

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: INVUE

Report Number: P148770

Luminaire Tested: **VXS-E06-LED-E1-RW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148770
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E06-LED-E1-RW
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18743.6 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 150.5
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

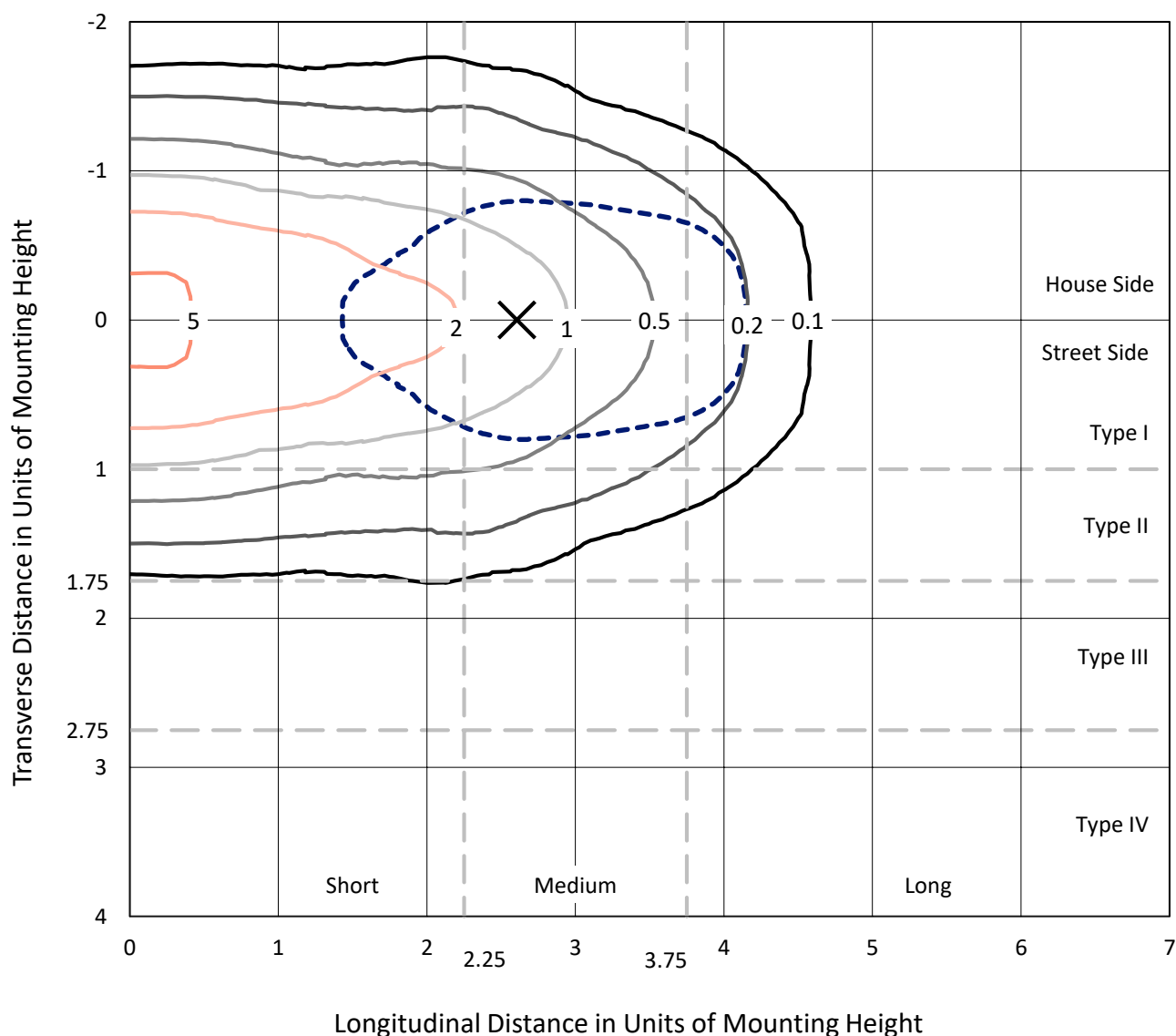


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

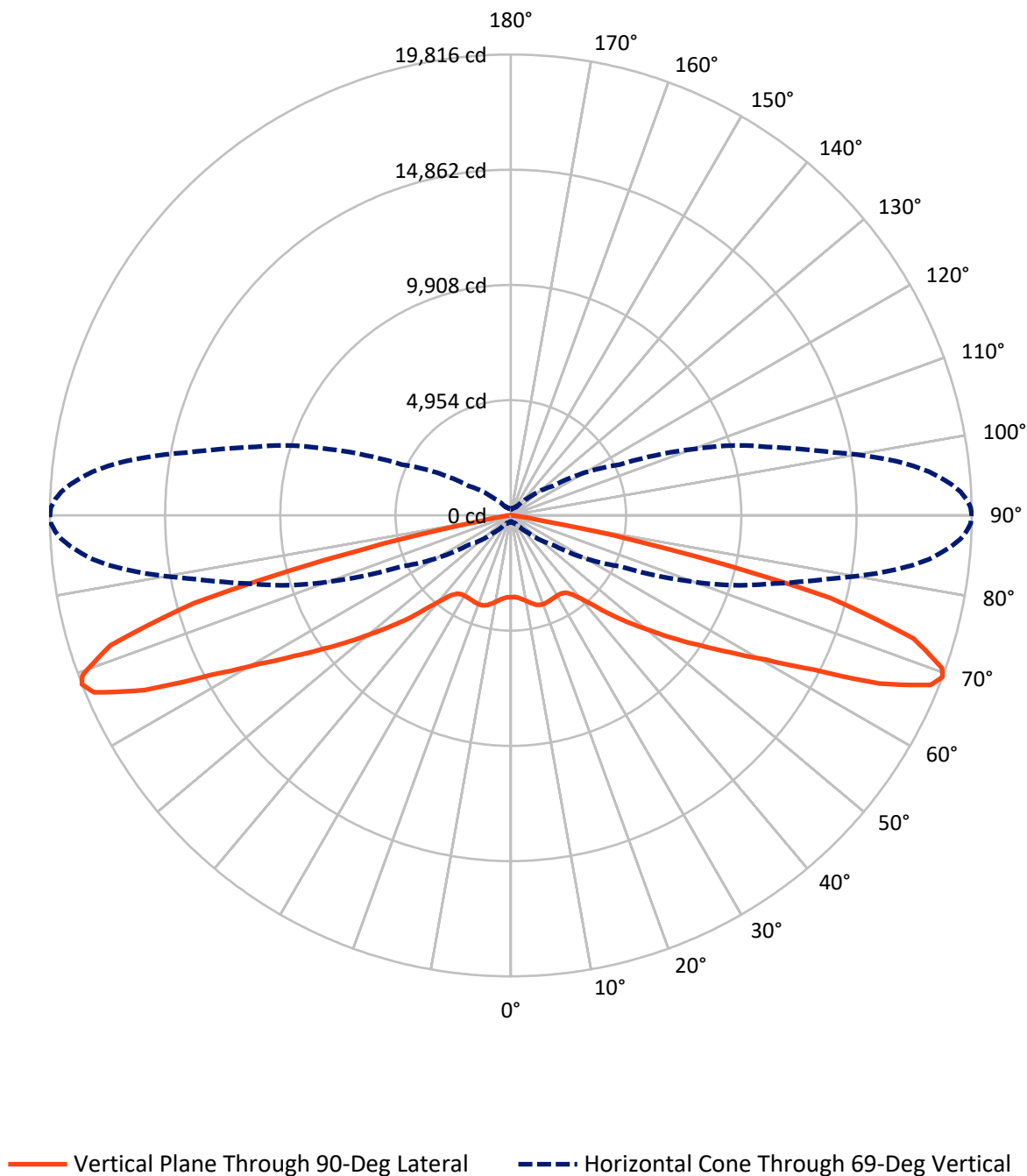


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9371.8	0.0	9371.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9371.8	0.0	9371.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	18743.6	0.0	18743.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	1.8
10°-20°	1086.7	5.8
20°-30°	1760.6	9.4
30°-40°	2194.2	11.7
40°-50°	2741.9	14.6
50°-60°	3385.6	18.1
60°-70°	4206.8	22.4
70°-80°	2792.8	14.9
80°-90°	230.6	1.2
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°	18743.6	100.0
0°-180°	18743.6	100.0

Coefficient of Utilization



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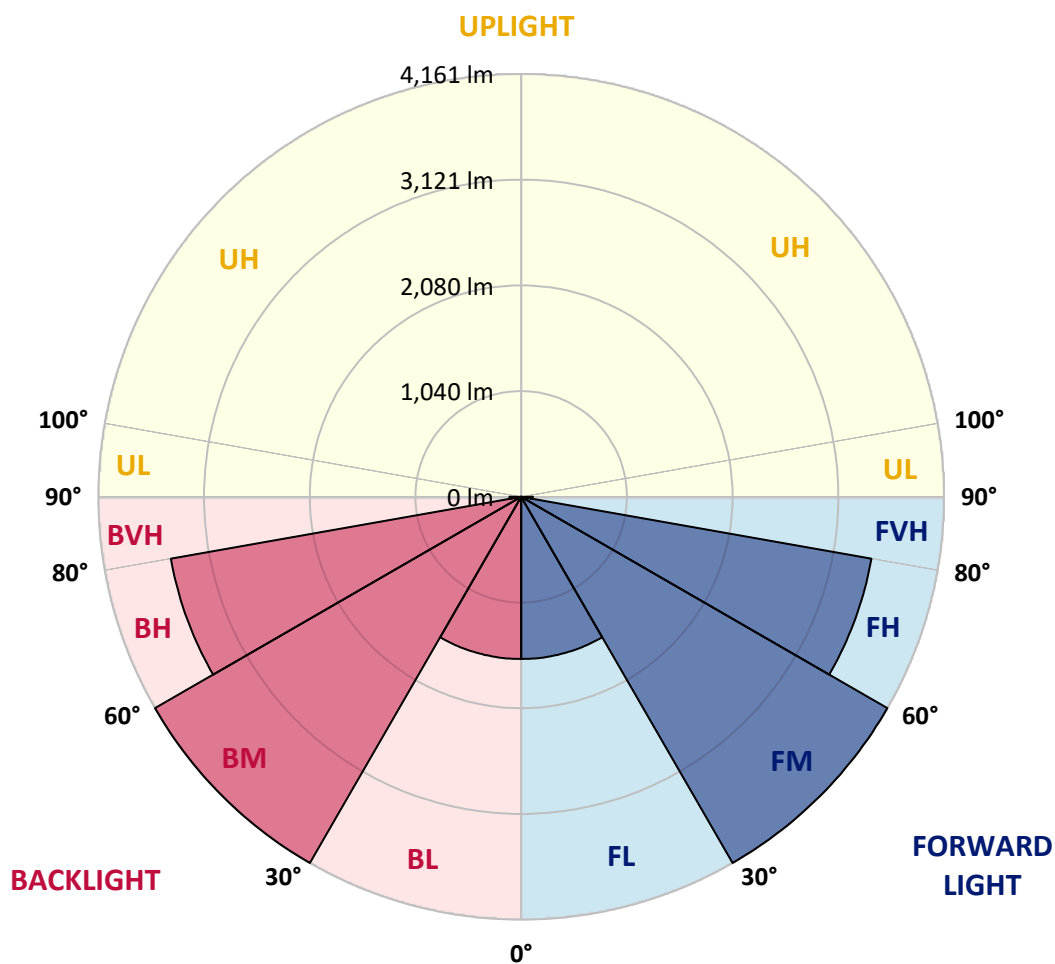
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1595.9	8.5			
FM	(30°-60°)	4160.8	22.2			
FH	(60°-80°)	3499.8	18.7			G2/5000
FVH	(80°-90°)	115.3	0.6			G2/225
BL	(0°-30°)	1595.9	8.5	B3/2500		
BM	(30°-60°)	4160.8	22.2	B3/5000		
BH	(60°-80°)	3499.8	18.7	B4/5000		G4/5000
BVH	(80°-90°)	115.3	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	3512	3512	3512	3512	3512	3512	3512	3512	3512	3512	3512
2.5°	3528	3531	3529	3533	3532	3532	3530	3526	3526	3525	3525
5°	3562	3558	3564	3570	3568	3569	3568	3568	3568	3567	3567
7.5°	3598	3597	3601	3617	3619	3625	3632	3637	3637	3637	3638
10°	3629	3630	3640	3663	3675	3694	3713	3728	3729	3730	3731
12.5°	3654	3655	3670	3706	3735	3771	3812	3835	3837	3839	3841
15°	3656	3659	3685	3744	3802	3861	3910	3941	3943	3944	3946
17.5°	3630	3632	3676	3763	3860	3952	4003	4017	4018	4018	4019
20°	3562	3567	3629	3758	3906	4026	4079	4060	4058	4056	4054
22.5°	3452	3451	3532	3706	3915	4084	4131	4081	4075	4069	4063
25°	3274	3286	3381	3589	3864	4097	4168	4092	4084	4075	4067
27.5°	3081	3088	3189	3412	3745	4052	4186	4114	4105	4095	4086
30°	2856	2865	2973	3206	3554	3936	4181	4164	4153	4142	4131
32.5°	2636	2646	2743	2998	3353	3777	4151	4235	4224	4212	4201
35°	2408	2423	2541	2799	3159	3600	4105	4326	4320	4313	4307
37.5°	2219	2222	2336	2607	2979	3431	4044	4441	4446	4450	4455
40°	2008	2027	2141	2427	2816	3288	3986	4597	4621	4645	4669
42.5°	1819	1821	1937	2232	2639	3173	3954	4785	4836	4887	4938
45°	1620	1628	1733	2018	2435	3037	3953	5002	5084	5165	5247
47.5°	1432	1435	1546	1811	2201	2847	3946	5235	5346	5457	5568
50°	1252	1249	1358	1613	1970	2598	3885	5499	5639	5780	5920
52.5°	1046	1060	1173	1417	1760	2345	3707	5788	5956	6124	6291
55°	844	850	971	1199	1547	2109	3397	6054	6252	6450	6647
57.5°	622	640	746	971	1331	1910	3003	6192	6433	6673	6914
60°	439	453	547	736	1094	1701	2664	6115	6428	6741	7053
62.5°	342	353	428	551	853	1492	2421	5866	6292	6717	7143
65°	300	310	378	441	637	1279	2288	5603	6166	6728	7291
67.5°	271	283	342	386	519	1116	2253	5437	6074	6711	7349
69°	258	270	323	360	482	1058	2193	5176	5810	6443	7077
70°	250	260	309	347	470	1018	2093	4850	5472	6094	6716
72.5°	232	237	280	317	436	823	1610	3602	4141	4681	5220
75°	205	211	251	287	340	511	1019	2228	2631	3033	3436
77.5°	177	182	217	274	264	319	609	1240	1474	1707	1941
80°	142	148	179	272	218	248	438	867	930	993	1056
82.5°	104	109	140	220	167	187	334	735	757	779	801
85°	53	54	89	134	106	97	188	503	517	531	545
87.5°	9	9	20	23	26	16	24	86	89	91	94
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	3512	3512	3512	3512	3512	3512	3512	3512	3512	3512	3512
2.5°	3524	3524	3522	3522	3523	3523	3524	3524	3525	3522	3521
5°	3566	3566	3566	3566	3566	3566	3567	3569	3568	3566	3565
7.5°	3638	3638	3639	3638	3640	3639	3637	3640	3642	3643	3645
10°	3732	3734	3737	3737	3740	3740	3740	3743	3746	3746	3749
12.5°	3843	3845	3847	3849	3852	3850	3855	3857	3860	3866	3863
15°	3947	3949	3954	3955	3958	3960	3964	3966	3967	3971	3972
17.5°	4019	4020	4022	4021	4024	4023	4026	4028	4030	4033	4037
20°	4052	4051	4049	4048	4046	4043	4044	4045	4046	4048	4052
22.5°	4057	4052	4045	4041	4035	4030	4025	4025	4026	4025	4028
25°	4058	4050	4040	4029	4020	4009	3999	3998	3995	3996	3997
27.5°	4076	4067	4053	4040	4022	4006	3991	3986	3980	3977	3975
30°	4120	4109	4093	4076	4056	4032	4010	4003	3995	3989	3983
32.5°	4189	4178	4160	4143	4116	4093	4071	4060	4049	4037	4026
35°	4301	4295	4279	4264	4244	4226	4206	4194	4175	4166	4152
37.5°	4459	4464	4464	4466	4460	4451	4437	4424	4418	4393	4377
40°	4693	4717	4738	4755	4770	4785	4798	4790	4793	4786	4777
42.5°	4989	5041	5087	5134	5168	5220	5257	5269	5298	5310	5332
45°	5328	5410	5488	5561	5628	5704	5777	5832	5891	5959	6026
47.5°	5679	5791	5906	6001	6098	6210	6307	6389	6496	6596	6705
50°	6060	6201	6332	6449	6574	6703	6836	6957	7102	7260	7432
52.5°	6459	6627	6779	6925	7073	7220	7362	7533	7711	7921	8135
55°	6845	7043	7216	7378	7547	7711	7858	8086	8305	8556	8836
57.5°	7155	7396	7595	7788	7978	8153	8333	8590	8870	9162	9518
60°	7366	7679	7933	8165	8399	8619	8826	9162	9495	9858	10301
62.5°	7568	7994	8326	8642	8957	9239	9497	9920	10354	10804	11330
65°	7853	8416	8904	9346	9781	10197	10582	11118	11666	12258	12886
67.5°	7986	8623	9259	9854	10407	10933	11428	12076	12721	13407	14166
69°	7710	8344	9023	9673	10284	10842	11378	12040	12711	13410	14176
70°	7338	7961	8647	9326	9910	10492	11047	11704	12383	13085	13886
72.5°	5759	6299	6968	7627	8213	8797	9336	10008	10692	11429	12188
75°	3838	4241	4740	5351	5889	6404	6927	7495	8163	8770	9465
77.5°	2174	2408	2697	3095	3481	3789	4162	4429	4817	5151	5505
80°	1119	1182	1268	1364	1418	1410	1465	1410	1422	1378	1330
82.5°	823	845	884	903	901	838	771	678	597	511	432
85°	559	573	583	598	593	566	506	425	347	278	223
87.5°	97	100	99	107	107	100	82	70	59	44	31
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	3512	3512	3512	3512	3512	3512	3512	3512	3512	3512	3512
2.5°	3520	3520	3522	3520	3520	3520	3519	3521	3520	3517	3514
5°	3566	3563	3562	3564	3566	3562	3565	3568	3563	3564	3562
7.5°	3643	3642	3641	3643	3643	3642	3643	3640	3638	3641	3644
10°	3746	3745	3747	3747	3751	3749	3748	3751	3749	3747	3748
12.5°	3867	3864	3869	3869	3872	3872	3871	3872	3871	3868	3866
15°	3975	3971	3972	3980	3979	3981	3981	3979	3978	3977	3978
17.5°	4040	4038	4038	4042	4045	4044	4044	4044	4043	4044	4046
20°	4052	4052	4053	4057	4062	4059	4059	4061	4059	4061	4062
22.5°	4029	4031	4033	4038	4039	4039	4039	4040	4042	4042	4044
25°	3997	3999	4002	4006	4010	4010	4010	4012	4012	4013	4014
27.5°	3973	3975	3978	3982	3987	3987	3987	3989	3989	3990	3992
30°	3976	3972	3975	3977	3980	3980	3979	3980	3981	3981	3982
32.5°	4019	4010	4007	4006	4007	4004	4003	4001	3999	3999	3998
35°	4133	4119	4118	4110	4102	4094	4095	4089	4091	4086	4082
37.5°	4367	4351	4361	4344	4333	4325	4316	4304	4297	4306	4306
40°	4786	4775	4772	4775	4765	4770	4748	4742	4729	4738	4750
42.5°	5365	5358	5396	5403	5407	5413	5417	5384	5383	5376	5356
45°	6080	6122	6120	6166	6168	6154	6160	6145	6139	6117	6144
47.5°	6815	6895	6925	6935	6973	6982	6946	6934	6955	6919	6924
50°	7604	7690	7760	7807	7834	7836	7809	7803	7822	7754	7786
52.5°	8380	8510	8642	8712	8762	8766	8787	8762	8772	8756	8788
55°	9145	9370	9525	9662	9749	9824	9831	9858	9860	9893	9860
57.5°	9893	10138	10408	10651	10786	10871	10951	11060	11084	11071	11092
60°	10776	11155	11522	11802	12035	12258	12378	12549	12576	12650	12586
62.5°	11892	12442	12940	13317	13671	14018	14280	14412	14492	14647	14596
65°	13604	14264	14923	15463	15959	16372	16770	16960	17170	17390	17430
67.5°	15014	15831	16574	17232	17833	18292	18706	19035	19291	19453	19466
69°	15078	15927	16734	17440	18067	18555	18991	19357	19606	19772	19816
70°	14772	15641	16501	17214	17856	18355	18817	19166	19444	19613	19672
72.5°	13051	13979	14898	15523	16179	16773	17143	17499	17891	17942	18104
75°	10288	11068	11781	12259	12807	13340	13703	13797	14002	14260	14168
77.5°	5962	6202	6662	6780	6680	6912	6989	6825	6817	6968	6668
80°	1321	1246	1340	1270	1272	1274	1253	1245	1260	1245	1224
82.5°	366	354	356	352	359	354	351	359	358	357	364
85°	176	174	171	170	166	161	153	153	157	151	154
87.5°	23	22	22	26	23	19	19	19	18	18	18
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)