

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: P639183

Luminaire Tested: **USSL-M-PA6A-740-U-T4W-HSS**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6A-740-U-T4W-HSS
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K LIGHT ENGINES AND TYPE IV OPTICS WITH HOUSE SIDE
SHIELD, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30005 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G5

Input Watts (W): 273.8
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: 24 FT

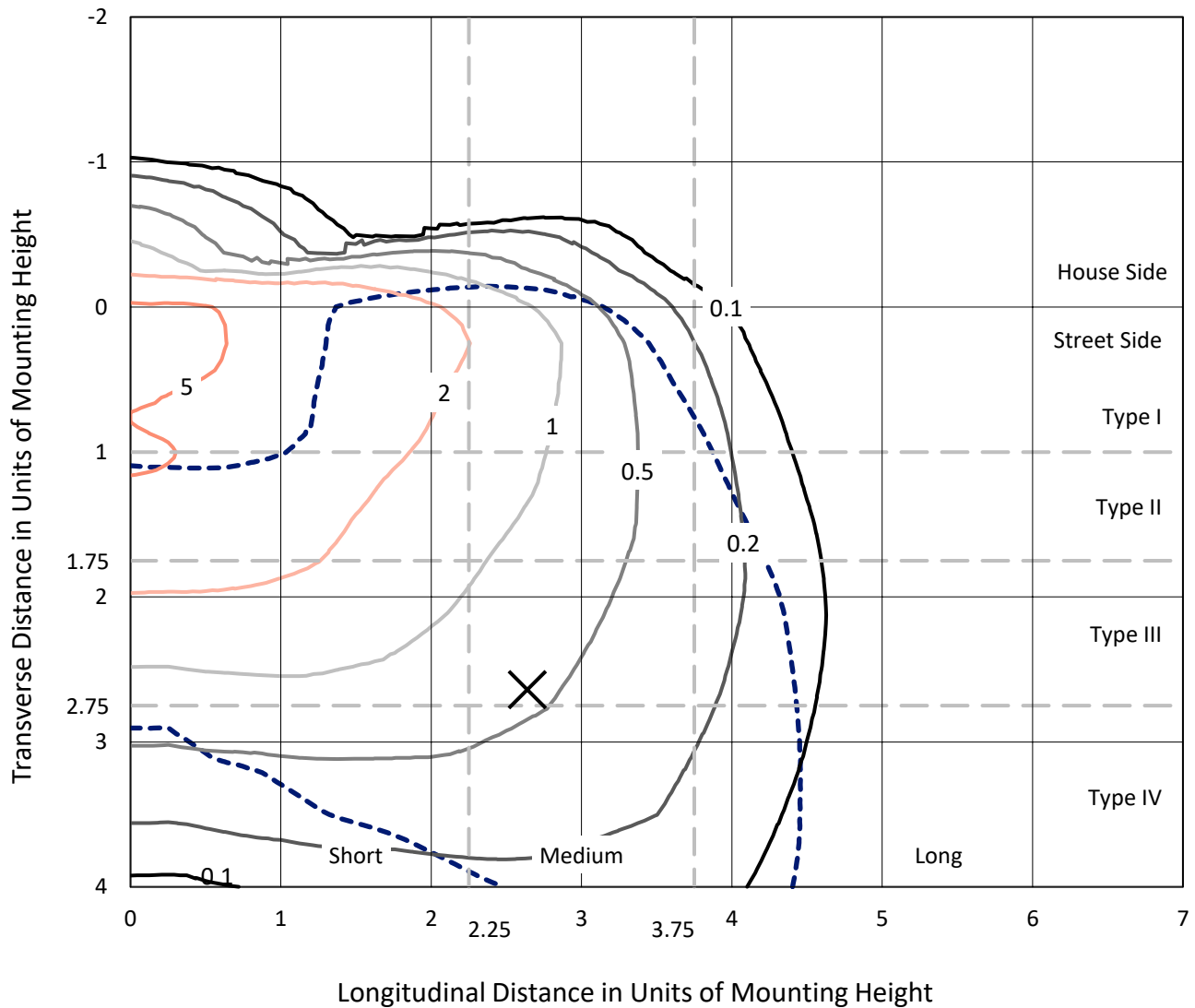


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

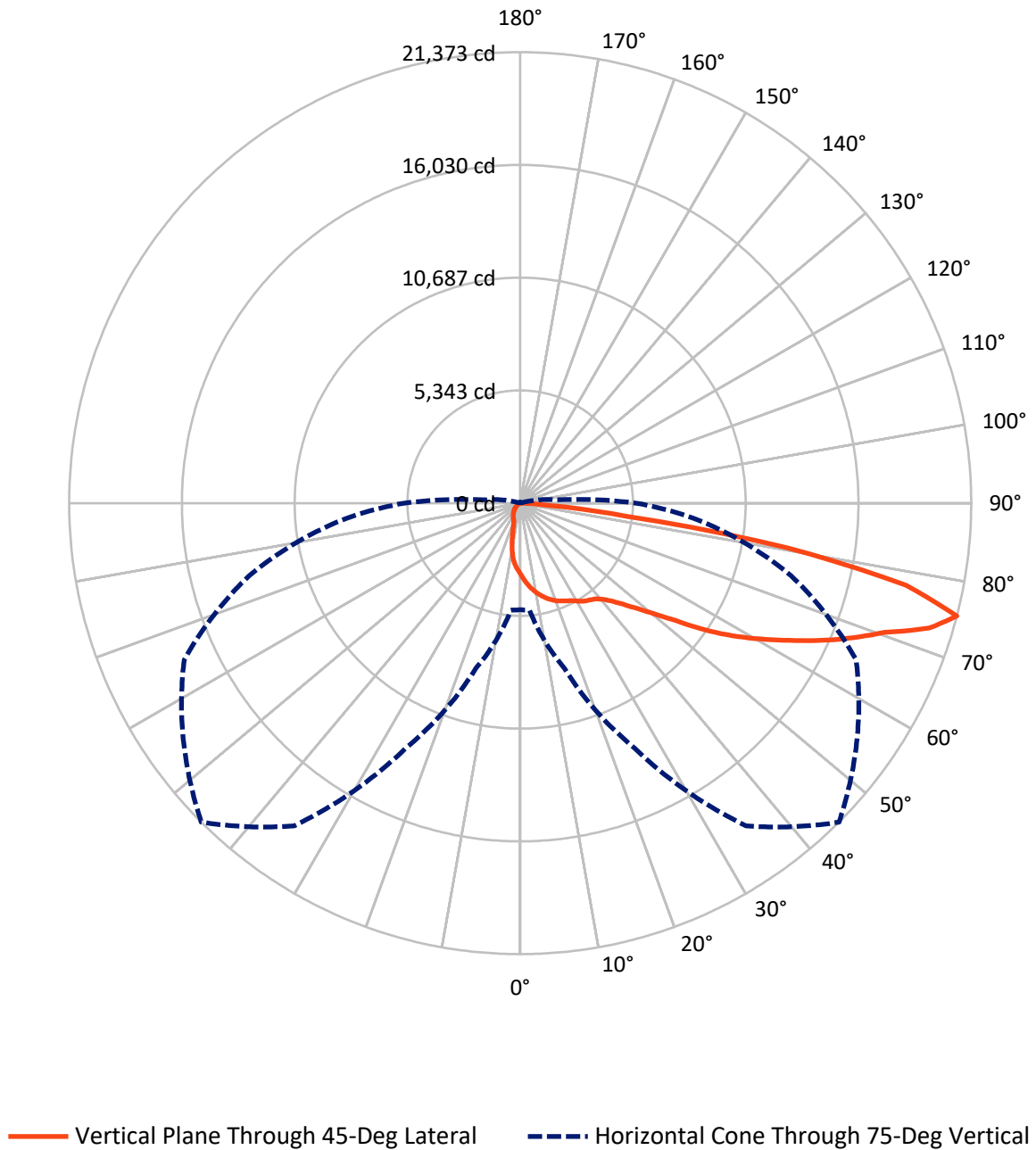


Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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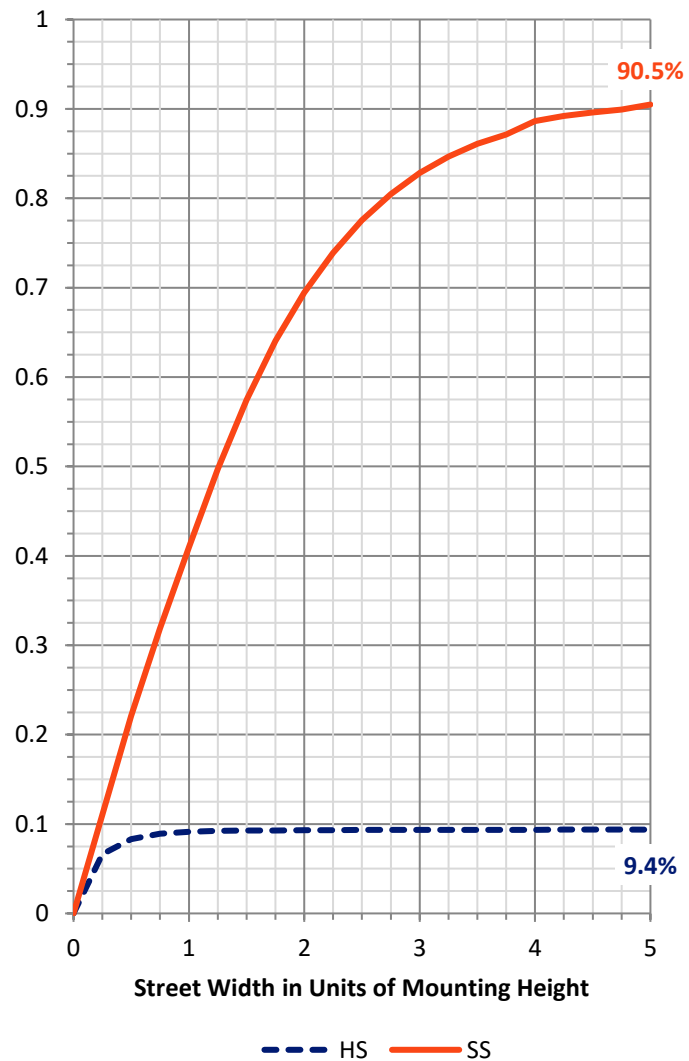
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2835.5	0.0	2835.5
	% Fixture	9.5	0.0	9.5
Street Side	Lumens	27169.5	0.0	27169.5
	% Fixture	90.5	0.0	90.5
Total	Lumens	30005.0	0.0	30005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.8	1.1
10°-20°	928.1	3.1
20°-30°	1512.3	5.0
30°-40°	2134.3	7.1
40°-50°	3410.0	11.4
50°-60°	5782.5	19.3
60°-70°	8382.3	27.9
70°-80°	6823.1	22.7
80°-90°	709.5	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°	30005.0	100.0
0°-180°	30005.0	100.0

Coefficient of Utilization



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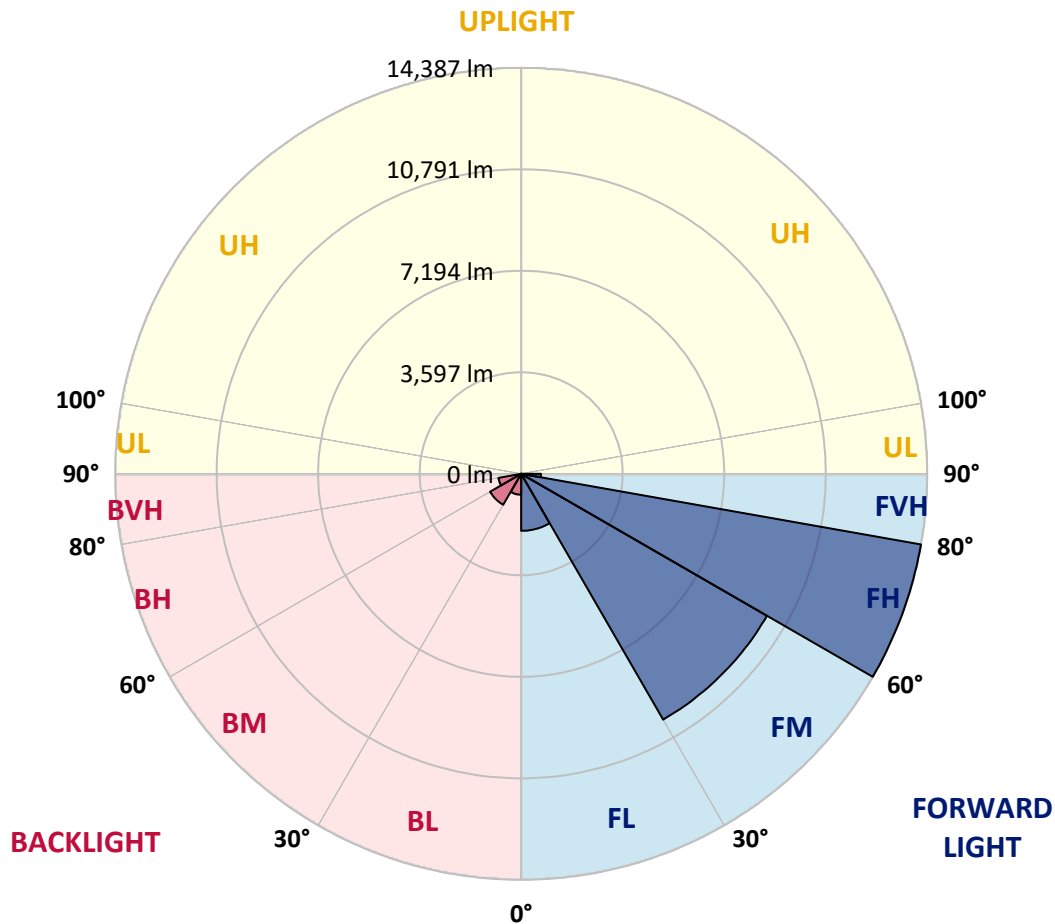
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2022.0	6.7			
FM	(30°-60°)	10057.9	33.5			
FH	(60°-80°)	14387.4	47.9			G5
FVH	(80°-90°)	702.3	2.3			G4/750
BL	(0°-30°)	741.2	2.5	B2/1000		
BM	(30°-60°)	1269.0	4.2	B2/2500		
BH	(60°-80°)	818.0	2.7	B2/1000		G2/1000
BVH	(80°-90°)	7.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378
2.5°	3756	3758	3743	3709	3670	3638	3580	3523	3462	3403	3377
5°	4134	4127	4098	4036	3961	3889	3771	3662	3537	3416	3361
7.5°	4485	4467	4421	4332	4235	4116	3964	3805	3632	3475	3394
10°	4790	4774	4707	4591	4460	4320	4151	3983	3797	3594	3493
12.5°	5055	5025	4944	4797	4642	4503	4331	4178	3959	3742	3617
15°	5281	5248	5155	4974	4793	4671	4516	4364	4155	3896	3752
17.5°	5436	5405	5304	5101	4917	4814	4698	4548	4338	4057	3896
20°	5487	5453	5369	5162	4997	4942	4843	4716	4511	4222	4049
22.5°	5438	5405	5347	5157	5042	5038	4972	4870	4674	4383	4196
25°	5369	5338	5290	5128	5071	5125	5093	5008	4846	4555	4372
27.5°	5342	5308	5265	5132	5129	5234	5235	5173	5021	4734	4543
30°	5387	5349	5301	5188	5225	5385	5431	5361	5185	4900	4718
32.5°	5500	5432	5373	5271	5332	5540	5612	5502	5315	5070	4910
35°	5694	5589	5491	5380	5428	5639	5745	5661	5473	5276	5143
37.5°	6111	5979	5818	5597	5567	5759	5923	5912	5719	5547	5444
40°	6926	6760	6527	6050	5807	5978	6203	6260	6066	5917	5844
42.5°	8263	8095	7676	6775	6186	6331	6584	6735	6536	6439	6374
45°	9666	9537	9108	7849	6815	6830	7099	7380	7255	7147	7056
47.5°	10730	10605	10297	9149	7782	7450	7733	8159	8101	8008	7911
50°	11489	11355	11158	10374	9035	8230	8482	9062	9206	9151	8970
52.5°	12200	12065	11896	11441	10448	9242	9373	10162	10410	10438	10043
55°	12790	12684	12755	12466	11916	10597	10413	11304	11690	11891	11269
57.5°	13161	13045	13433	13593	13401	11854	11526	12559	12958	13460	12413
60°	13529	13396	13932	14595	14801	13071	12755	13823	14235	15261	13567
62.5°	13741	13595	14334	15358	15927	14315	14067	15107	15547	17143	14546
65°	13011	12976	14454	15859	16855	15683	15469	16388	16859	18865	15334
67.5°	12110	12103	14078	16173	17615	17012	16803	17701	18082	19888	15472
70°	11450	11452	13402	16588	18487	18335	18114	18930	18850	19139	14227
72.5°	9486	9581	11659	15974	19543	20260	19299	19492	17672	14825	10480
75°	5050	5091	8098	12798	18668	21373	19490	17567	13296	8258	5506
77.5°	1700	1664	2821	6906	14241	18687	15975	12356	7114	2723	1779
80°	537	555	913	2196	7516	12822	9616	6120	2128	609	351
82.5°	242	262	420	964	2953	5093	4653	2113	730	195	131
85°	91	97	206	549	1199	1398	1615	774	469	77	52
87.5°	22	25	85	178	280	190	266	286	263	27	21
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378
2.5°	3352	3297	3259	3204	3154	3136	3109	3101	3102	3078
5°	3312	3211	3128	3035	2952	2888	2820	2782	2765	2756
7.5°	3321	3173	3028	2854	2668	2514	2375	2295	2252	2244
10°	3395	3190	2948	2618	2279	2022	1824	1715	1650	1641
12.5°	3498	3220	2819	2309	1835	1489	1272	1201	1181	1179
15°	3612	3235	2630	1941	1383	1088	989	998	1010	1011
17.5°	3736	3222	2379	1543	1054	920	892	918	952	953
20°	3869	3168	2082	1187	903	854	852	872	908	912
22.5°	4003	3067	1717	960	829	818	812	825	861	865
25°	4140	2912	1358	829	784	779	770	778	808	813
27.5°	4283	2732	1071	746	733	731	728	725	752	758
30°	4417	2475	851	687	672	674	671	671	693	698
32.5°	4558	2204	714	634	611	608	611	614	628	633
35°	4711	1890	636	585	554	540	541	546	556	561
37.5°	4887	1590	584	540	502	479	467	467	478	478
40°	5101	1273	546	498	454	420	397	380	375	383
42.5°	5360	1013	514	465	409	367	325	290	281	284
45°	5685	793	484	431	363	309	253	207	195	198
47.5°	6075	650	453	394	315	251	178	140	139	142
50°	6532	555	416	358	269	189	120	98	107	112
52.5°	7038	501	380	323	221	132	85	78	90	94
55°	7548	464	345	283	172	94	67	66	79	82
57.5°	7983	421	311	238	130	75	59	59	72	75
60°	8325	364	271	182	100	66	52	52	66	69
62.5°	8585	281	211	135	85	62	47	46	60	64
65°	8648	195	154	103	77	59	42	40	54	57
67.5°	8361	138	115	83	72	57	38	34	47	50
70°	7263	107	89	68	69	56	35	29	38	40
72.5°	4900	88	72	58	65	53	31	23	30	31
75°	1740	71	57	47	56	47	26	18	22	23
77.5°	313	52	41	34	43	37	21	13	16	16
80°	79	30	24	19	29	26	16	10	11	11
82.5°	33	16	16	13	16	16	10	6	7	7
85°	19	13	13	11	11	10	7	4	2	3
87.5°	13	12	11	10	9	6	4	2	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)