

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: P233261

Luminaire Tested: **2VT3-LD5-3-G-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233261
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: 2VT3-LD5-3-G-UNV-L850-CD1-U
Description: 2FT VT3 GENRAL APPLICATION, 3000LM
Light Source: (196) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

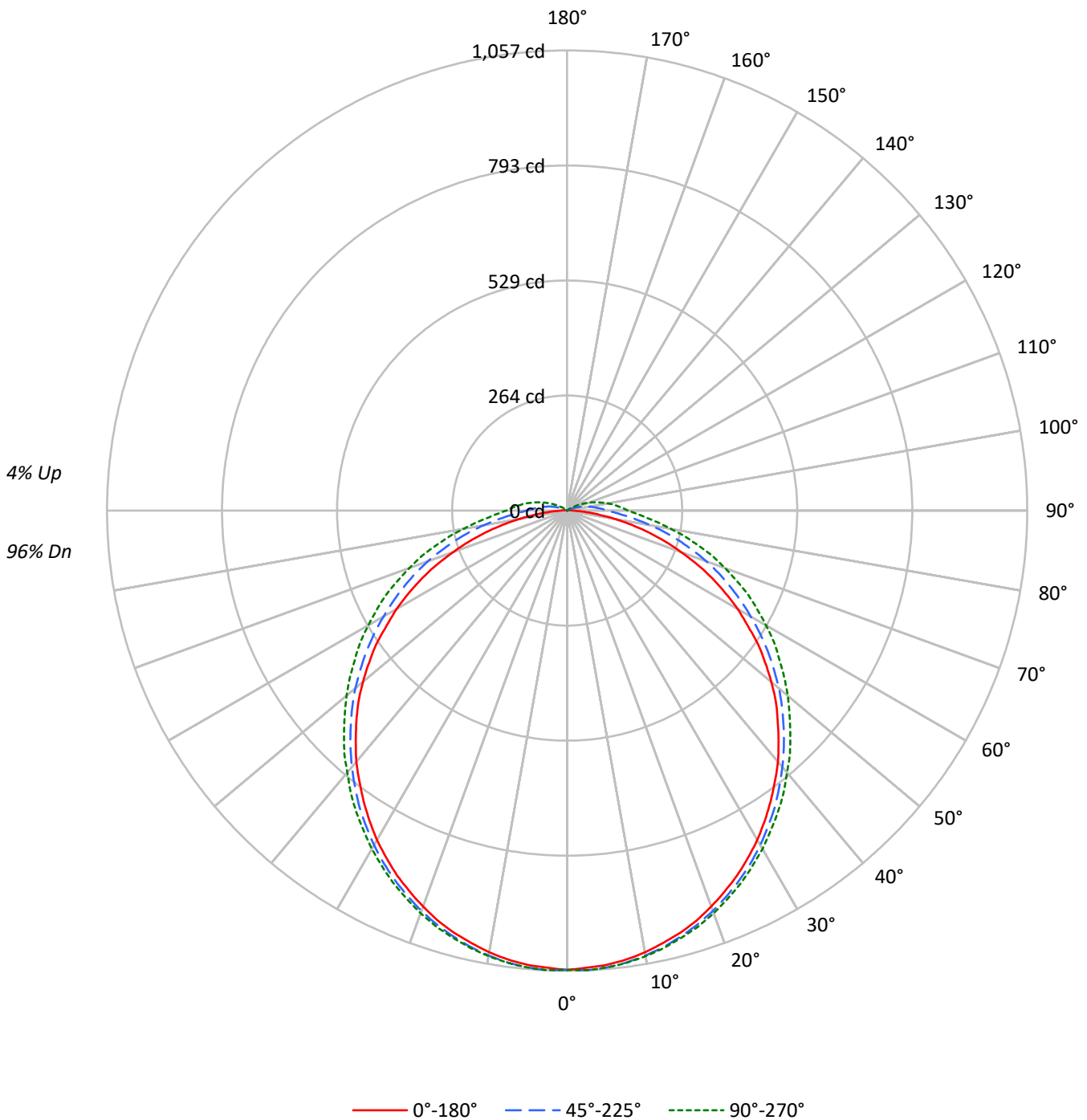
Lumens per Lamp: N/A
Luminaire Lumens: 3334.0 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.26 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 2' x H: 1.04')
CIE Type: Direct

Input Watts (W): 23.92
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	101	97	92	103	99	94	90	94	90	87	89	86	83	85	82	80	78
2	96	88	80	74	93	85	79	73	81	76	71	77	73	69	74	70	66	64
3	88	77	68	61	85	75	67	60	71	64	59	68	62	57	65	60	56	53
4	80	68	59	52	77	66	58	51	63	56	50	60	54	49	58	52	48	45
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	52	46	41	39
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	30	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	24	50	37	30	24	36	29	24	35	28	24	34	28	23	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13627	13627	13627
5°	12991	11508	11207
10°	12377	9887	9462
15°	11783	8609	8133
20°	11184	7568	7084
25°	10600	6688	6213
30°	10015	5927	5477
35°	9418	5254	4843
40°	8841	4644	4276
45°	8220	4097	3782
50°	7589	3599	3340
55°	6918	3124	2931
60°	6148	2678	2557
65°	5303	2263	2207
70°	4314	1870	1850
75°	3287	1476	1512
80°	2148	1104	1184
85°	980	771	906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	3.0
10°-20°	285.3	8.6
20°-30°	431.0	12.9
30°-40°	519.5	15.6
40°-50°	543.5	16.3
50°-60°	503.9	15.1
60°-70°	408.8	12.3
70°-80°	274.8	8.2
80°-90°	140.8	4.2
90°-100°	72.8	2.2
100°-110°	37.8	1.1
110°-120°	13.9	0.4
120°-130°	1.9	0.1
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°	816.2	24.5
0°-40°	1335.7	40.1
0°-60°	2383.1	71.5
0°-90°	3207.5	96.2
90°-120°	124.5	3.7
90°-150°	126.5	3.8
90°-180°	126.0	3.8
0°-180°	3334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1055	1055	1055	1055	1055	
5°	1048	1049	1053	1054	1053	99
15°	1004	1007	1012	1016	1016	283
25°	924	928	937	942	944	426
35°	815	820	832	840	845	510
45°	684	689	703	718	725	528
55°	536	542	562	586	595	477
65°	367	380	413	447	459	363
75°	194	219	265	300	313	205
85°	46	85	132	168	181	52
90°	13	47	93	127	140	8
95°	8	27	70	104	117	6
105°	4	6	34	62	73	4
115°	2	2	8	26	34	2
125°	1	0	0	2	6	0
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°	1055.0	1055.0	1055.0	1055.0	1055.0
2.5°	1050.9	1052.5	1056.6	1057.5	1056.6
5°	1047.6	1049.2	1053.4	1054.2	1053.4
7.5°	1040.2	1042.7	1046.8	1048.4	1047.6
10°	1030.3	1032.8	1037.7	1039.4	1039.4
12.5°	1017.2	1020.5	1026.2	1027.9	1028.7
15°	1004.1	1007.3	1012.3	1015.6	1015.6
17.5°	987.6	990.1	996.7	1000.8	1001.6
20°	967.9	971.2	978.6	983.5	984.3
22.5°	946.5	950.6	958.0	963.8	964.6
25°	924.4	927.6	936.7	942.4	944.1
27.5°	899.7	903.0	912.9	918.6	921.1
30°	873.4	877.5	887.4	895.6	897.2
32.5°	844.7	849.6	859.4	867.7	870.9
35°	815.1	820.0	831.5	839.7	844.7
37.5°	783.9	788.8	800.3	811.8	816.7
40°	753.5	757.6	769.1	780.6	785.5
42.5°	718.9	724.7	737.0	751.0	757.6
45°	684.4	689.4	703.3	718.1	724.7
47.5°	650.7	655.7	669.6	685.3	692.7
50°	612.1	617.1	635.1	653.2	661.4
52.5°	573.5	579.3	598.2	620.3	628.6
55°	535.7	541.5	562.0	585.8	594.9
57.5°	491.3	502.9	525.0	551.3	563.7
60°	452.7	461.8	487.2	516.0	527.5
62.5°	409.2	420.7	450.3	481.5	493.0
65°	367.3	380.4	413.3	447.0	459.3
67.5°	323.7	337.7	377.1	410.8	421.5
70°	277.7	298.3	340.2	373.0	385.4
72.5°	236.6	258.0	301.5	336.1	351.7
75°	193.9	219.4	265.4	299.9	313.0
77.5°	151.2	181.6	230.9	263.7	278.5
80°	114.2	146.3	194.7	229.2	241.6
82.5°	75.6	113.4	161.9	197.2	210.3
85°	46.0	84.6	132.3	168.4	180.8
87.5°	23.0	61.6	110.1	144.6	158.6
90°	13.1	46.8	92.8	127.4	139.7
92.5°	10.7	36.2	81.3	115.0	128.2
95°	8.2	27.1	69.8	104.3	116.7
97.5°	6.6	19.7	60.8	93.7	106.0
100°	5.8	14.0	50.9	83.0	95.3
102.5°	4.9	9.0	42.7	72.3	83.8
105°	4.1	5.8	34.5	62.4	73.1
107.5°	3.3	3.3	26.3	52.6	62.4
110°	2.5	2.5	18.9	42.7	53.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.5	13.1	34.5	42.7
115°	1.6	1.6	8.2	26.3	33.7
117.5°	1.6	1.6	4.1	18.9	25.5
120°	0.8	0.8	1.6	12.3	18.1
122.5°	0.8	0.8	0.8	6.6	11.5
125°	0.8	0.0	0.0	2.5	5.8
127.5°	0.0	0.0	0.0	0.0	1.6
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.8	0.0	0.0	0.0	0.0
135°	0.8	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)