

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: P293846

Luminaire Tested: **24GR-LD5-34-A125-UNV-L92765-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P293846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33307)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24GR-LD5-34-A125-UNV-L92765-W2A1-U-3000K
Description: GRLED 2x4 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (336) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2850.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

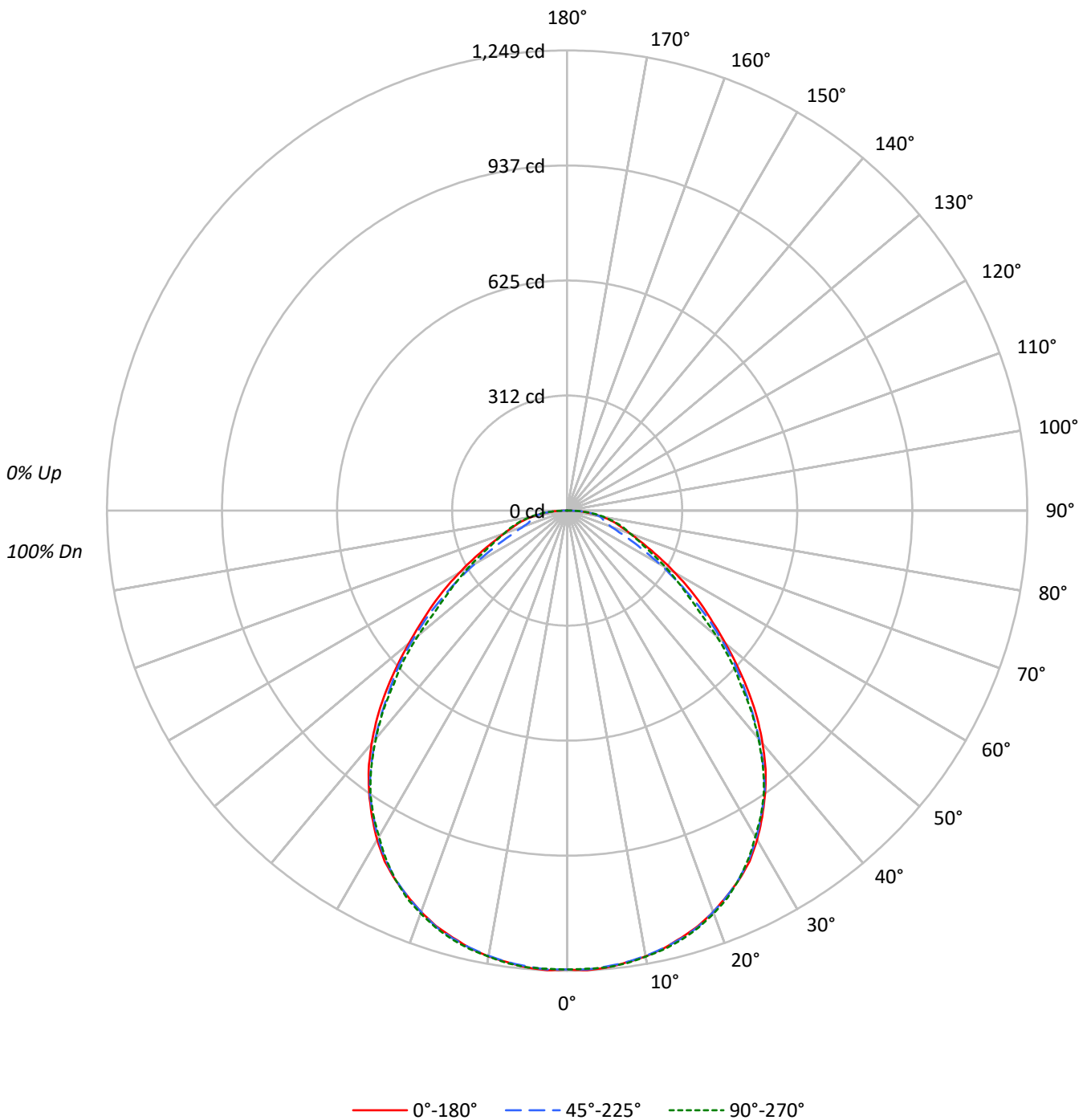
Input Watts (W): 22.785
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64
4	86	75	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1676	1676	1676
5°	1681	1678	1681
10°	1679	1677	1680
15°	1671	1674	1678
20°	1660	1660	1666
25°	1641	1638	1639
30°	1603	1594	1587
35°	1539	1535	1529
40°	1450	1424	1417
45°	1326	1290	1267
50°	1173	1149	1105
55°	1043	972	935
60°	908	778	834
65°	784	603	737
70°	715	493	714
75°	721	532	758
80°	751	693	799
85°	783	824	886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	4.1
10°-20°	338.8	11.9
20°-30°	507.1	17.8
30°-40°	579.5	20.3
40°-50°	523.9	18.4
50°-60°	376.9	13.2
60°-70°	218.5	7.7
70°-80°	129.6	4.5
80°-90°	57.4	2.0
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°	964.1	33.8
0°-40°	1543.6	54.2
0°-60°	2444.4	85.8
0°-90°	2850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1245	1245	1245	1245	1245	
5°	1245	1243	1242	1240	1244	118
15°	1200	1202	1202	1200	1205	339
25°	1105	1104	1103	1101	1104	508
35°	937	933	935	923	931	584
45°	697	685	678	672	666	536
55°	445	436	414	404	398	398
65°	246	219	189	212	232	249
75°	139	116	102	126	146	147
85°	51	55	53	61	57	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1245.4	1245.4	1245.4	1245.4	1245.4
2.5°	1248.9	1244.5	1246.7	1245.4	1244.9
5°	1244.9	1243.1	1242.2	1240.5	1244.5
7.5°	1236.9	1235.6	1236.0	1236.5	1239.1
10°	1228.9	1226.7	1227.1	1228.0	1229.3
12.5°	1216.5	1215.1	1215.6	1216.5	1219.6
15°	1199.6	1201.8	1201.8	1200.4	1204.9
17.5°	1182.7	1182.2	1184.4	1180.4	1186.7
20°	1159.1	1159.5	1159.1	1159.5	1163.5
22.5°	1132.4	1134.6	1133.3	1133.3	1137.8
25°	1105.3	1104.0	1103.1	1100.9	1104.0
27.5°	1072.8	1070.2	1068.0	1063.5	1065.7
30°	1031.5	1031.9	1026.2	1022.2	1021.3
32.5°	985.3	985.3	979.9	976.8	979.5
35°	937.2	932.8	934.6	923.0	931.0
37.5°	885.2	878.1	874.1	870.1	872.8
40°	825.6	816.3	810.5	802.5	807.0
42.5°	762.9	751.4	744.3	738.5	740.3
45°	697.1	685.1	678.0	671.8	665.6
47.5°	627.8	620.2	616.7	608.7	601.6
50°	560.2	557.5	549.1	542.4	527.8
52.5°	498.4	496.2	482.8	471.7	453.1
55°	444.6	436.2	414.4	403.7	398.4
57.5°	389.9	376.1	349.9	348.6	352.1
60°	337.5	320.6	289.0	296.1	309.9
62.5°	289.9	264.5	234.3	251.2	267.7
65°	246.3	218.7	189.4	211.6	231.6
67.5°	210.3	182.7	152.5	182.3	205.4
70°	181.8	153.8	125.4	159.6	181.4
72.5°	158.3	132.9	109.4	141.8	164.5
75°	138.7	116.0	102.3	126.3	145.8
77.5°	119.2	100.9	97.8	112.5	124.5
80°	96.9	88.5	89.4	98.7	103.1
82.5°	72.5	72.9	75.1	82.7	80.9
85°	50.7	54.7	53.4	61.4	57.4
87.5°	28.0	30.7	28.9	35.1	31.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)