

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: P478151

Luminaire Tested: **IFLD-S-SA2A-740-U-T4FT**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P478151
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-740-U-T4FT
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

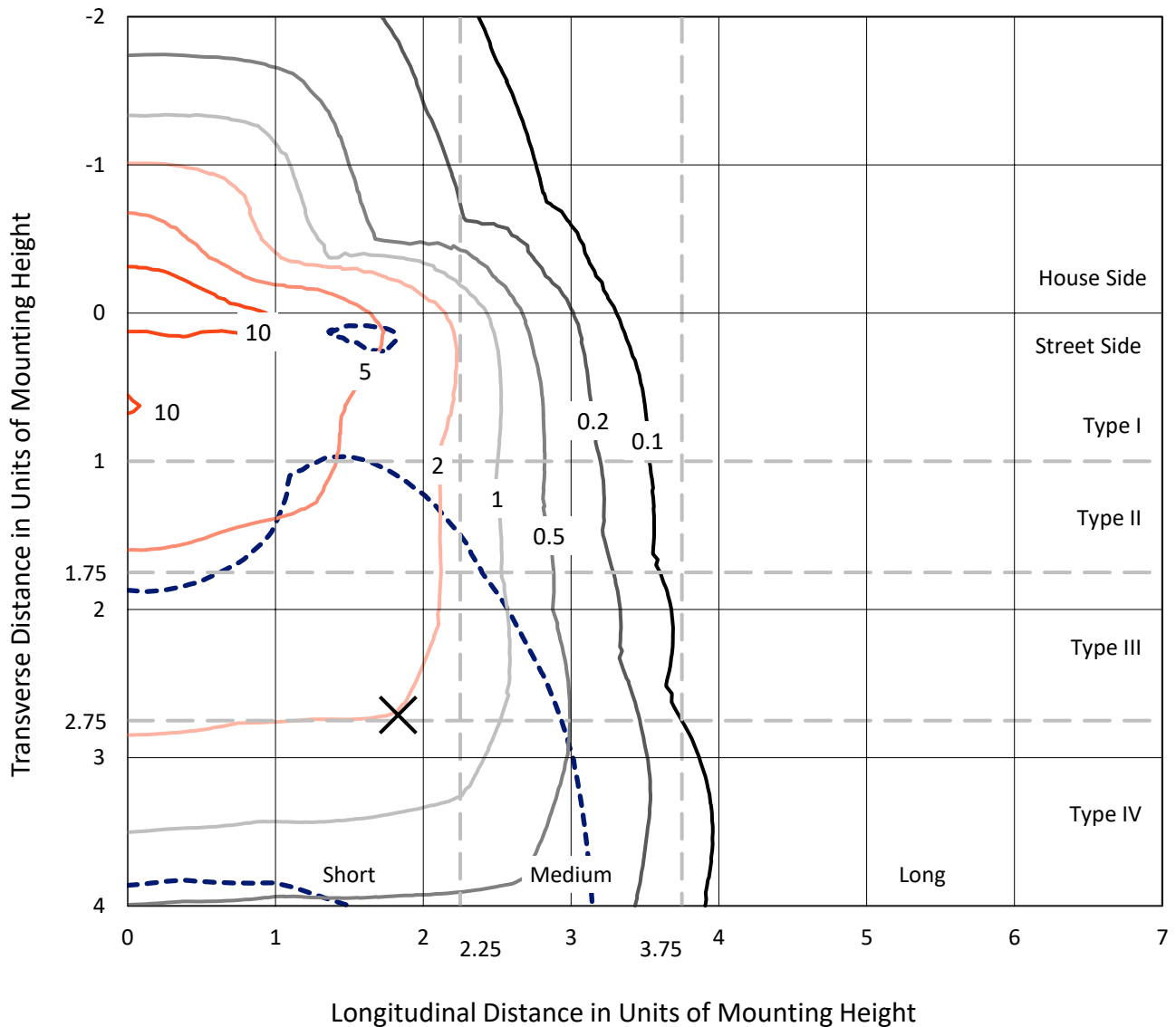
Lumens per Lamp: N/A
Luminaire Lumens: 9458.3 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.8
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

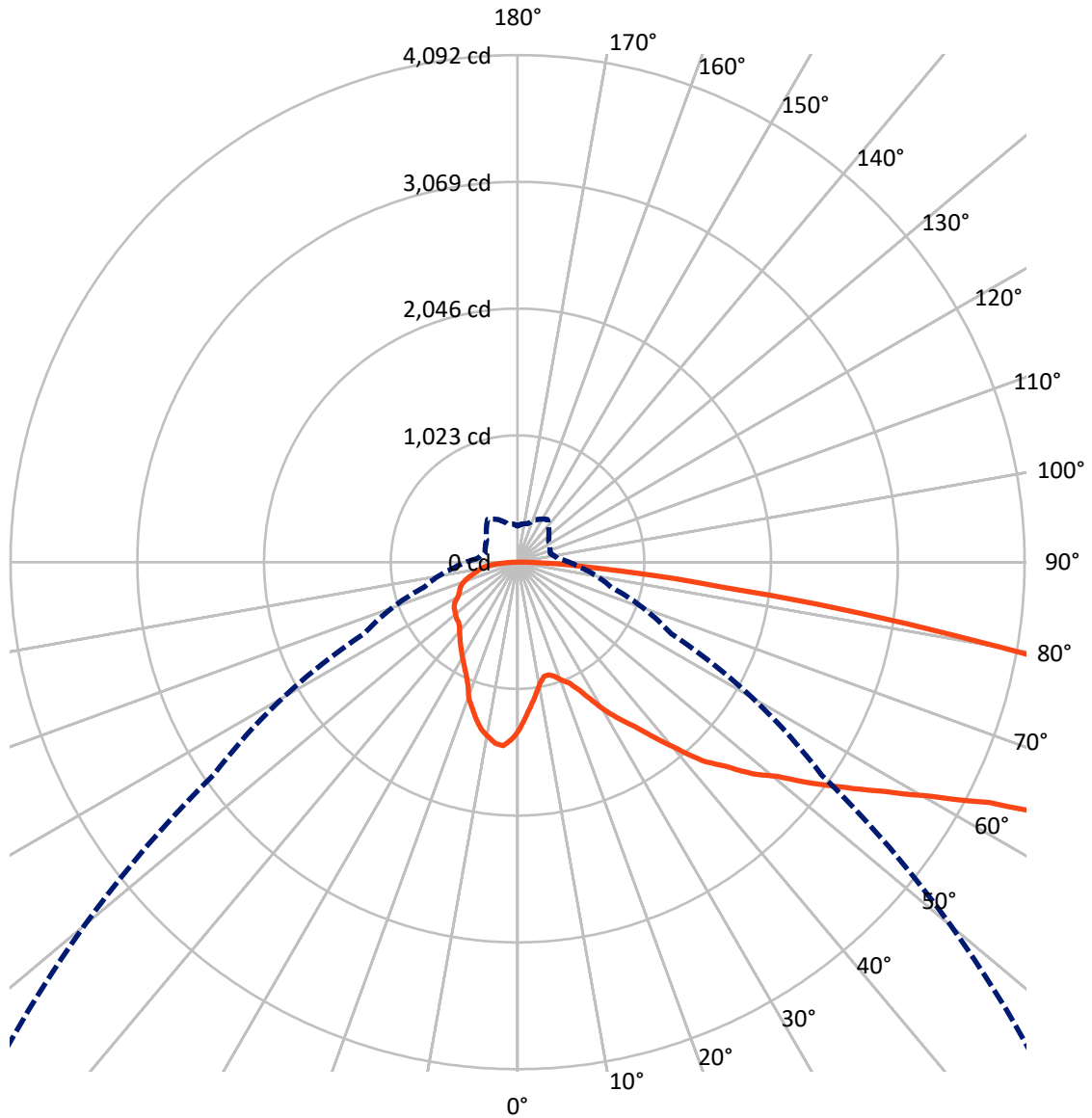
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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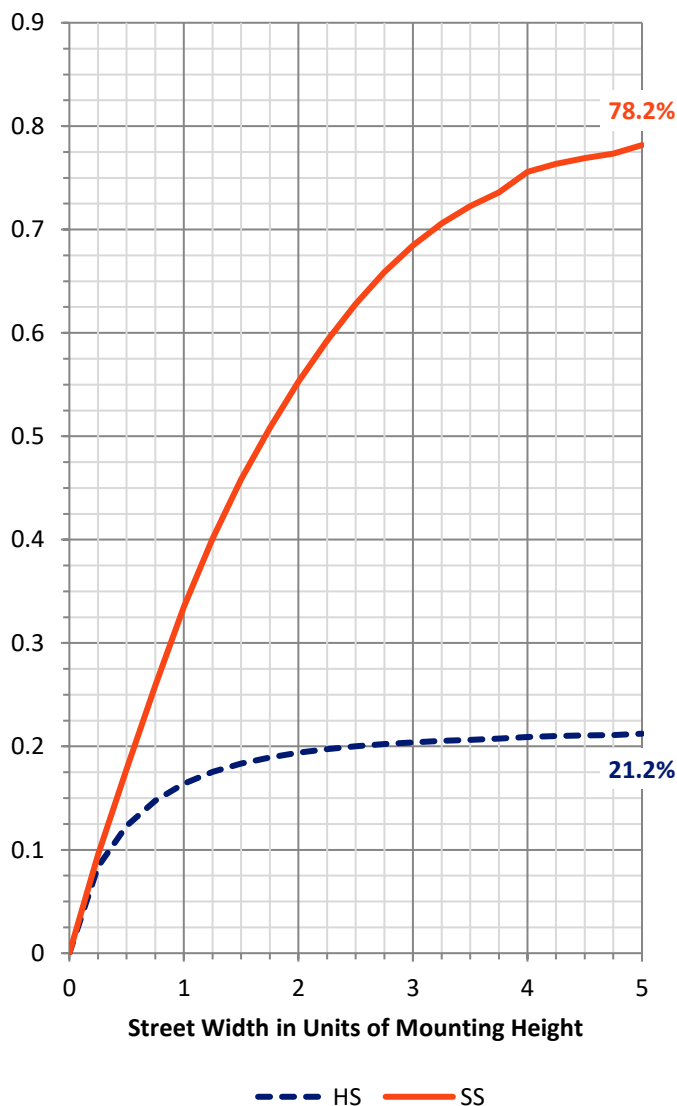
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2043.1	0.0	2043.1
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	7415.2	0.0	7415.2
	% Fixture	78.4	0.0	78.4
Total	Lumens	9458.3	0.0	9458.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.2	1.3
10°-20°	350.2	3.7
20°-30°	576.5	6.1
30°-40°	862.1	9.1
40°-50°	1278.0	13.5
50°-60°	1841.7	19.5
60°-70°	2350.3	24.8
70°-80°	1828.9	19.3
80°-90°	245.4	2.6
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°	9458.3	100.0
0°-180°	9458.3	100.0

Coefficient of Utilization

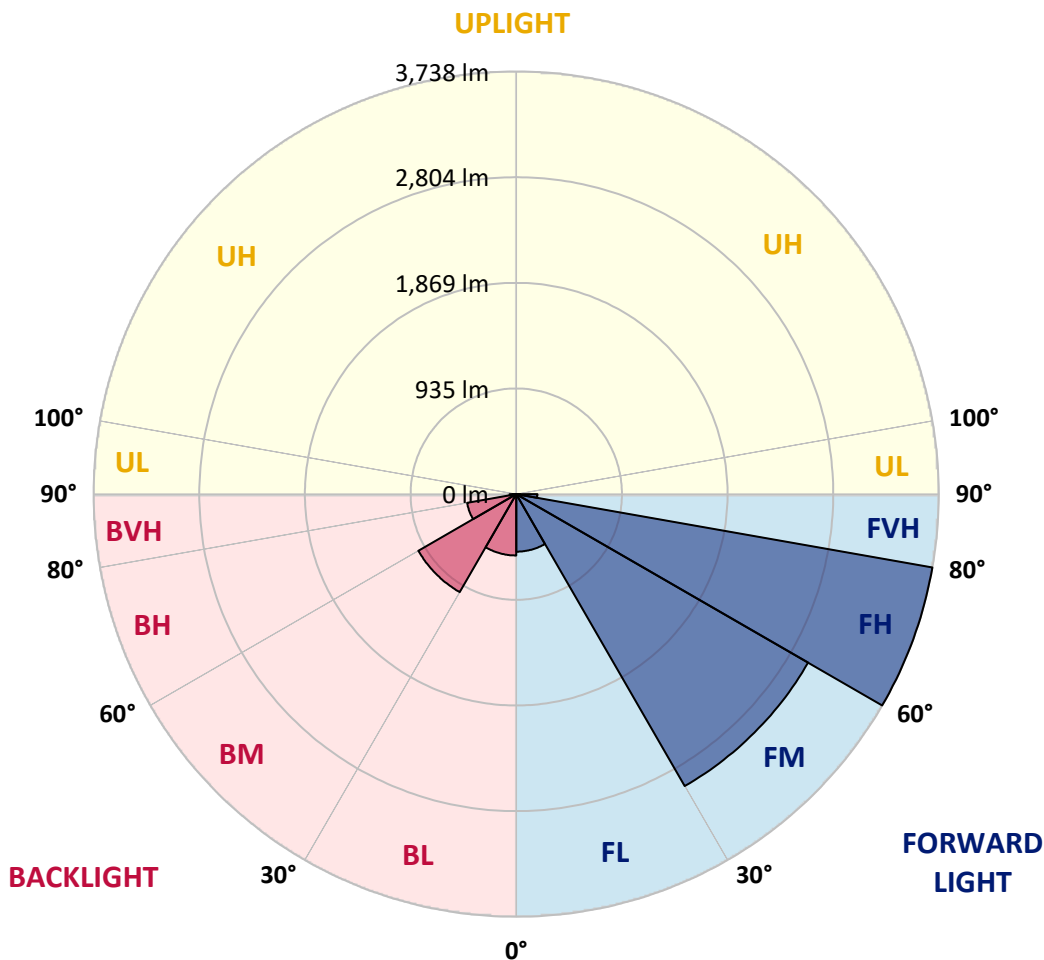


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.0	5.4			
FM (30°-60°)	2981.3	31.5			
FH (60°-80°)	3738.1	39.5			G2/5000
FVH (80°-90°)	186.8	2.0			G2/225
BL (0°-30°)	542.8	5.7	B2/1000		
BM (30°-60°)	1000.5	10.6	B2/2500		
BH (60°-80°)	441.2	4.7	B1/500		G1/500
BVH (80°-90°)	58.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356
2.5°	1215	1219	1232	1235	1249	1241	1258	1288	1305	1330	1360
5°	1119	1102	1110	1141	1157	1161	1179	1230	1262	1299	1355
7.5°	1006	1003	1019	1039	1071	1074	1114	1159	1225	1307	1373
10°	929	942	951	972	994	994	1045	1123	1198	1277	1377
12.5°	925	917	919	930	946	966	1014	1084	1179	1271	1394
15°	938	941	923	937	943	950	1003	1082	1167	1292	1423
17.5°	1007	990	962	949	970	970	1006	1068	1169	1303	1465
20°	1061	1061	1015	1001	1016	1013	1038	1084	1179	1325	1512
22.5°	1152	1165	1089	1060	1059	1067	1089	1128	1207	1356	1557
25°	1283	1286	1198	1168	1136	1149	1153	1192	1232	1392	1608
27.5°	1429	1427	1346	1271	1250	1253	1231	1257	1269	1403	1681
30°	1591	1573	1512	1406	1389	1370	1322	1321	1346	1465	1782
32.5°	1697	1674	1632	1556	1509	1511	1435	1434	1412	1533	1870
35°	1801	1766	1755	1677	1630	1635	1574	1566	1526	1636	2015
37.5°	1926	1895	1912	1853	1795	1771	1743	1733	1681	1781	2213
40°	2064	2054	2043	2014	1979	1981	1951	1941	1864	1956	2403
42.5°	2250	2212	2155	2174	2192	2211	2201	2175	2095	2134	2615
45°	2423	2373	2268	2274	2348	2363	2484	2481	2320	2360	2856
47.5°	2540	2517	2454	2447	2553	2552	2770	2770	2557	2585	3115
50°	2714	2654	2627	2662	2716	2753	3062	3081	2790	2820	3454
52.5°	2918	2843	2775	2865	2961	2985	3351	3343	2969	3093	3851
55°	3087	3049	3002	3054	3211	3241	3641	3567	3148	3319	4042
57.5°	3284	3307	3317	3304	3491	3538	3972	3760	3302	3471	4154
60°	3581	3595	3608	3639	3837	3903	4234	4002	3399	3559	4163
62.5°	4033	3979	4008	4115	4274	4349	4620	4172	3473	3612	3869
65°	4550	4477	4447	4585	4997	4937	5102	4299	3366	3414	3281
67.5°	5074	5082	5005	5282	5787	5787	5550	4360	3076	2767	2301
70°	5490	5515	5557	6094	6894	7015	6105	4110	2485	1842	1258
72.5°	5484	5409	5624	6613	7900	7799	6221	3250	1551	902	577
73°	5361	5298	5533	6608	7941	7846	6136	2996	1368	782	513
75°	4378	4264	4664	5985	7347	7420	5213	1954	750	482	361
77.5°	1996	2046	2567	4015	5662	5748	3427	845	411	338	266
80°	641	673	999	1996	3549	3704	1584	384	293	259	199
82.5°	245	244	419	830	1682	1781	579	234	218	191	141
85°	86	90	158	328	662	693	201	130	151	128	81
87.5°	30	31	56	119	228	241	56	52	75	74	41
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356	1356
2.5°	1370	1379	1382	1418	1418	1418	1432	1432	1428	1418	1442
5°	1376	1392	1423	1454	1462	1469	1488	1472	1478	1468	1477
7.5°	1393	1415	1473	1492	1479	1494	1474	1463	1452	1456	1442
10°	1422	1450	1477	1512	1487	1472	1431	1421	1386	1374	1385
12.5°	1458	1492	1538	1525	1477	1434	1390	1348	1327	1297	1305
15°	1494	1533	1540	1518	1458	1404	1324	1265	1244	1217	1231
17.5°	1533	1570	1558	1501	1420	1338	1247	1189	1145	1128	1128
20°	1591	1609	1590	1473	1374	1266	1178	1112	1068	1061	1050
22.5°	1636	1665	1580	1432	1307	1172	1071	1046	1033	1022	1008
25°	1694	1693	1562	1394	1192	1060	999	997	991	987	1006
27.5°	1749	1726	1541	1300	1073	975	942	964	973	967	975
30°	1836	1798	1511	1200	968	889	895	925	940	949	937
32.5°	1928	1870	1449	1096	875	835	849	880	898	908	919
35°	2061	1926	1386	960	808	802	810	827	853	860	863
37.5°	2225	2011	1301	851	756	763	771	777	778	791	786
40°	2389	2083	1177	747	702	740	736	725	716	704	701
42.5°	2533	2146	1039	659	654	716	703	675	654	645	630
45°	2695	2235	900	604	617	687	683	640	613	581	577
47.5°	2905	2328	767	547	582	676	678	623	584	541	535
50°	3174	2462	666	523	561	660	663	600	549	505	501
52.5°	3432	2599	582	486	547	641	648	579	520	465	468
55°	3562	2549	510	459	515	610	636	564	476	438	437
57.5°	3591	2426	453	431	488	577	616	519	456	424	420
60°	3496	2211	408	401	454	543	570	495	436	410	404
62.5°	3262	1988	377	387	425	506	541	478	417	399	386
65°	2675	1635	352	360	395	470	523	459	400	383	382
67.5°	1853	1127	332	347	371	444	505	438	378	372	364
70°	949	601	306	318	345	411	473	416	355	354	344
72.5°	481	352	276	294	313	368	433	387	326	315	299
73°	416	326	271	287	305	356	421	380	322	306	291
75°	303	257	243	259	273	321	381	348	296	279	265
77.5°	227	198	202	220	232	277	339	315	268	245	239
80°	167	151	167	184	193	244	309	273	226	200	195
82.5°	119	110	129	140	144	202	278	218	171	137	126
85°	68	67	87	86	89	118	183	145	110	84	82
87.5°	30	33	44	35	37	56	78	54	45	25	19
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)