

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: P291311

Luminaire Tested: **14GR-LD5-32-A125-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P291311
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-LD5-32-A125-UNV-L92765-W2A1-U-5500K
Description: GRLED 1x4 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3105.0 lumens
Efficiency: N/A
Efficacy: 117.6 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

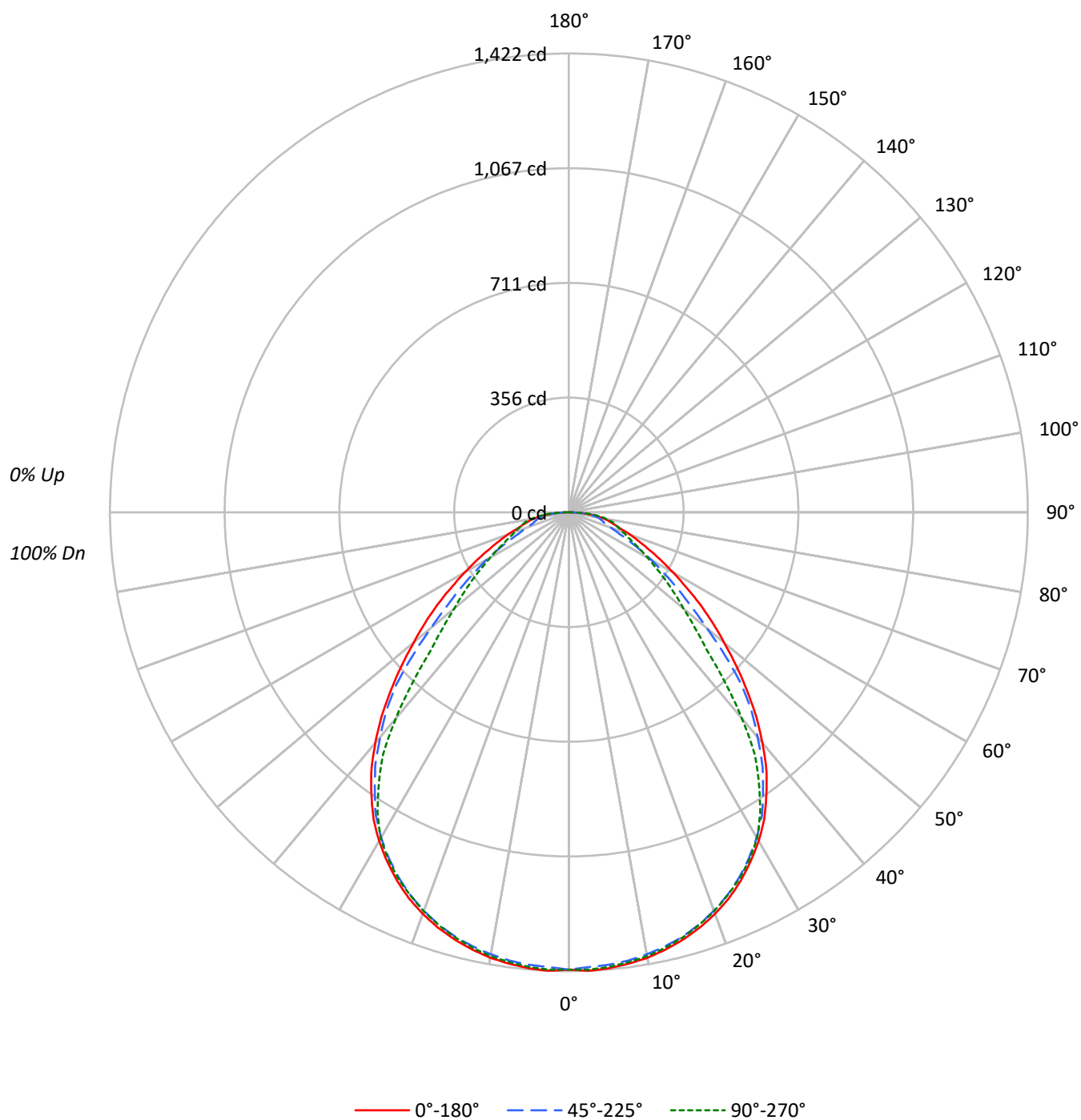
Input Watts (W): 26.412
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	110	106	102	98	107	103	100	97	99	96	94		95	93	91		86
2	101	94	88	82	99	92	86	82	88	84	80		85	81	78		74
3	93	84	76	70	91	82	75	70	79	73	69		77	72	67		64
4	86	75	67	61	84	74	66	61	71	65	60		69	64	59		56
5	80	68	60	54	78	67	59	53	65	58	53		63	57	52		50
6	74	62	54	48	72	61	53	47	59	52	47		58	51	47		44
7	69	56	48	43	67	56	48	42	54	47	42		53	47	42		40
8	65	52	44	38	63	51	44	38	50	43	38		49	42	38		36
9	60	48	40	35	59	47	40	35	46	39	35		45	39	34		33
10	57	44	37	32	56	44	37	32	43	36	32		42	36	32		30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3813	3813	3813
5°	3831	3802	3820
10°	3830	3801	3816
15°	3817	3793	3799
20°	3792	3763	3767
25°	3741	3706	3717
30°	3655	3615	3624
35°	3505	3445	3372
40°	3277	3196	2933
45°	2966	2881	2300
50°	2624	2331	1939
55°	2322	1916	1710
60°	2004	1586	1516
65°	1743	1261	1394
70°	1576	1083	1394
75°	1513	1131	1557
80°	1686	1440	1819
85°	1778	1535	2180



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	4.3
10°-20°	385.2	12.4
20°-30°	576.4	18.6
30°-40°	652.5	21.0
40°-50°	555.8	17.9
50°-60°	376.3	12.1
60°-70°	224.7	7.2
70°-80°	140.4	4.5
80°-90°	59.3	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°	1096.0	35.3
0°-40°	1748.5	56.3
0°-60°	2680.6	86.3
0°-90°	3105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3105.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1417	1417	1417	1417	1417	
5°	1418	1415	1408	1416	1414	135
15°	1370	1365	1361	1370	1364	386
25°	1260	1256	1248	1254	1252	579
35°	1067	1060	1049	1038	1026	665
45°	779	782	757	645	604	601
55°	495	468	408	364	364	443
65°	274	228	198	212	219	276
75°	146	130	109	143	150	157
85°	58	53	50	63	71	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1416.9	1416.9	1416.9	1416.9	1416.9
2.5°	1422.0	1418.3	1410.4	1419.8	1418.3
5°	1418.3	1414.7	1407.5	1416.2	1414.0
7.5°	1411.1	1407.5	1401.1	1409.7	1406.1
10°	1401.8	1397.5	1391.0	1400.3	1396.7
12.5°	1387.4	1383.1	1377.3	1386.7	1381.6
15°	1370.1	1365.0	1361.4	1370.1	1363.6
17.5°	1349.2	1344.9	1339.8	1348.5	1341.3
20°	1324.0	1320.4	1313.9	1318.9	1315.3
22.5°	1295.2	1290.1	1283.6	1289.4	1284.4
25°	1259.9	1256.3	1248.3	1254.1	1252.0
27.5°	1219.5	1217.4	1208.0	1215.2	1211.6
30°	1176.3	1170.6	1163.3	1165.5	1166.2
32.5°	1126.6	1119.4	1113.6	1108.6	1103.6
35°	1066.8	1060.3	1048.8	1038.0	1026.5
37.5°	1004.9	996.2	984.7	960.9	946.5
40°	932.8	928.5	909.8	876.7	834.9
42.5°	859.4	855.0	838.5	764.3	718.9
45°	779.4	781.6	757.1	645.4	604.4
47.5°	703.1	708.8	655.5	551.1	529.5
50°	626.7	633.2	556.8	476.1	463.2
52.5°	559.7	554.7	474.7	417.8	412.0
55°	494.9	467.5	408.4	364.5	364.5
57.5°	428.6	389.7	347.2	319.1	319.1
60°	372.4	324.2	294.6	275.9	281.7
62.5°	320.6	269.4	244.2	240.6	247.8
65°	273.7	228.3	198.1	211.8	219.0
67.5°	235.6	195.2	162.8	191.6	195.9
70°	200.3	170.0	137.6	176.5	177.2
72.5°	167.8	149.8	118.1	159.9	162.8
75°	145.5	130.4	108.8	142.6	149.8
77.5°	127.5	111.7	100.1	123.2	136.9
80°	108.8	91.5	92.9	103.7	117.4
82.5°	83.6	70.6	73.5	85.0	95.8
85°	57.6	53.3	49.7	62.7	70.6
87.5°	31.0	28.8	25.2	35.3	36.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)