

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: P233264

Luminaire Tested: **2VRVT3-LD5-4-G-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1709-268-12)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2VRVT3-LD5-4-G-UNV-L850-CD1-U
Description: 2FT VRVT3 GENRAL APPLICATION, 4000LM
Light Source: (196) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4366.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.26 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 2' x H: 1.04')
CIE Type: Direct

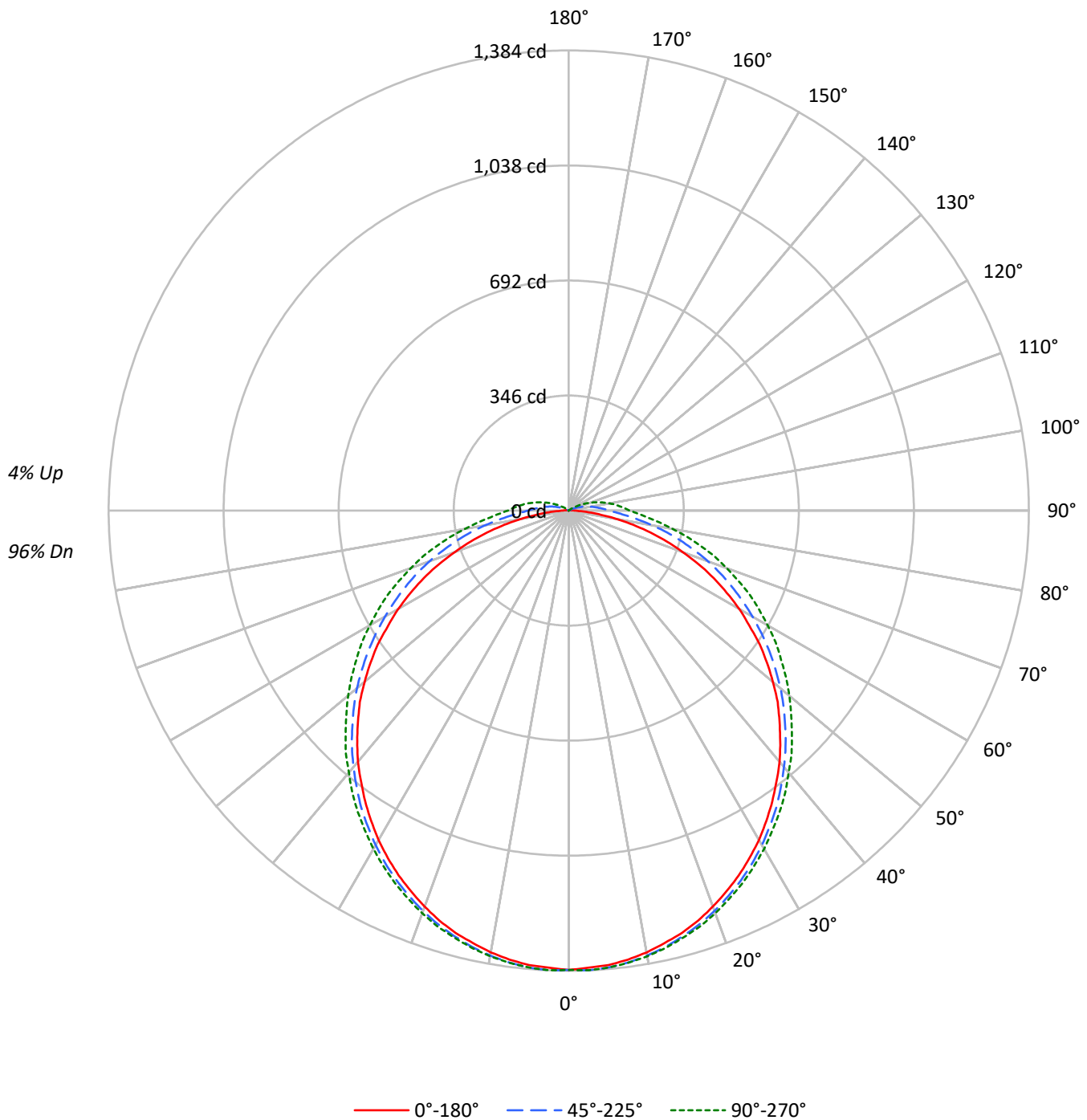
Input Watts (W): 32.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	107	101	97	92	103	99	94	90	94	90	87	89	86	83	85	82	80
2	96	88	80	74	93	85	79	73	81	76	71	77	73	69	74	70	66
3	88	77	68	61	85	75	67	60	71	64	59	68	62	57	65	60	56
4	80	68	59	52	77	66	58	51	63	56	50	60	54	49	58	52	48
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	52	46	41
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36
7	63	49	40	34	61	48	40	34	46	39	33	44	38	33	43	37	32
8	59	45	36	30	57	44	36	30	42	35	30	41	34	29	39	33	29
9	55	41	33	27	53	40	32	27	39	32	27	37	31	26	36	30	26
10	51	38	30	24	50	37	30	24	36	29	24	35	28	24	34	28	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17846	17846	17846
5°	17013	15069	14675
10°	16209	12948	12390
15°	15430	11274	10650
20°	14646	9910	9277
25°	13881	8758	8136
30°	13116	7761	7172
35°	12333	6880	6341
40°	11578	6081	5599
45°	10766	5365	4953
50°	9939	4714	4374
55°	9059	4092	3838
60°	8052	3507	3348
65°	6945	2964	2890
70°	5650	2449	2422
75°	4304	1933	1980
80°	2814	1446	1550
85°	1285	1010	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.8	3.0
10°-20°	373.6	8.6
20°-30°	564.4	12.9
30°-40°	680.3	15.6
40°-50°	711.7	16.3
50°-60°	659.9	15.1
60°-70°	535.3	12.3
70°-80°	359.8	8.2
80°-90°	184.4	4.2
90°-100°	95.3	2.2
100°-110°	49.5	1.1
110°-120°	18.3	0.4
120°-130°	2.5	0.1
130°-140°	0.1	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°	1068.9	24.5
0°-40°	1749.2	40.1
0°-60°	3120.8	71.5
0°-90°	4200.4	96.2
90°-120°	163.1	3.7
90°-150°	165.7	3.8
90°-180°	166.0	3.8
0°-180°	4366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1382	1382	1382	1382	1382	
5°	1372	1374	1379	1380	1379	130
15°	1315	1319	1326	1330	1330	371
25°	1210	1215	1227	1234	1236	558
35°	1067	1074	1089	1100	1106	668
45°	896	903	921	940	949	692
55°	702	709	736	767	779	625
65°	481	498	541	585	602	475
75°	254	287	348	393	410	269
85°	60	111	173	221	237	68
90°	17	61	122	167	183	11
95°	11	36	92	137	153	8
105°	5	8	45	82	96	6
115°	2	2	11	34	44	2
125°	1	0	0	3	8	1
135°	1	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1381.6	1381.6	1381.6	1381.6	1381.6
2.5°	1376.2	1378.3	1383.7	1384.8	1383.7
5°	1371.9	1374.0	1379.4	1380.5	1379.4
7.5°	1362.2	1365.4	1370.8	1373.0	1371.9
10°	1349.3	1352.5	1359.0	1361.1	1361.1
12.5°	1332.1	1336.4	1343.9	1346.1	1347.1
15°	1314.9	1319.2	1325.6	1329.9	1329.9
17.5°	1293.3	1296.6	1305.2	1310.5	1311.6
20°	1267.5	1271.8	1281.5	1288.0	1289.0
22.5°	1239.5	1244.9	1254.6	1262.1	1263.2
25°	1210.5	1214.8	1226.6	1234.2	1236.3
27.5°	1178.2	1182.5	1195.4	1202.9	1206.2
30°	1143.8	1149.1	1162.1	1172.8	1175.0
32.5°	1106.1	1112.6	1125.5	1136.2	1140.5
35°	1067.4	1073.8	1088.9	1099.7	1106.1
37.5°	1026.5	1032.9	1048.0	1063.1	1069.5
40°	986.7	992.1	1007.1	1022.2	1028.6
42.5°	941.5	949.0	965.2	983.4	992.1
45°	896.3	902.7	921.0	940.4	949.0
47.5°	852.2	858.6	876.9	897.4	907.1
50°	801.6	808.1	831.7	855.4	866.2
52.5°	751.0	758.6	783.3	812.4	823.1
55°	701.5	709.1	736.0	767.2	779.0
57.5°	643.4	658.5	687.6	722.0	738.1
60°	592.9	604.7	638.1	675.7	690.8
62.5°	535.8	550.9	589.6	630.5	645.6
65°	481.0	498.2	541.2	585.3	601.5
67.5°	423.9	442.2	493.9	538.0	552.0
70°	363.7	390.6	445.5	488.5	504.6
72.5°	309.9	337.9	394.9	440.1	460.5
75°	253.9	287.3	347.5	392.7	409.9
77.5°	198.0	237.8	302.4	345.4	364.8
80°	149.6	191.5	255.0	300.2	316.3
82.5°	99.0	148.5	212.0	258.2	275.5
85°	60.3	110.8	173.2	220.6	236.7
87.5°	30.1	80.7	144.2	189.4	207.7
90°	17.2	61.3	121.6	166.8	182.9
92.5°	14.0	47.3	106.5	150.6	167.9
95°	10.8	35.5	91.5	136.6	152.8
97.5°	8.6	25.8	79.6	122.7	138.8
100°	7.5	18.3	66.7	108.7	124.8
102.5°	6.5	11.8	56.0	94.7	109.8
105°	5.4	7.5	45.2	81.8	95.8
107.5°	4.3	4.3	34.4	68.9	81.8
110°	3.2	3.2	24.7	56.0	69.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	3.2	17.2	45.2	56.0
115°	2.2	2.2	10.8	34.4	44.1
117.5°	2.2	2.2	5.4	24.7	33.4
120°	1.1	1.1	2.2	16.1	23.7
122.5°	1.1	1.1	1.1	8.6	15.1
125°	1.1	0.0	0.0	3.2	7.5
127.5°	0.0	0.0	0.0	0.0	2.2
130°	0.0	0.0	0.0	0.0	0.0
132.5°	1.1	0.0	0.0	0.0	0.0
135°	1.1	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)