

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: P291332

Luminaire Tested: **14GR-LD5-43-A125-UNV-L92765-W2A1-U-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P291332
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-2700K
Description: GRLED 1x4 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3459.0 lumens
Efficiency: N/A
Efficacy: 94.9 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

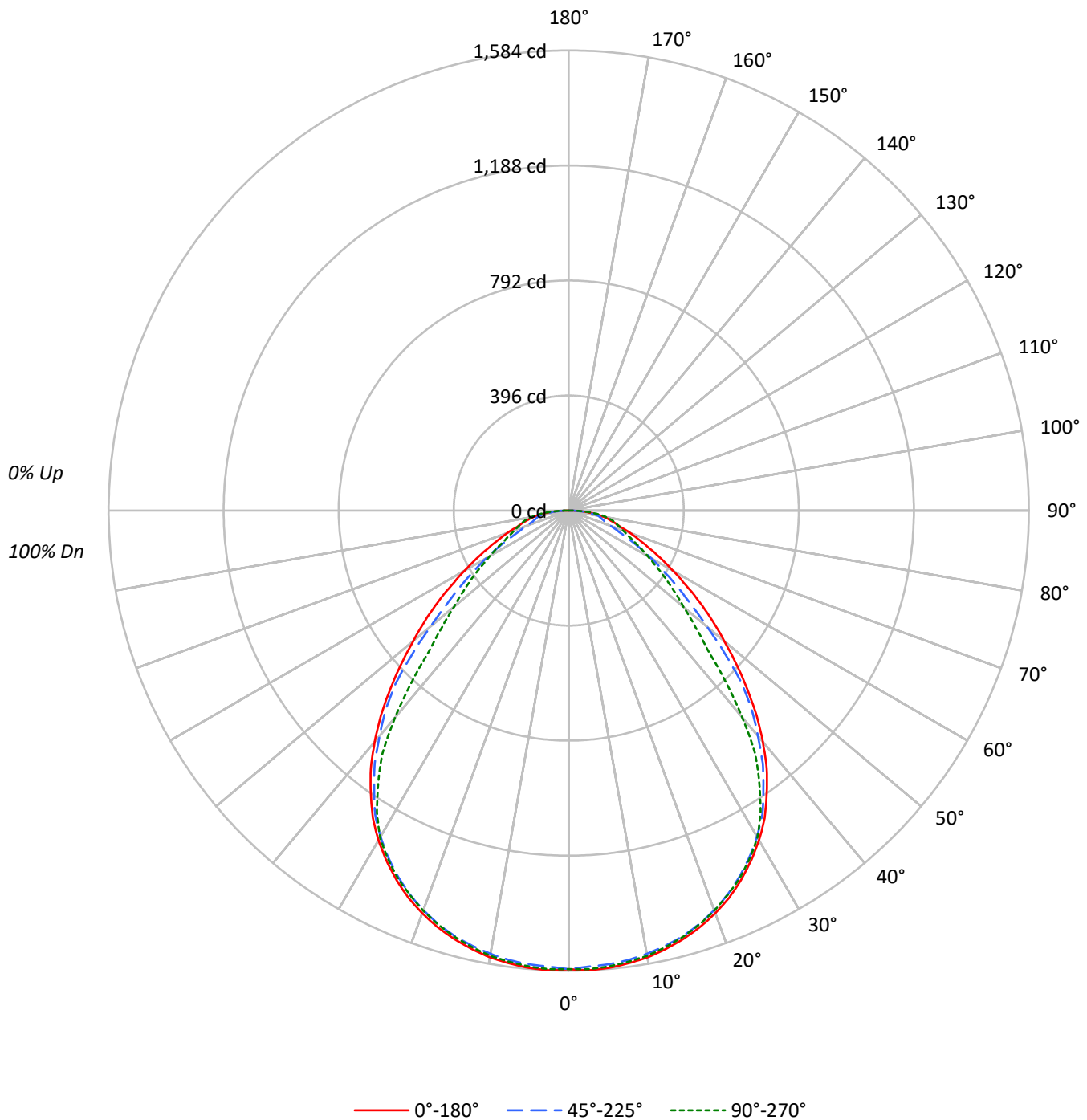
Input Watts (W): 36.456
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4248	4248	4248
5°	4268	4236	4255
10°	4267	4234	4252
15°	4252	4225	4232
20°	4224	4192	4196
25°	4167	4129	4141
30°	4072	4027	4037
35°	3904	3838	3756
40°	3651	3560	3267
45°	3304	3210	2562
50°	2923	2597	2160
55°	2586	2135	1905
60°	2233	1766	1689
65°	1941	1405	1553
70°	1755	1206	1553
75°	1685	1260	1735
80°	1878	1604	2027
85°	1982	1711	2427



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.7	4.3
10°-20°	429.1	12.4
20°-30°	642.1	18.6
30°-40°	726.9	21.0
40°-50°	619.2	17.9
50°-60°	419.2	12.1
60°-70°	250.3	7.2
70°-80°	156.4	4.5
80°-90°	66.1	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°	1220.9	35.3
0°-40°	1947.9	56.3
0°-60°	2986.2	86.3
0°-90°	3459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1578	1578	1578	1578	1578	
5°	1580	1576	1568	1578	1575	150
15°	1526	1521	1517	1526	1519	431
25°	1404	1400	1391	1397	1395	645
35°	1188	1181	1168	1156	1144	741
45°	868	871	843	719	673	670
55°	551	521	455	406	406	493
65°	305	254	221	236	244	307
75°	162	145	121	159	167	175
85°	64	59	55	70	79	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1578.5	1578.5	1578.5	1578.5	1578.5
2.5°	1584.1	1580.1	1571.2	1581.7	1580.1
5°	1580.1	1576.0	1568.0	1577.6	1575.2
7.5°	1572.0	1568.0	1560.8	1570.4	1566.4
10°	1561.6	1556.8	1549.6	1560.0	1556.0
12.5°	1545.5	1540.7	1534.3	1544.7	1539.1
15°	1526.3	1520.7	1516.7	1526.3	1519.1
17.5°	1503.0	1498.2	1492.6	1502.2	1494.2
20°	1474.9	1470.9	1463.7	1469.3	1465.3
22.5°	1442.8	1437.2	1430.0	1436.4	1430.8
25°	1403.5	1399.5	1390.7	1397.1	1394.7
27.5°	1358.6	1356.2	1345.7	1353.8	1349.7
30°	1310.4	1304.0	1296.0	1298.4	1299.2
32.5°	1255.1	1247.0	1240.6	1235.0	1229.4
35°	1188.5	1181.2	1168.4	1156.4	1143.5
37.5°	1119.4	1109.8	1097.0	1070.5	1054.4
40°	1039.2	1034.4	1013.5	976.6	930.1
42.5°	957.3	952.5	934.1	851.4	800.9
45°	868.3	870.7	843.4	719.0	673.3
47.5°	783.2	789.6	730.2	613.9	589.8
50°	698.1	705.4	620.3	530.4	516.0
52.5°	623.5	617.9	528.8	465.4	459.0
55°	551.3	520.8	455.0	406.0	406.0
57.5°	477.5	434.1	386.8	355.5	355.5
60°	414.9	361.1	328.2	307.3	313.8
62.5°	357.1	300.1	272.0	268.0	276.0
65°	304.9	254.4	220.7	235.9	243.9
67.5°	262.4	217.5	181.4	213.5	218.3
70°	223.1	189.4	153.3	196.6	197.4
72.5°	187.0	166.9	131.6	178.1	181.4
75°	162.1	145.2	121.2	158.9	166.9
77.5°	142.0	124.4	111.5	137.2	152.5
80°	121.2	101.9	103.5	115.6	130.8
82.5°	93.1	78.6	81.9	94.7	106.7
85°	64.2	59.4	55.4	69.8	78.6
87.5°	34.5	32.1	28.1	39.3	40.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)