

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: STREETWORKS

Report Number: G2-16-1017-2

Luminaire Tested: **UFLD-S-C15-X-U-66**

Test Date: 05/17/16

Test Information

Test Method: LM-79-08
Report Number: G2-16-1017-2
Test Lab: INNOVATION CENTER(G2)
Test Date: 05/17/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-S-C15-X-U-66
Description: LOW WATTAGE LED FLOODLIGHT
Light Source: (1) CITIZEN 4000 70
CLU038-1208C4-40AL7K3
Ballast/Driver: (1) XENERQI ELECTRONIC DRIVER
XEL-A050A-042-C1X20

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5943.5 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: (L: 0 ' x W: 0.46 ' x H: 0.33 '
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

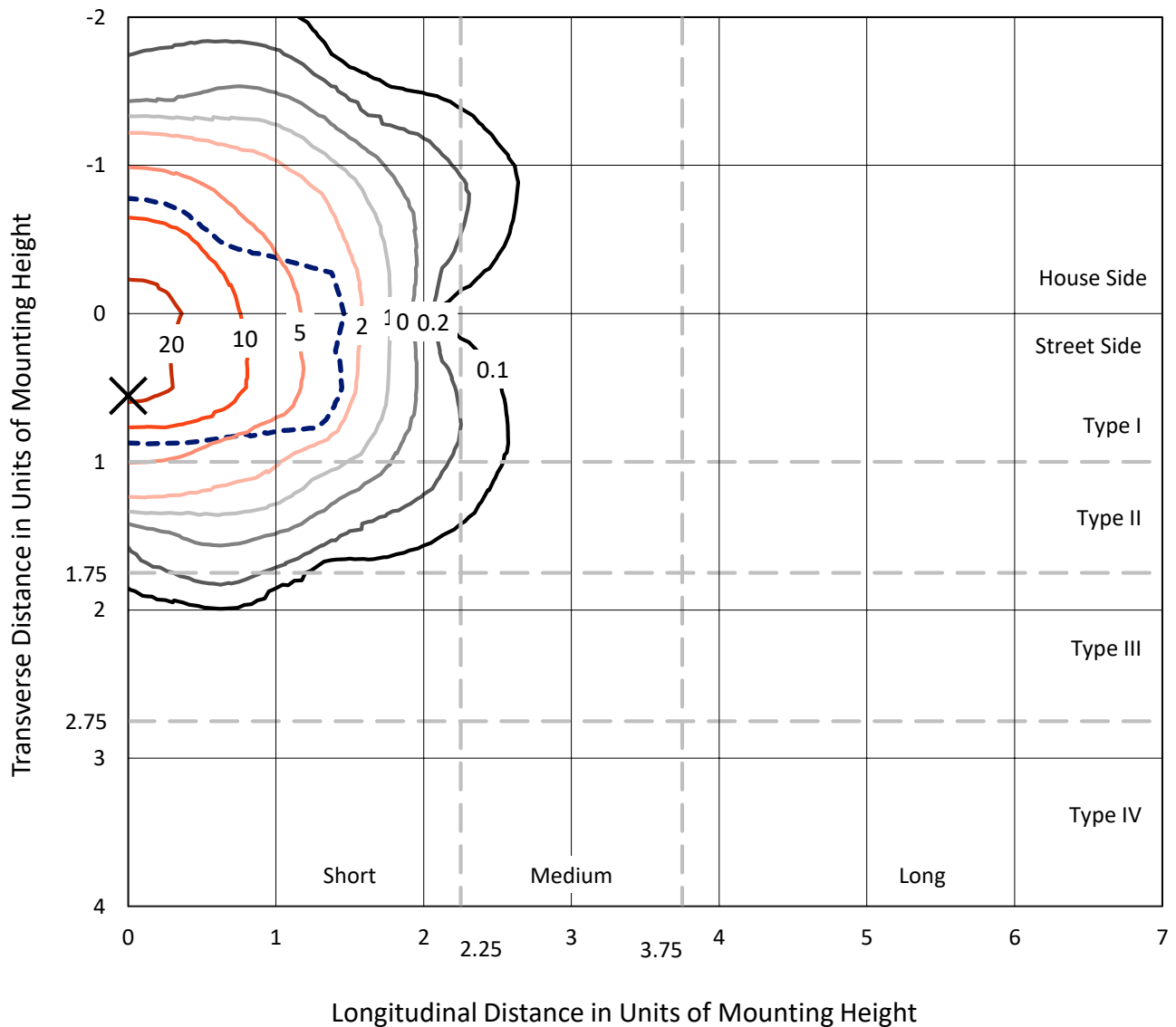
Input Watts (W): 51.2
Input Voltage (V): 120.0
Input Current (Ain): 0.427
Voltage Rise (V): NR
Power Factor: 0.9995
Total Harmonic Distortion (THDi): 4.69%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 24.3
Test Distance: 28.75 FT



REPORT NUMBER: G2-16-1017-2
 CATALOG NUMBER: UFLD-S-C15-X-U-66

Iso-Footcandle Lines of Horizontal Illumination

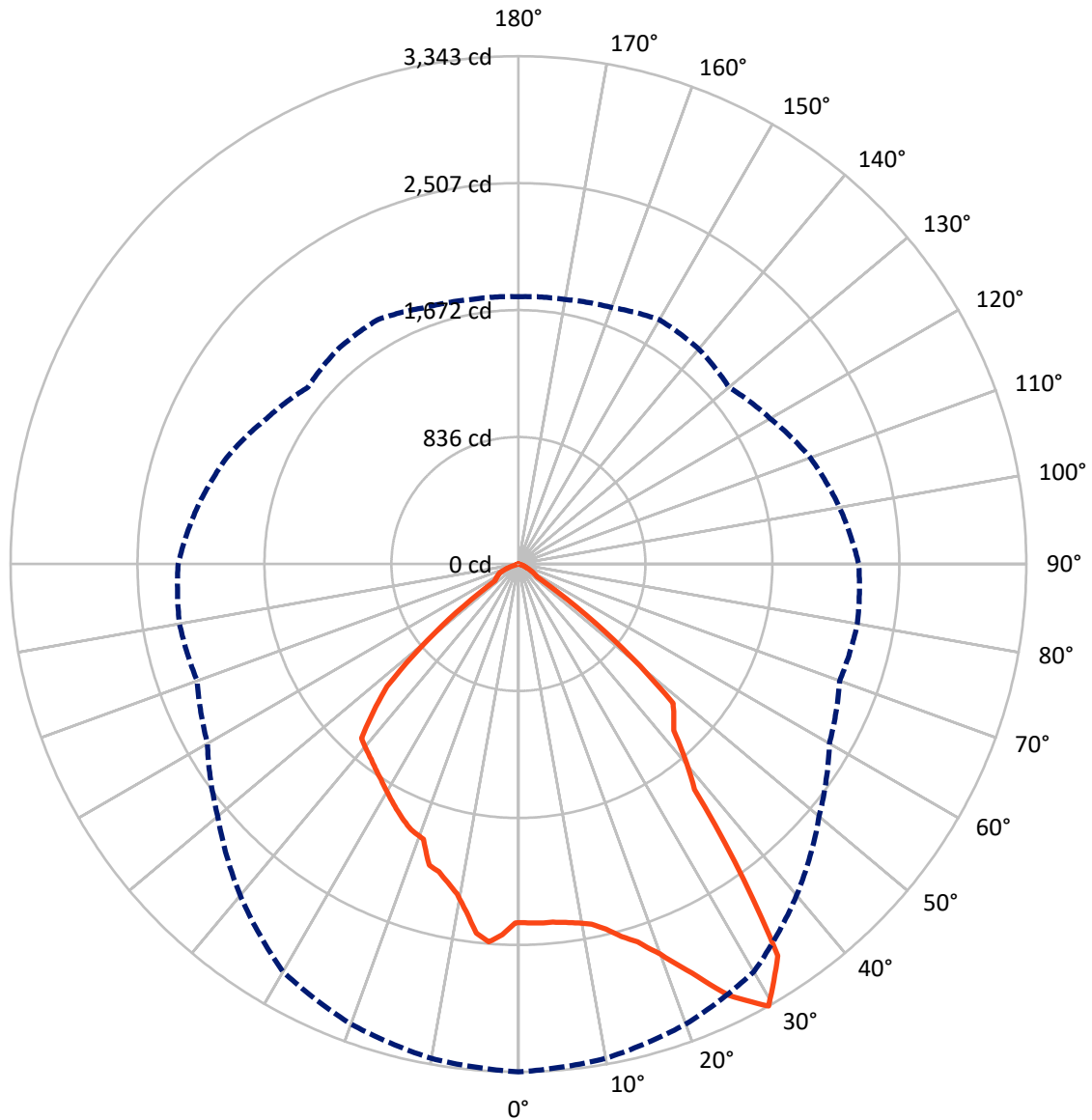
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.8 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: G2-16-1017-2
CATALOG NUMBER: UFLD-S-C15-X-U-66

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 29-Deg Vertical

REPORT NUMBER: G2-16-1017-2

CATALOG NUMBER: UFLD-S-C15-X-U-66

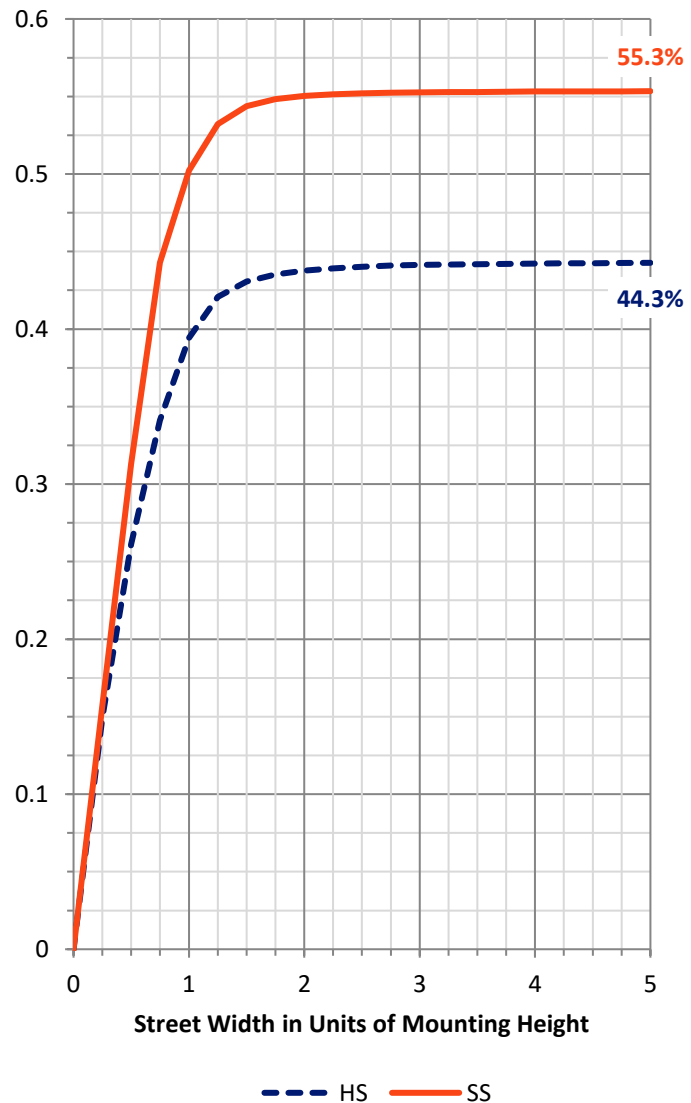
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2655.2	0.0	2655.2
	% Fixture	44.7	0.0	44.7
Street Side	Lumens	3288.3	0.0	3288.3
	% Fixture	55.3	0.0	55.3
Total	Lumens	5943.5	0.0	5943.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.2	3.9
10°-20°	662.8	11.2
20°-30°	1075.9	18.1
30°-40°	1336.0	22.5
40°-50°	1321.7	22.2
50°-60°	928.4	15.6
60°-70°	381.4	6.4
70°-80°	79.0	1.3
80°-90°	11.9	0.2
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°-90°	5943.5	100.0
0°-180°	5943.5	100.0



REPORT NUMBER: G2-16-1017-2

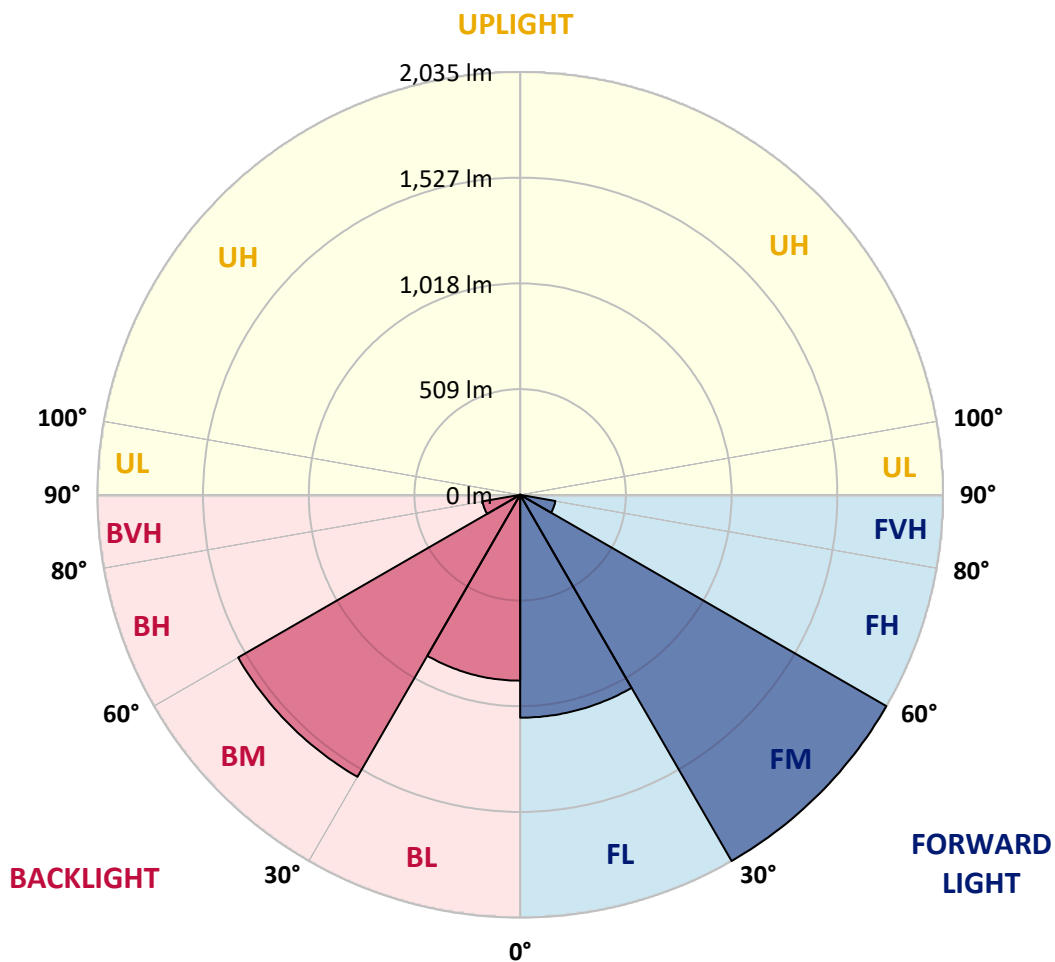
CATALOG NUMBER: UFLD-S-C15-X-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1072.9	18.1			
FM	(30°-60°)	2035.4	34.2			
FH	(60°-80°)	171.9	2.9			G0/660
FVH	(80°-90°)	5.4	0.1			G0/10
BL	(0°-30°)	894.6	15.1	B2/1000		
BM	(30°-60°)	1567.2	26.4	B2/2500		
BH	(60°-80°)	183.8	3.1	B1/500		G1/500
BVH	(80°-90°)	7.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type I Short





REPORT NUMBER: G2-16-1017-2

CATALOG NUMBER: UFLD-S-C15-X-U-66

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360
1°	2364	2364	2364	2364	2364	2363	2363	2362	2362	2361	2361
3°	2368	2368	2369	2369	2370	2370	2369	2369	2368	2366	2369
5°	2368	2370	2371	2372	2373	2374	2374	2373	2372	2372	2382
7°	2380	2380	2378	2376	2374	2373	2374	2374	2376	2382	2407
9°	2396	2395	2391	2386	2379	2374	2373	2376	2383	2400	2437
11°	2419	2419	2412	2399	2384	2373	2372	2378	2392	2420	2451
13°	2471	2467	2450	2418	2392	2373	2366	2374	2395	2434	2448
15°	2544	2536	2510	2460	2412	2376	2357	2361	2388	2440	2427
17°	2608	2599	2570	2518	2449	2387	2349	2347	2380	2419	2376
19.5°	2733	2715	2662	2576	2506	2422	2351	2338	2388	2436	2325
22.5°	2924	2893	2815	2697	2567	2473	2362	2330	2382	2355	2269
25.5°	3159	3111	3008	2862	2687	2525	2373	2289	2338	2287	2204
29°	3343	3305	3223	3099	2848	2584	2364	2250	2265	2240	2146
33°	3093	3110	3177	3270	3040	2649	2373	2263	2141	2074	1987
37.5°	1883	2014	2355	2803	3030	2789	2420	2260	2102	1967	1863
42.5°	1499	1521	1624	1748	2251	2707	2531	2285	2046	1957	1810
47.5°	1370	1376	1375	1374	1476	2038	2620	2303	1875	1831	1771
55°	151	304	525	752	1050	1107	1828	1885	1634	1756	1625
65°	63	57	118	95	125	270	424	451	298	64	307
75°	8	10	18	16	20	18	26	32	34	55	57
85°	0	8	11	11	12	12	13	14	14	16	15
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-16-1017-2

CATALOG NUMBER: UFLD-S-C15-X-U-66

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360
1°	2361	2361	2362	2362	2362	2362	2362	2362	2362	2362	2362
3°	2372	2389	2404	2417	2427	2434	2440	2442	2440	2434	2427
5°	2409	2437	2457	2469	2479	2487	2491	2495	2491	2487	2479
7°	2443	2470	2486	2484	2471	2463	2454	2445	2454	2463	2471
9°	2470	2483	2467	2434	2389	2357	2331	2315	2331	2357	2389
11°	2463	2444	2394	2338	2283	2248	2222	2209	2222	2248	2283
13°	2430	2361	2302	2251	2203	2175	2158	2147	2158	2175	2203
15°	2370	2287	2236	2192	2151	2119	2102	2092	2102	2119	2151
17°	2301	2236	2193	2148	2102	2083	2077	2067	2077	2083	2102
19.5°	2252	2197	2148	2097	2065	1986	1938	1917	1938	1986	2065
22.5°	2219	2158	2073	2018	1925	1903	1890	1886	1890	1903	1925
25.5°	2158	2074	1978	1897	1909	1863	1839	1831	1839	1863	1909
29°	2045	1914	1810	1847	1857	1796	1768	1760	1768	1796	1857
33°	1889	1755	1716	1751	1734	1702	1689	1683	1689	1702	1734
37.5°	1751	1652	1617	1603	1610	1616	1611	1610	1611	1616	1610
42.5°	1662	1580	1503	1480	1508	1534	1542	1543	1542	1534	1508
47.5°	1608	1528	1383	1389	1373	1266	1191	1181	1191	1266	1373
55°	1420	1455	1213	1010	667	406	246	188	246	406	667
65°	497	394	196	149	185	155	138	137	138	155	185
75°	68	41	45	35	42	29	16	11	16	29	42
85°	15	14	13	12	12	13	11	1	11	13	12
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-16-1017-2

CATALOG NUMBER: UFLD-S-C15-X-U-66

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360
1°	2362	2362	2361	2361	2361	2361	2362	2362	2363	2363	2364
3°	2417	2404	2389	2372	2369	2366	2368	2369	2369	2370	2370
5°	2469	2457	2437	2409	2382	2372	2372	2373	2374	2374	2373
7°	2484	2486	2470	2443	2407	2382	2376	2374	2374	2373	2374
9°	2434	2467	2483	2470	2437	2400	2383	2376	2373	2374	2379
11°	2338	2394	2444	2463	2451	2420	2392	2378	2372	2373	2384
13°	2251	2302	2361	2430	2448	2434	2395	2374	2366	2373	2392
15°	2192	2236	2287	2370	2427	2440	2388	2361	2357	2376	2412
17°	2148	2193	2236	2301	2376	2419	2380	2347	2349	2387	2449
19.5°	2097	2148	2197	2252	2325	2436	2388	2338	2351	2422	2506
22.5°	2018	2073	2158	2219	2269	2355	2382	2330	2362	2473	2567
25.5°	1897	1978	2074	2158	2204	2287	2338	2289	2373	2525	2687
29°	1847	1810	1914	2045	2146	2240	2265	2250	2364	2584	2848
33°	1751	1716	1755	1889	1987	2074	2141	2263	2373	2649	3040
37.5°	1603	1617	1652	1751	1863	1967	2102	2260	2420	2789	3030
42.5°	1480	1503	1580	1662	1810	1957	2046	2285	2531	2707	2251
47.5°	1389	1383	1528	1608	1771	1831	1875	2303	2620	2038	1476
55°	1010	1213	1455	1420	1625	1756	1634	1885	1828	1107	1050
65°	149	196	394	497	307	64	298	451	424	270	125
75°	35	45	41	68	57	55	34	32	26	18	20
85°	12	13	14	15	15	16	14	14	13	12	12
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G2-16-1017-2

CATALOG NUMBER: UFLD-S-C15-X-U-66

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2360	2360	2360	2360
1°	2364	2364	2364	2364
3°	2369	2369	2368	2368
5°	2372	2371	2370	2368
7°	2376	2378	2380	2380
9°	2386	2391	2395	2396
11°	2399	2412	2419	2419
13°	2418	2450	2467	2471
15°	2460	2510	2536	2544
17°	2518	2570	2599	2608
19.5°	2576	2662	2715	2733
22.5°	2697	2815	2893	2924
25.5°	2862	3008	3111	3159
29°	3099	3223	3305	3343
33°	3270	3177	3110	3093
37.5°	2803	2355	2014	1883
42.5°	1748	1624	1521	1499
47.5°	1374	1375	1376	1370
55°	752	525	304	151
65°	95	118	57	63
75°	16	18	10	8
85°	11	11	8	0
90°	0	0	0	0

(END OF REPORT)