

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: P161647

Luminaire Tested: **OVF-E05-LED-E-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P161647
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33698)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVF-E05-LED-E-U-5WQ
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (105) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15327.8 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

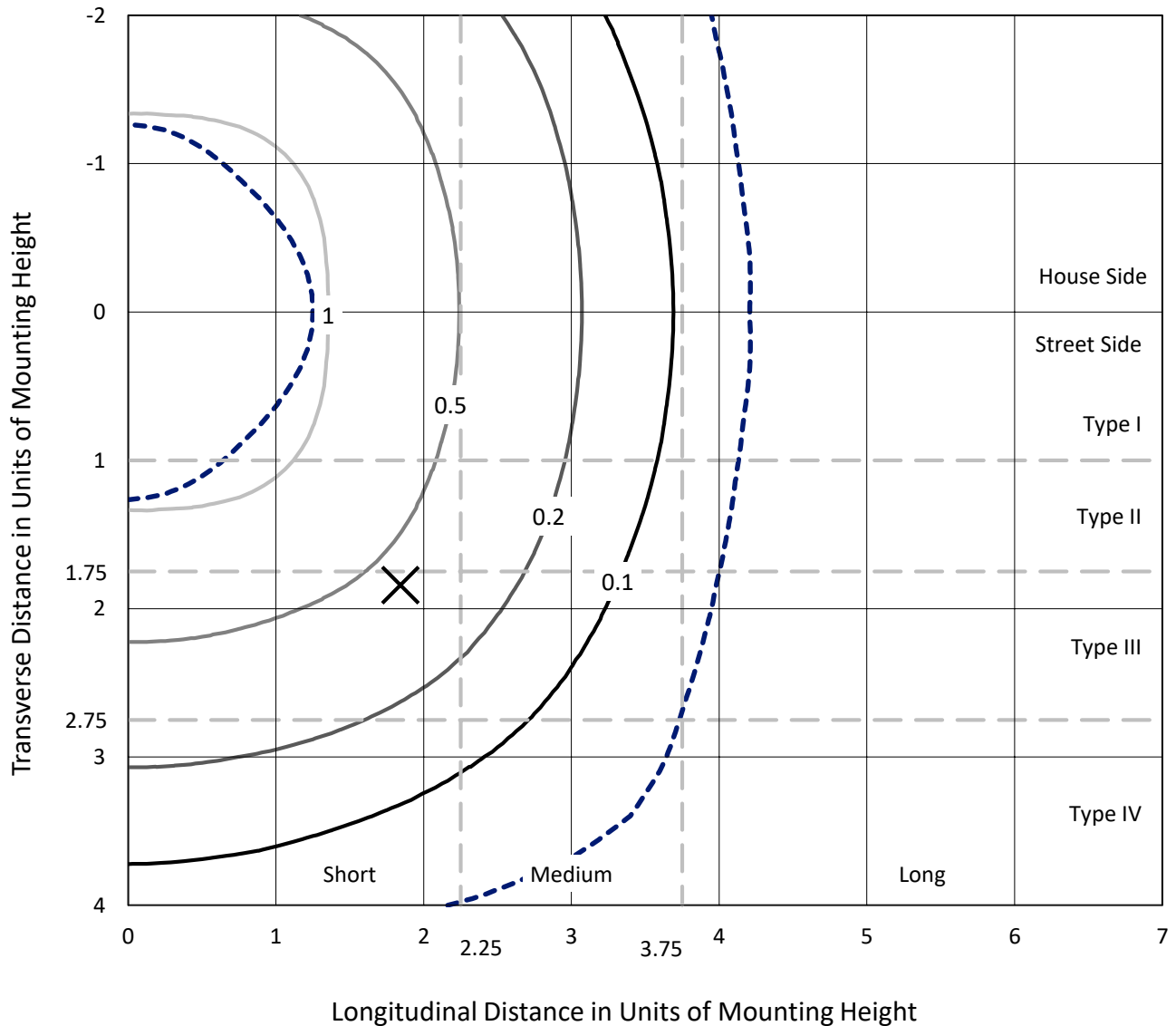
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P161647
 CATALOG NUMBER: OVF-E05-LED-E-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

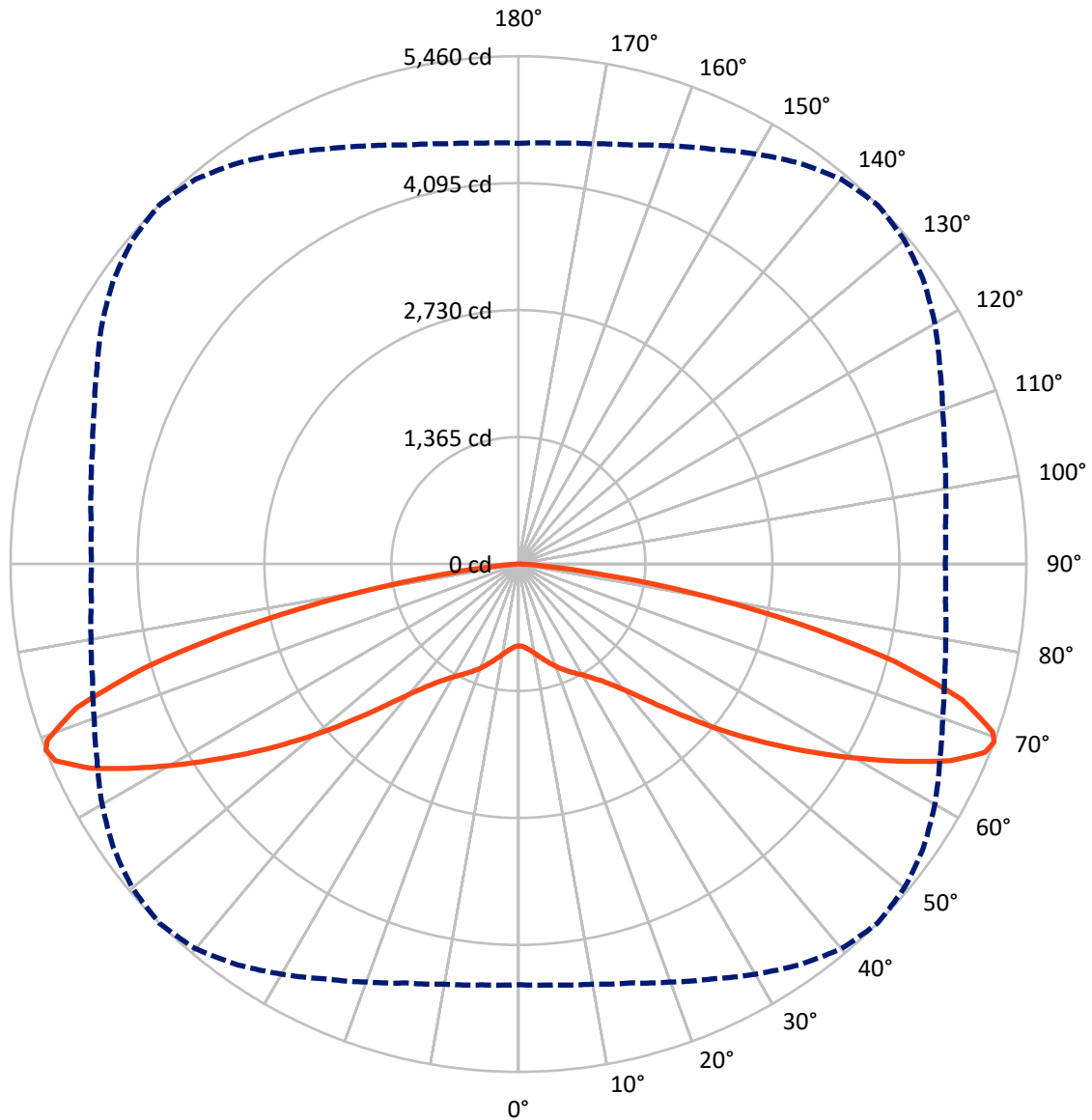


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P161647

CATALOG NUMBER: OVF-E05-LED-E-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P161647

CATALOG NUMBER: OVF-E05-LED-E-U-5WQ

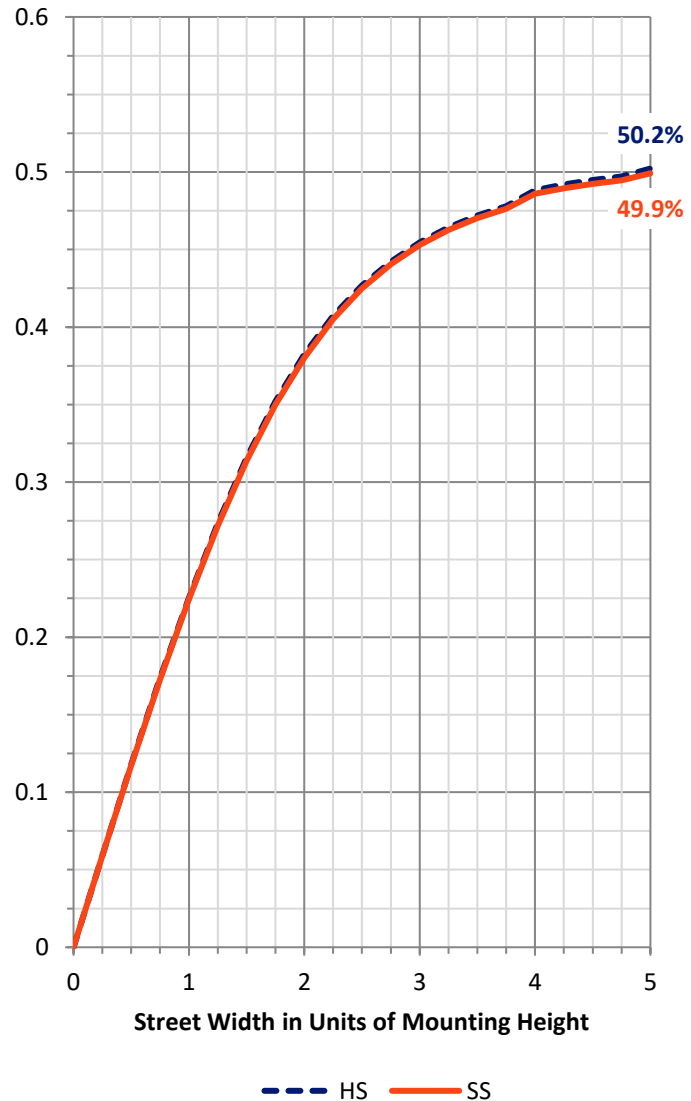
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7663.9	0.0	7663.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7663.9	0.0	7663.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15327.8	0.0	15327.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	0.6
10°-20°	306.3	2.0
20°-30°	590.4	3.9
30°-40°	967.5	6.3
40°-50°	1682.3	11.0
50°-60°	2988.4	19.5
60°-70°	4639.7	30.3
70°-80°	3696.6	24.1
80°-90°	367.6	2.4
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°	15327.8	100.0
0°-180°	15327.8	100.0



REPORT NUMBER: P161647

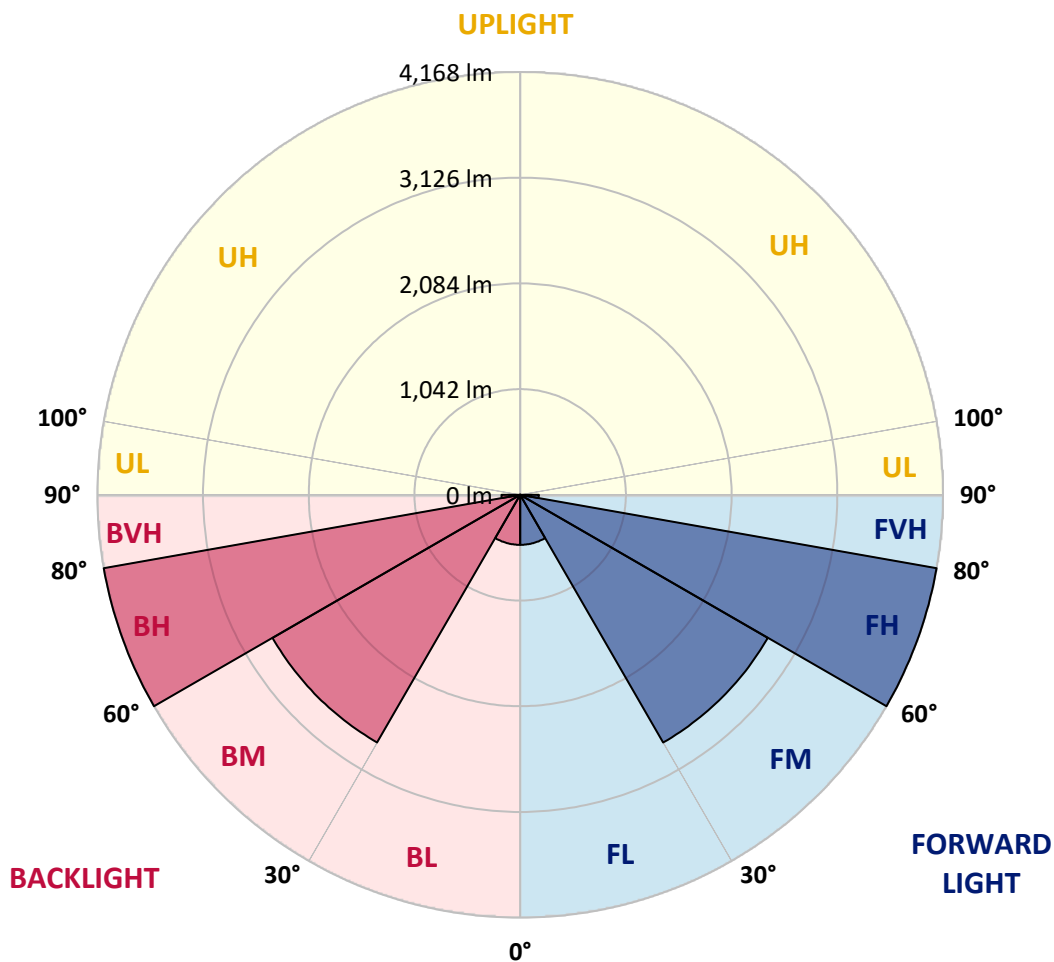
CATALOG NUMBER: OVF-E05-LED-E-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.8	3.2			
FM (30°-60°)	2819.1	18.4			
FH (60°-80°)	4168.2	27.2			G2/5000
FVH (80°-90°)	183.8	1.2			G2/225
BL (0°-30°)	492.8	3.2	B1/500		
BM (30°-60°)	2819.1	18.4	B3/5000		
BH (60°-80°)	4168.2	27.2	B4/5000		G2/5000
BVH (80°-90°)	183.8	1.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P161647

CATALOG NUMBER: OVF-E05-LED-E-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	881	881	881	881	881	881	881	881	881	881	881
2.5°	888	888	888	887	887	886	887	886	886	886	886
5°	911	909	909	908	910	910	908	909	908	909	909
7.5°	940	940	940	939	941	940	939	940	940	939	939
10°	976	977	976	976	979	978	979	979	980	979	979
12.5°	1018	1018	1019	1020	1021	1022	1025	1024	1026	1024	1024
15°	1067	1069	1067	1067	1070	1072	1073	1073	1075	1074	1072
17.5°	1119	1120	1119	1118	1121	1124	1125	1125	1128	1126	1126
20°	1172	1173	1171	1170	1174	1174	1176	1177	1180	1181	1178
22.5°	1221	1222	1221	1220	1224	1224	1227	1228	1232	1231	1231
25°	1269	1269	1268	1268	1272	1273	1276	1278	1282	1282	1282
27.5°	1313	1314	1312	1311	1319	1322	1324	1328	1331	1333	1332
30°	1363	1363	1362	1365	1370	1374	1378	1384	1390	1388	1388
32.5°	1422	1424	1423	1427	1433	1439	1444	1451	1454	1459	1455
35°	1501	1505	1503	1507	1512	1516	1527	1534	1539	1542	1540
37.5°	1600	1598	1602	1603	1613	1618	1631	1641	1649	1652	1650
40°	1723	1720	1725	1730	1743	1748	1763	1778	1789	1793	1791
42.5°	1870	1874	1882	1889	1907	1921	1938	1960	1972	1977	1970
45°	2063	2056	2071	2089	2099	2130	2158	2181	2201	2209	2201
47.5°	2283	2282	2300	2322	2348	2377	2410	2440	2475	2477	2467
50°	2526	2546	2556	2578	2626	2662	2704	2749	2781	2791	2773
52.5°	2819	2834	2840	2877	2921	2965	3024	3078	3115	3119	3110
55°	3137	3149	3160	3205	3253	3292	3367	3420	3457	3471	3465
57.5°	3466	3477	3491	3540	3589	3644	3715	3777	3820	3846	3839
60°	3831	3831	3863	3912	3952	4017	4091	4163	4210	4251	4240
62.5°	4215	4226	4257	4297	4339	4399	4483	4569	4641	4672	4671
65°	4506	4526	4567	4613	4683	4754	4860	4967	5054	5099	5099
67.5°	4591	4604	4655	4725	4826	4939	5083	5232	5351	5410	5373
69°	4523	4542	4587	4663	4783	4921	5092	5261	5399	5460	5417
70°	4444	4465	4510	4585	4709	4856	5027	5209	5357	5409	5360
72.5°	4122	4148	4180	4245	4357	4495	4649	4809	4951	4992	4931
75°	3573	3578	3594	3642	3682	3780	3911	4038	4145	4169	4104
77.5°	2529	2502	2475	2516	2548	2674	2816	2920	3032	3066	3000
80°	1109	1099	1137	1191	1332	1416	1555	1704	1799	1910	1791
82.5°	219	231	267	330	407	512	603	706	799	841	798
85°	89	97	110	123	132	148	174	216	238	241	229
87.5°	37	43	58	69	70	67	69	71	58	47	59
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P161647

CATALOG NUMBER: OVF-E05-LED-E-U-5WQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	881	881	881	881	881	881	881	881
2.5°	886	887	886	887	886	886	887	886
5°	908	909	908	907	906	907	907	907
7.5°	939	938	937	937	936	935	937	937
10°	977	976	974	974	973	973	973	973
12.5°	1023	1020	1019	1016	1015	1014	1014	1015
15°	1071	1068	1067	1062	1062	1061	1061	1061
17.5°	1122	1119	1115	1115	1112	1110	1111	1109
20°	1174	1170	1168	1167	1163	1163	1163	1162
22.5°	1225	1222	1219	1215	1211	1210	1210	1209
25°	1277	1272	1266	1262	1258	1255	1255	1255
27.5°	1329	1323	1314	1309	1303	1300	1300	1299
30°	1384	1377	1369	1362	1354	1351	1350	1348
32.5°	1450	1443	1435	1425	1417	1412	1412	1409
35°	1534	1526	1520	1507	1497	1489	1490	1492
37.5°	1644	1634	1629	1613	1600	1592	1592	1591
40°	1784	1774	1763	1748	1732	1721	1718	1718
42.5°	1962	1953	1938	1917	1898	1886	1876	1877
45°	2185	2174	2153	2127	2104	2087	2073	2073
47.5°	2456	2433	2404	2381	2342	2316	2306	2304
50°	2765	2722	2686	2653	2612	2585	2570	2566
52.5°	3089	3044	2999	2956	2906	2878	2854	2852
55°	3441	3384	3327	3285	3226	3197	3173	3159
57.5°	3800	3736	3695	3635	3573	3552	3529	3512
60°	4204	4134	4080	4017	3977	3932	3910	3897
62.5°	4617	4552	4483	4423	4367	4336	4306	4291
65°	5037	4930	4848	4765	4699	4643	4596	4590
67.5°	5295	5160	5023	4902	4805	4726	4678	4661
69°	5316	5169	4998	4853	4741	4665	4608	4590
70°	5258	5110	4930	4774	4658	4575	4528	4498
72.5°	4834	4704	4531	4377	4272	4175	4128	4116
75°	3988	3850	3691	3617	3544	3483	3451	3448
77.5°	2832	2691	2570	2473	2394	2355	2364	2331
80°	1621	1437	1291	1205	1088	1018	939	996
82.5°	697	563	429	349	266	211	174	162
85°	195	159	133	122	110	98	83	77
87.5°	66	63	56	56	51	43	30	27
90°	0	0	0	0	0	0	0	0

(END OF REPORT)