

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: P291283

Luminaire Tested: **14GR-LD5-20-A125-UNV-L92765-W2A1-U-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P291283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33315)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14GR-LD5-20-A125-UNV-L92765-W2A1-U-5000K  
Description: GRLED 1x4 TUNABLE WHITE TROFFER  
WITH A125 LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1928.0 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.21 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

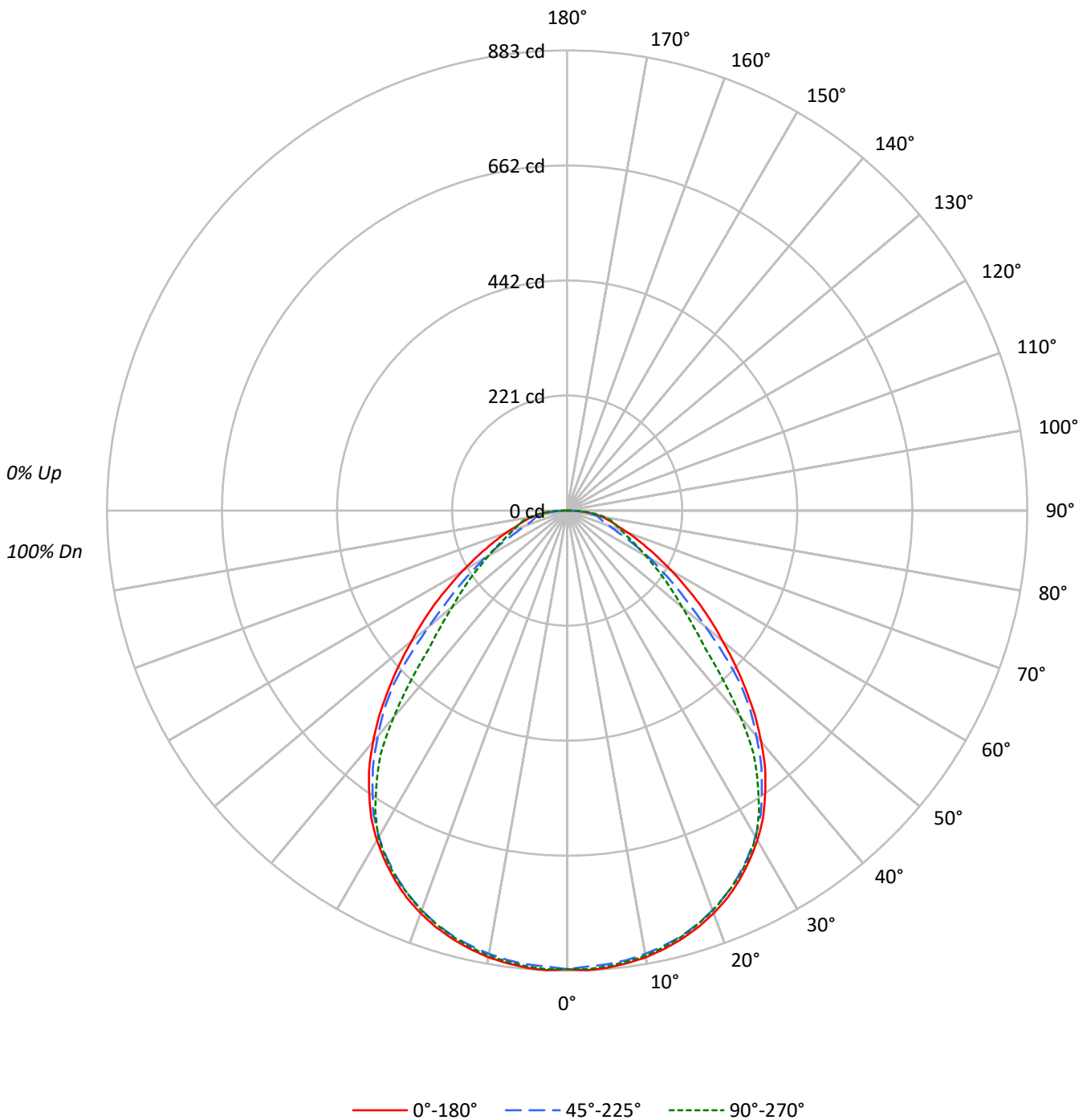
Input Watts (W): 15.903  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	82	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44
7	69	56	48	43	67	56	48	42	54	47	42	53	47	42	52	46	42	40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	35	31	30

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2368	2368	2368
5°	2379	2361	2372
10°	2378	2360	2370
15°	2370	2355	2359
20°	2354	2336	2339
25°	2323	2301	2308
30°	2270	2245	2250
35°	2176	2139	2094
40°	2035	1984	1821
45°	1842	1789	1428
50°	1629	1448	1204
55°	1442	1190	1062
60°	1244	984	941
65°	1082	783	866
70°	978	672	865
75°	940	702	967
80°	1046	894	1130
85°	1105	954	1352



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.5	4.3
10°-20°	239.2	12.4
20°-30°	357.9	18.6
30°-40°	405.2	21.0
40°-50°	345.1	17.9
50°-60°	233.7	12.1
60°-70°	139.5	7.2
70°-80°	87.2	4.5
80°-90°	36.8	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°	680.5	35.3
0°-40°	1085.7	56.3
0°-60°	1664.5	86.3
0°-90°	1928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1928.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	880	880	880	880	880	
5°	881	878	874	879	878	84
15°	851	848	845	851	847	240
25°	782	780	775	779	777	360
35°	662	658	651	644	637	413
45°	484	485	470	401	375	373
55°	307	290	254	226	226	275
65°	170	142	123	132	136	171
75°	90	81	68	89	93	98
85°	36	33	31	39	44	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	879.8	879.8	879.8	879.8	879.8
2.5°	882.9	880.7	875.8	881.6	880.7
5°	880.7	878.5	874.0	879.4	878.0
7.5°	876.2	874.0	870.0	875.3	873.1
10°	870.4	867.7	863.7	869.5	867.3
12.5°	861.5	858.8	855.2	861.0	857.9
15°	850.7	847.6	845.4	850.7	846.7
17.5°	837.8	835.1	831.9	837.3	832.8
20°	822.1	819.9	815.8	819.0	816.7
22.5°	804.2	801.1	797.1	800.6	797.5
25°	782.3	780.1	775.1	778.7	777.4
27.5°	757.3	755.9	750.1	754.6	752.3
30°	730.4	726.8	722.4	723.7	724.2
32.5°	699.6	695.1	691.5	688.4	685.2
35°	662.4	658.4	651.2	644.5	637.4
37.5°	624.0	618.6	611.4	596.7	587.7
40°	579.2	576.5	564.9	544.3	518.4
42.5°	533.6	530.9	520.6	474.6	446.4
45°	484.0	485.3	470.1	400.8	375.3
47.5°	436.5	440.1	407.0	342.2	328.8
50°	389.1	393.2	345.8	295.7	287.6
52.5°	347.5	344.4	294.8	259.4	255.8
55°	307.3	290.3	253.6	226.3	226.3
57.5°	266.1	242.0	215.6	198.1	198.1
60°	231.2	201.3	182.9	171.3	174.9
62.5°	199.0	167.3	151.6	149.4	153.9
65°	170.0	141.8	123.0	131.5	136.0
67.5°	146.3	121.2	101.1	119.0	121.7
70°	124.3	105.6	85.4	109.6	110.0
72.5°	104.2	93.0	73.4	99.3	101.1
75°	90.4	81.0	67.5	88.6	93.0
77.5°	79.2	69.3	62.2	76.5	85.0
80°	67.5	56.8	57.7	64.4	72.9
82.5°	51.9	43.8	45.6	52.8	59.5
85°	35.8	33.1	30.9	38.9	43.8
87.5°	19.2	17.9	15.7	21.9	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)