

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: P225792

Luminaire Tested: **22GR-LD5-32-A-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P225792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33296)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22GR-LD5-32-A-UNV-L950-CD1-U
Description: METALUX GR 2X2 LED TROFFER WITH A LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3014.8 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.25
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

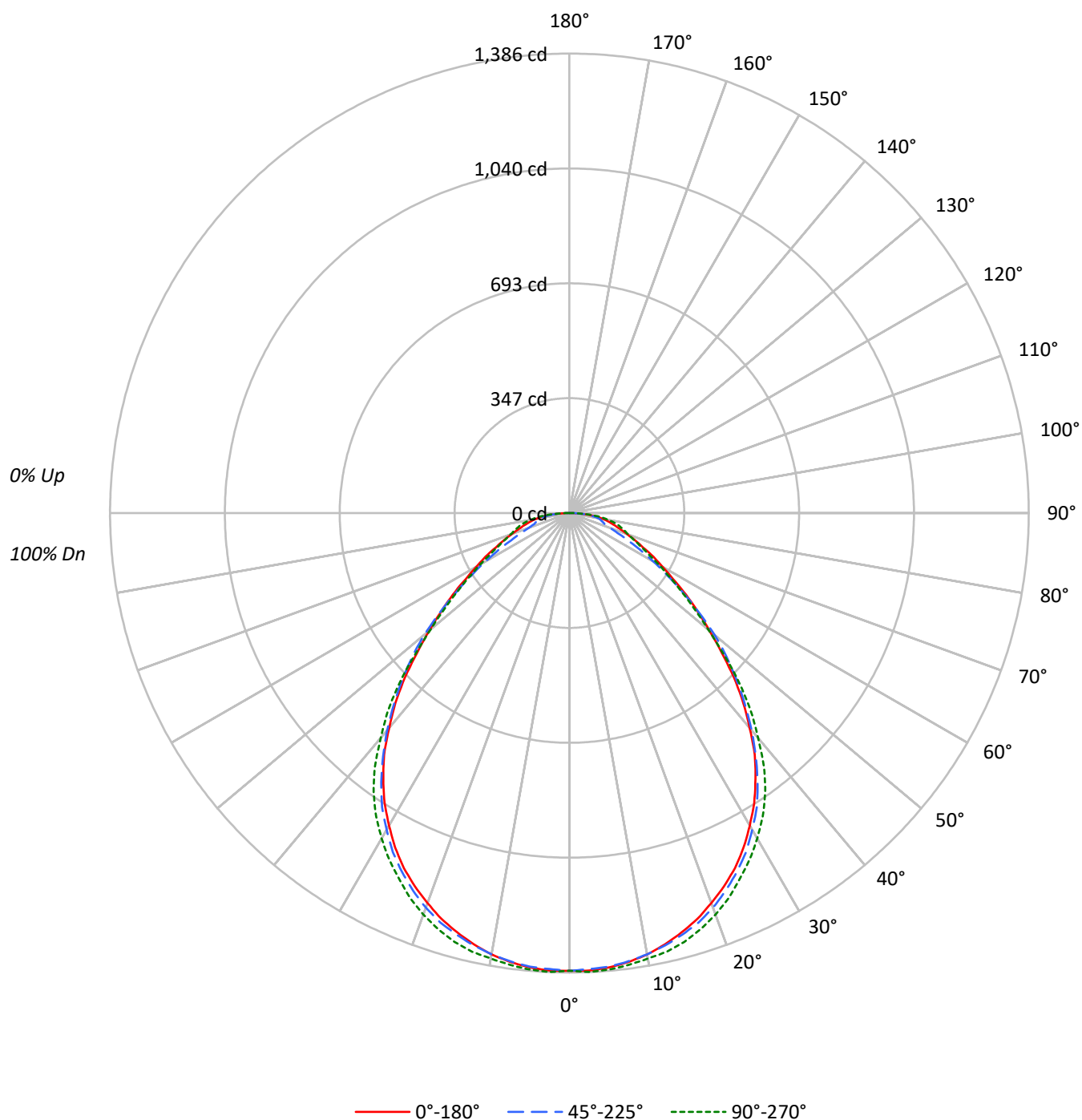
Input Watts (W): 29.95
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64		
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56		
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49		
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44		
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39		
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36		
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32		
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4422	4422	4422
5°	4422	4416	4443
10°	4396	4394	4437
15°	4340	4363	4440
20°	4265	4316	4392
25°	4175	4222	4299
30°	4024	4078	4190
35°	3826	3870	4026
40°	3537	3575	3701
45°	3178	3235	3286
50°	2748	2845	2719
55°	2397	2334	2303
60°	2076	1869	1995
65°	1856	1467	1791
70°	1721	1215	1767
75°	1719	1284	1961
80°	1901	1617	2211
85°	1988	1753	2502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	4.3
10°-20°	372.1	12.3
20°-30°	550.4	18.3
30°-40°	621.1	20.6
40°-50°	547.5	18.2
50°-60°	375.6	12.5
60°-70°	221.6	7.4
70°-80°	138.3	4.6
80°-90°	57.7	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°	1053.1	34.9
0°-40°	1674.2	55.5
0°-60°	2597.2	86.1
0°-90°	3014.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3014.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1381	1381	1381	1381	1381	
5°	1376	1373	1374	1379	1382	131
15°	1309	1310	1316	1332	1339	369
25°	1182	1186	1195	1210	1216	543
35°	979	987	990	1014	1030	610
45°	702	705	714	718	726	539
55°	429	419	418	404	412	385
65°	245	215	194	224	236	247
75°	139	125	104	145	158	149
85°	54	50	48	62	68	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1380.7	1380.7	1380.7	1380.7	1380.7
2.5°	1381.4	1377.9	1376.5	1382.1	1385.6
5°	1375.7	1373.0	1373.6	1378.6	1382.1
7.5°	1365.9	1363.8	1363.8	1370.8	1374.4
10°	1351.9	1351.3	1351.3	1359.6	1364.5
12.5°	1332.2	1333.0	1335.8	1347.0	1355.4
15°	1309.1	1310.5	1316.1	1332.2	1339.2
17.5°	1283.8	1283.8	1295.1	1307.8	1316.1
20°	1251.6	1253.7	1266.4	1280.4	1288.7
22.5°	1218.6	1222.1	1232.7	1248.8	1256.5
25°	1181.5	1185.6	1194.7	1210.2	1216.5
27.5°	1138.0	1143.6	1153.3	1164.6	1177.9
30°	1088.1	1096.6	1102.8	1118.3	1133.0
32.5°	1037.6	1045.3	1052.3	1068.5	1085.4
35°	978.7	987.1	989.9	1013.7	1029.9
37.5°	918.4	921.8	923.3	947.1	964.7
40°	846.1	853.1	855.2	874.1	885.3
42.5°	776.6	779.4	783.7	797.7	811.0
45°	701.6	705.1	714.2	718.4	725.5
47.5°	623.0	633.5	644.0	630.7	631.4
50°	551.5	559.8	571.1	545.8	545.8
52.5°	487.6	491.8	492.5	471.5	475.7
55°	429.3	418.9	418.1	404.1	412.5
57.5°	371.1	357.1	352.2	348.0	357.8
60°	324.1	298.8	291.8	298.2	311.5
62.5°	285.6	253.3	240.0	256.1	268.0
65°	244.9	215.4	193.6	223.8	236.4
67.5°	213.3	185.2	157.2	199.9	209.0
70°	183.8	162.1	129.8	181.7	188.7
72.5°	160.0	143.1	112.3	164.2	172.6
75°	138.9	124.9	103.8	145.2	158.5
77.5°	122.0	106.7	96.8	125.6	141.7
80°	103.1	87.7	87.7	105.2	119.9
82.5°	81.4	68.8	70.9	85.6	96.1
85°	54.1	50.5	47.7	62.4	68.1
87.5°	27.4	28.0	25.3	32.3	32.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)