1	17.9
50°-60°	300.8	12.7
60°-70°	175.1	7.4
70°-80°	109.1	4.6
80°-90°	48.8	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°	829.0	34.9
0°-40°	1313.1	55.4
0°-60°	2039.0	86.0
0°-90°	2372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2372.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1093	1093	1093	1093	1093	
5°	1088	1086	1086	1091	1094	103
15°	1030	1032	1037	1048	1055	290
25°	919	922	937	960	972	422
35°	754	757	775	798	814	469
45°	532	538	551	564	571	411
55°	327	334	332	338	344	296
65°	189	174	155	169	190	191
75°	124	107	93	95	110	129
85°	55	57	43	42	44	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1093.4	1093.4	1093.4	1093.4	1093.4
2.5°	1093.4	1091.2	1090.1	1093.9	1096.1
5°	1088.4	1085.6	1085.6	1091.2	1094.5
7.5°	1079.5	1076.8	1080.1	1085.1	1088.4
10°	1066.8	1065.7	1067.9	1074.6	1079.0
12.5°	1050.2	1050.8	1053.0	1063.5	1069.0
15°	1029.8	1032.0	1037.0	1048.0	1054.7
17.5°	1007.7	1009.3	1017.1	1029.8	1039.2
20°	981.1	984.4	993.8	1009.9	1019.3
22.5°	951.8	955.7	967.3	986.6	998.3
25°	918.6	922.5	937.4	959.5	971.7
27.5°	881.0	887.1	903.7	928.0	944.6
30°	841.2	846.2	865.0	892.6	906.4
32.5°	798.6	804.7	822.4	848.9	861.1
35°	753.8	757.1	774.8	798.0	814.1
37.5°	702.9	704.6	721.2	742.7	757.1
40°	648.2	649.3	664.2	684.7	697.4
42.5°	591.2	591.8	607.8	623.3	634.3
45°	531.5	537.6	550.8	564.1	570.7
47.5°	477.8	482.3	494.4	506.0	512.1
50°	422.0	433.0	441.3	447.4	454.6
52.5°	373.9	383.3	385.5	392.7	398.7
55°	327.4	334.0	331.8	337.9	344.0
57.5°	288.1	284.8	277.6	288.1	295.9
60°	251.1	242.2	230.1	244.4	256.1
62.5°	217.9	203.5	188.6	203.0	222.3
65°	188.6	173.7	155.4	169.2	189.7
67.5°	166.5	151.0	129.4	143.2	163.7
70°	149.9	133.8	111.7	123.3	141.6
72.5°	136.6	119.5	100.1	107.8	123.3
75°	123.9	106.7	92.9	95.1	109.5
77.5°	109.0	96.2	85.2	84.1	95.1
80°	91.3	87.4	74.1	72.4	78.5
82.5°	75.2	73.6	60.8	59.2	61.4
85°	54.8	57.0	43.1	42.0	44.2
87.5°	28.8	31.5	22.7	23.8	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)