

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: P291305

Luminaire Tested: **14GR-LD5-32-A125-UNV-L92765-W2A1-U-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P291305
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-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: 2592.0 lumens
Efficiency: N/A
Efficacy: 101.3 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

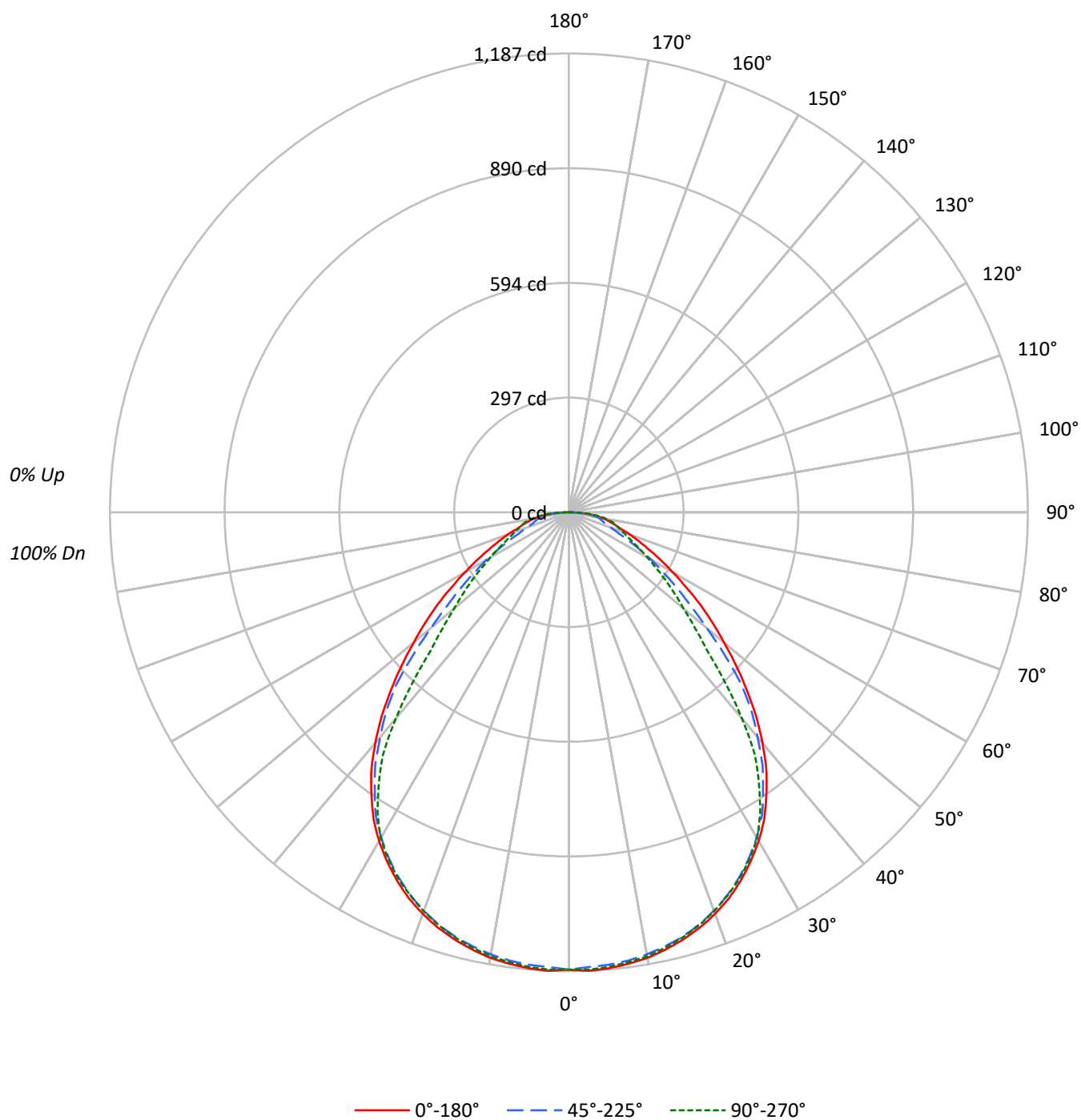
Input Watts (W): 25.575
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		51
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°	3183	3183	3183
5°	3198	3174	3189
10°	3198	3173	3186
15°	3186	3166	3171
20°	3165	3141	3144
25°	3123	3094	3103
30°	3051	3017	3025
35°	2926	2876	2815
40°	2735	2668	2448
45°	2476	2405	1920
50°	2190	1946	1619
55°	1938	1600	1428
60°	1673	1323	1265
65°	1455	1053	1164
70°	1316	904	1164
75°	1263	944	1301
80°	1407	1203	1519
85°	1485	1281	1819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	4.3
10°-20°	321.5	12.4
20°-30°	481.2	18.6
30°-40°	544.7	21.0
40°-50°	464.0	17.9
50°-60°	314.2	12.1
60°-70°	187.6	7.2
70°-80°	117.2	4.5
80°-90°	49.5	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°	914.9	35.3
0°-40°	1459.6	56.3
0°-60°	2237.7	86.3
0°-90°	2592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1183	1183	1183	1183	1183	
5°	1184	1181	1175	1182	1180	113
15°	1144	1140	1136	1144	1138	323
25°	1052	1049	1042	1047	1045	484
35°	891	885	876	866	857	555
45°	651	652	632	539	504	502
55°	413	390	341	304	304	369
65°	228	191	165	177	183	230
75°	122	109	91	119	125	131
85°	48	44	42	52	59	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1182.8	1182.8	1182.8	1182.8	1182.8
2.5°	1187.0	1184.0	1177.4	1185.2	1184.0
5°	1184.0	1181.0	1175.0	1182.2	1180.4
7.5°	1178.0	1175.0	1169.6	1176.8	1173.8
10°	1170.2	1166.6	1161.2	1169.0	1166.0
12.5°	1158.2	1154.5	1149.7	1157.6	1153.3
15°	1143.7	1139.5	1136.5	1143.7	1138.3
17.5°	1126.3	1122.7	1118.5	1125.7	1119.7
20°	1105.2	1102.2	1096.8	1101.0	1098.0
22.5°	1081.2	1077.0	1071.6	1076.4	1072.2
25°	1051.7	1048.7	1042.1	1046.9	1045.1
27.5°	1018.0	1016.2	1008.4	1014.4	1011.4
30°	982.0	977.2	971.1	972.9	973.5
32.5°	940.5	934.5	929.7	925.4	921.2
35°	890.6	885.2	875.5	866.5	856.9
37.5°	838.9	831.6	822.0	802.2	790.1
40°	778.7	775.1	759.5	731.8	696.9
42.5°	717.4	713.8	699.9	638.0	600.1
45°	650.6	652.4	632.0	538.8	504.5
47.5°	586.9	591.7	547.2	460.0	442.0
50°	523.2	528.6	464.8	397.5	386.7
52.5°	467.2	463.0	396.3	348.8	344.0
55°	413.1	390.3	341.0	304.3	304.3
57.5°	357.8	325.3	289.8	266.4	266.4
60°	310.9	270.6	245.9	230.3	235.1
62.5°	267.6	224.9	203.9	200.8	206.9
65°	228.5	190.6	165.4	176.8	182.8
67.5°	196.6	163.0	135.9	160.0	163.6
70°	167.2	141.9	114.9	147.3	147.9
72.5°	140.1	125.1	98.6	133.5	135.9
75°	121.5	108.8	90.8	119.1	125.1
77.5°	106.4	93.2	83.6	102.8	114.3
80°	90.8	76.4	77.6	86.6	98.0
82.5°	69.8	58.9	61.3	71.0	80.0
85°	48.1	44.5	41.5	52.3	58.9
87.5°	25.9	24.1	21.0	29.5	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)