

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: P291333

Luminaire Tested: **14GR-LD5-43-A125-UNV-L92765-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P291333
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-LD5-43-A125-UNV-L92765-W2A1-U-3000K
Description: GRLED 1x4 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3597.0 lumens
Efficiency: N/A
Efficacy: 99.4 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

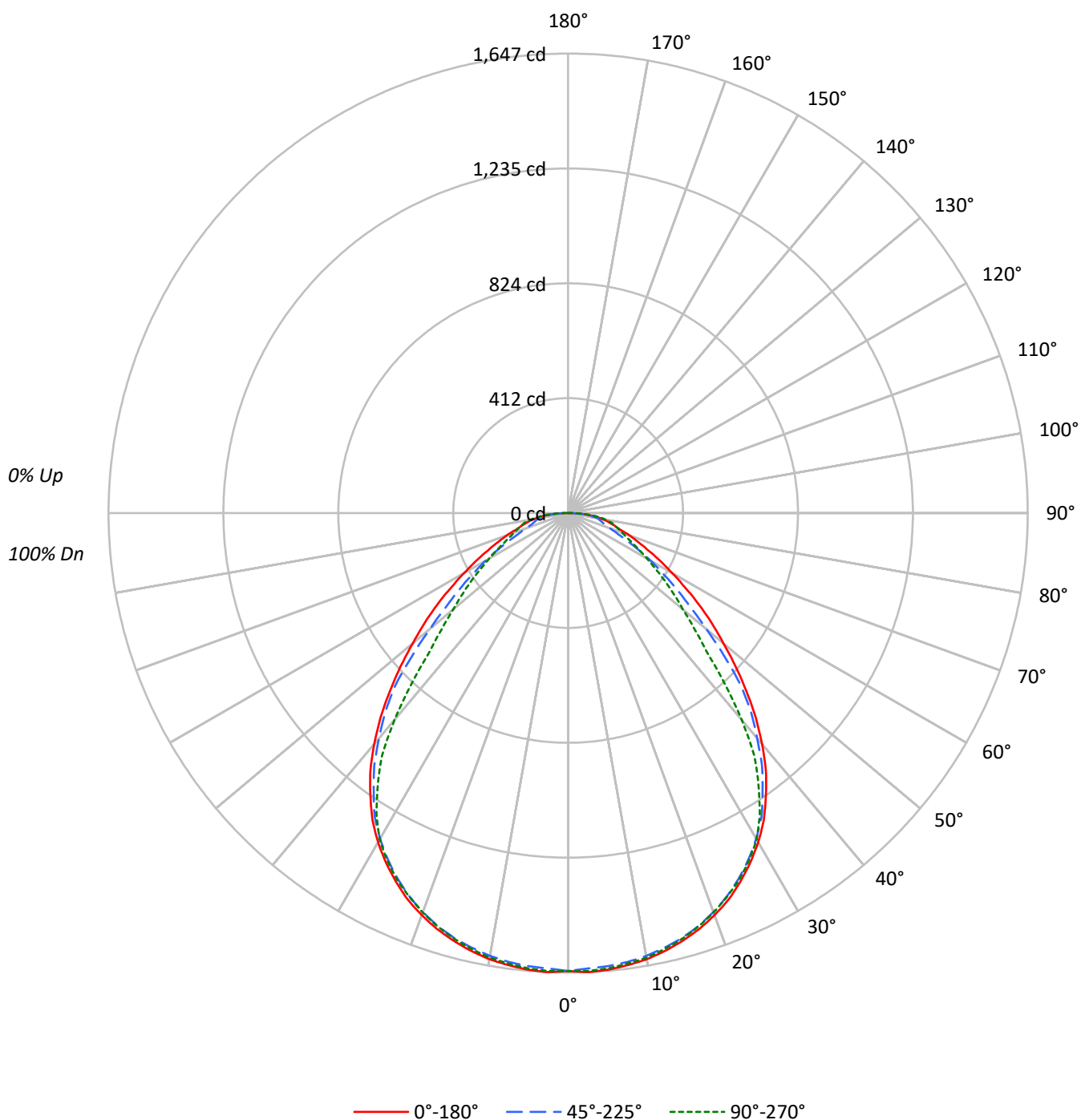
Input Watts (W): 36.177
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	98	107	103	100	97	99	96	94		95	93	91		92
2	101	94	88	82	99	92	86	82	88	84	80		85	81	78		82
3	93	84	76	70	91	82	75	70	79	73	69		77	72	67		74
4	86	75	67	61	84	74	66	61	71	65	60		69	64	59		67
5	80	68	60	54	78	67	59	53	65	58	53		63	57	52		61
6	74	62	54	48	72	61	53	47	59	52	47		58	51	47		56
7	69	56	48	43	67	56	48	42	54	47	42		53	47	42		52
8	65	52	44	38	63	51	44	38	50	43	38		49	42	38		48
9	60	48	40	35	59	47	40	35	46	39	35		45	39	34		44
10	57	44	37	32	56	44	37	32	43	36	32		42	36	32		41

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4417	4417	4417
5°	4438	4405	4425
10°	4437	4403	4421
15°	4422	4394	4401
20°	4392	4359	4364
25°	4333	4294	4306
30°	4234	4188	4198
35°	4060	3991	3906
40°	3796	3702	3398
45°	3436	3338	2664
50°	3039	2701	2246
55°	2690	2220	1981
60°	2322	1837	1756
65°	2019	1461	1615
70°	1825	1254	1615
75°	1753	1310	1805
80°	1953	1667	2108
85°	2062	1778	2526



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	4.3
10°-20°	446.2	12.4
20°-30°	667.8	18.6
30°-40°	755.9	21.0
40°-50°	643.9	17.9
50°-60°	436.0	12.1
60°-70°	260.3	7.2
70°-80°	162.6	4.5
80°-90°	68.7	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°	1269.7	35.3
0°-40°	2025.6	56.3
0°-60°	3105.4	86.3
0°-90°	3597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3597.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1641	1641	1641	1641	1641	
5°	1643	1639	1631	1641	1638	156
15°	1587	1581	1577	1587	1580	448
25°	1460	1455	1446	1453	1450	671
35°	1236	1228	1215	1202	1189	770
45°	903	905	877	748	700	696
55°	573	542	473	422	422	513
65°	317	264	230	245	254	320
75°	169	151	126	165	174	182
85°	67	62	58	73	82	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1641.4	1641.4	1641.4	1641.4	1641.4
2.5°	1647.3	1643.1	1633.9	1644.8	1643.1
5°	1643.1	1638.9	1630.6	1640.6	1638.1
7.5°	1634.7	1630.6	1623.1	1633.1	1628.9
10°	1623.9	1618.9	1611.4	1622.2	1618.1
12.5°	1607.2	1602.2	1595.5	1606.4	1600.5
15°	1587.2	1581.3	1577.2	1587.2	1579.7
17.5°	1563.0	1558.0	1552.1	1562.1	1553.8
20°	1533.8	1529.6	1522.1	1527.9	1523.8
22.5°	1500.4	1494.6	1487.0	1493.7	1487.9
25°	1459.5	1455.3	1446.2	1452.8	1450.3
27.5°	1412.8	1410.3	1399.4	1407.8	1403.6
30°	1362.7	1356.0	1347.7	1350.2	1351.0
32.5°	1305.1	1296.8	1290.1	1284.3	1278.4
35°	1235.9	1228.4	1215.0	1202.5	1189.1
37.5°	1164.1	1154.1	1140.7	1113.2	1096.5
40°	1080.7	1075.6	1053.9	1015.6	967.2
42.5°	995.5	990.5	971.3	885.4	832.8
45°	902.9	905.4	877.0	747.7	700.1
47.5°	814.5	821.1	759.4	638.4	613.3
50°	726.0	733.5	645.1	551.6	536.6
52.5°	648.4	642.6	549.9	484.0	477.3
55°	573.3	541.6	473.2	422.2	422.2
57.5°	496.5	451.5	402.2	369.7	369.7
60°	431.4	375.5	341.3	319.6	326.3
62.5°	371.3	312.1	282.9	278.7	287.1
65°	317.1	264.5	229.5	245.3	253.7
67.5°	272.9	226.1	188.6	222.0	227.0
70°	232.0	196.9	159.4	204.4	205.3
72.5°	194.4	173.6	136.9	185.3	188.6
75°	168.6	151.0	126.0	165.2	173.6
77.5°	147.7	129.3	116.0	142.7	158.6
80°	126.0	106.0	107.6	120.2	136.0
82.5°	96.8	81.8	85.1	98.5	111.0
85°	66.8	61.8	57.6	72.6	81.8
87.5°	35.9	33.4	29.2	40.9	41.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)