

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: P233289

Luminaire Tested: **4VT3-LD5-8-G-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233289  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1709-268-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4VT3-LD5-8-G-UNV-L835-CD1-U  
Description: 4FT VT3 GENERAL APPLICATION, 8000LM  
Light Source: (392) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

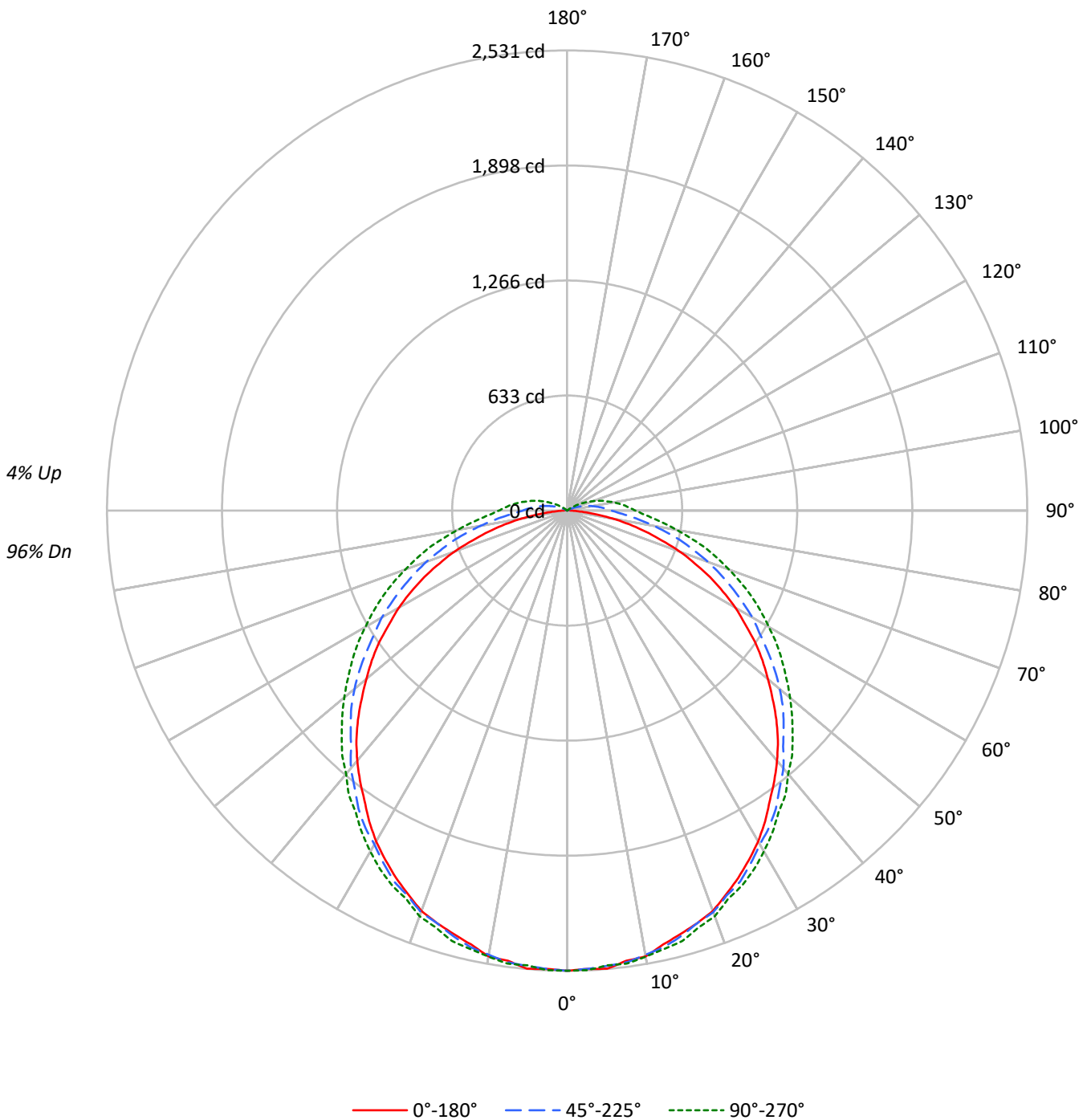
Lumens per Lamp: N/A  
Luminaire Lumens: 8081.0 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 1.04')  
CIE Type: Direct

Input Watts (W): 67.1  
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	103	103	103	98	98	98	96
1	106	101	96	92	103	98	94	90	93	90	86	89	86	83	84	82	80	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	85	74	66	60	71	64	58	67	62	57	64	59	55	53
4	80	67	58	51	77	66	57	51	63	55	50	60	54	48	57	52	47	45
5	73	60	51	44	71	59	50	44	56	48	43	54	47	42	51	46	41	39
6	68	54	45	38	65	53	44	38	51	43	37	48	42	37	46	41	36	34
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	57	44	35	30	42	35	29	40	34	29	39	33	28	26
9	55	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	33	28	23	21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16346	16346	16346
5°	16030	13921	13357
10°	15612	12104	11338
15°	15069	10637	9814
20°	14709	9447	8543
25°	14158	8397	7489
30°	13620	7433	6608
35°	12963	6666	5810
40°	12426	5916	5147
45°	11790	5207	4575
50°	11057	4613	4042
55°	10358	3998	3558
60°	9525	3470	3107
65°	8501	2938	2691
70°	7265	2445	2273
75°	5657	1964	1891
80°	3829	1488	1500
85°	1696	1078	1183



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.1	3.0
10°-20°	683.8	8.5
20°-30°	1035.6	12.8
30°-40°	1248.0	15.4
40°-50°	1303.4	16.1
50°-60°	1210.3	15.0
60°-70°	987.2	12.2
70°-80°	670.6	8.3
80°-90°	356.0	4.4
90°-100°	194.6	2.4
100°-110°	104.3	1.3
110°-120°	40.9	0.5
120°-130°	7.0	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°	1958.6	24.2
0°-40°	3206.6	39.7
0°-60°	5720.3	70.8
0°-90°	7734.2	95.7
90°-120°	339.8	4.2
90°-150°	346.8	4.3
90°-180°	347.0	4.3
0°-180°	8081.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2531	2531	2531	2531	2531	
5°	2529	2499	2514	2523	2511	239
15°	2411	2420	2423	2426	2451	682
25°	2228	2234	2251	2258	2276	1027
35°	1944	1964	2001	2028	2027	1220
45°	1627	1649	1683	1731	1753	1254
55°	1262	1297	1345	1416	1444	1125
65°	867	909	997	1089	1120	856
75°	447	522	652	745	783	474
85°	91	204	339	438	472	110
90°	22	116	244	342	375	14
95°	14	69	190	282	319	11
105°	7	13	95	174	206	7
115°	3	2	26	79	101	3
125°	1	0	0	14	24	1
135°	0	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°	2531	2531	2531	2531	2531
2.5°	2523	2542	2523	2521	2530
5°	2529	2499	2514	2523	2511
7.5°	2497	2511	2506	2496	2513
10°	2490	2470	2481	2477	2491
12.5°	2444	2441	2459	2450	2469
15°	2411	2420	2423	2426	2451
17.5°	2379	2384	2379	2388	2404
20°	2343	2328	2351	2357	2374
22.5°	2285	2287	2292	2315	2312
25°	2228	2234	2251	2258	2276
27.5°	2166	2164	2187	2207	2225
30°	2101	2109	2120	2161	2165
32.5°	2027	2033	2067	2090	2101
35°	1944	1964	2001	2028	2027
37.5°	1872	1891	1920	1953	1972
40°	1796	1812	1851	1882	1891
42.5°	1716	1730	1759	1805	1831
45°	1627	1649	1683	1731	1753
47.5°	1533	1567	1611	1651	1678
50°	1442	1476	1527	1574	1601
52.5°	1354	1387	1439	1499	1521
55°	1262	1297	1345	1416	1444
57.5°	1158	1198	1255	1345	1367
60°	1070	1099	1177	1258	1282
62.5°	967	1013	1086	1178	1202
65°	867	909	997	1089	1120
67.5°	760	811	909	1001	1034
70°	660	713	824	915	947
72.5°	545	617	733	834	865
75°	447	522	652	745	783
77.5°	349	437	567	661	692
80°	255	350	483	586	612
82.5°	163	274	408	506	536
85°	91	204	339	438	472
87.5°	44	153	283	384	415
90°	22	116	244	342	375
92.5°	17	92	217	312	343
95°	14	69	190	282	319
97.5°	12	52	165	257	288
100°	9	35	140	228	261
102.5°	8	23	118	201	229
105°	7	13	95	174	206
107.5°	5	7	75	150	179
110°	4	5	57	124	152



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4	4	40	101	125
115°	3	2	26	79	101
117.5°	2	2	14	59	79
120°	1	1	5	40	58
122.5°	1	1	1	26	39
125°	1	0	0	14	24
127.5°	1	0	0	3	11
130°	1	0	0	0	2
132.5°	0	0	0	0	0
135°	0	0	0	0	0
137.5°	0	0	0	0	0
140°	0	0	0	0	0
142.5°	0	0	0	0	0
145°	0	0	0	0	0
147.5°	0	0	0	0	0
150°	0	0	0	0	0
152.5°	0	0	0	0	0
155°	0	0	0	0	0
157.5°	0	0	0	0	0
160°	0	0	0	0	0
162.5°	0	0	0	0	0
165°	0	0	0	0	0
167.5°	0	0	0	0	0
170°	0	0	0	0	0
172.5°	0	0	0	0	0
175°	0	0	0	0	0
177.5°	0	0	0	0	0
180°	0	0	0	0	0

(END OF REPORT)