

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: LUMARK

Report Number: 766728

Luminaire Tested: **HPNK-X-76-1000**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: 766728  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: HPNK-X-76-1000  
Description: 7H X 6V FLOOD  
Light Source: 1000W HPS CL HOR E-25  
Ballast/Driver: -

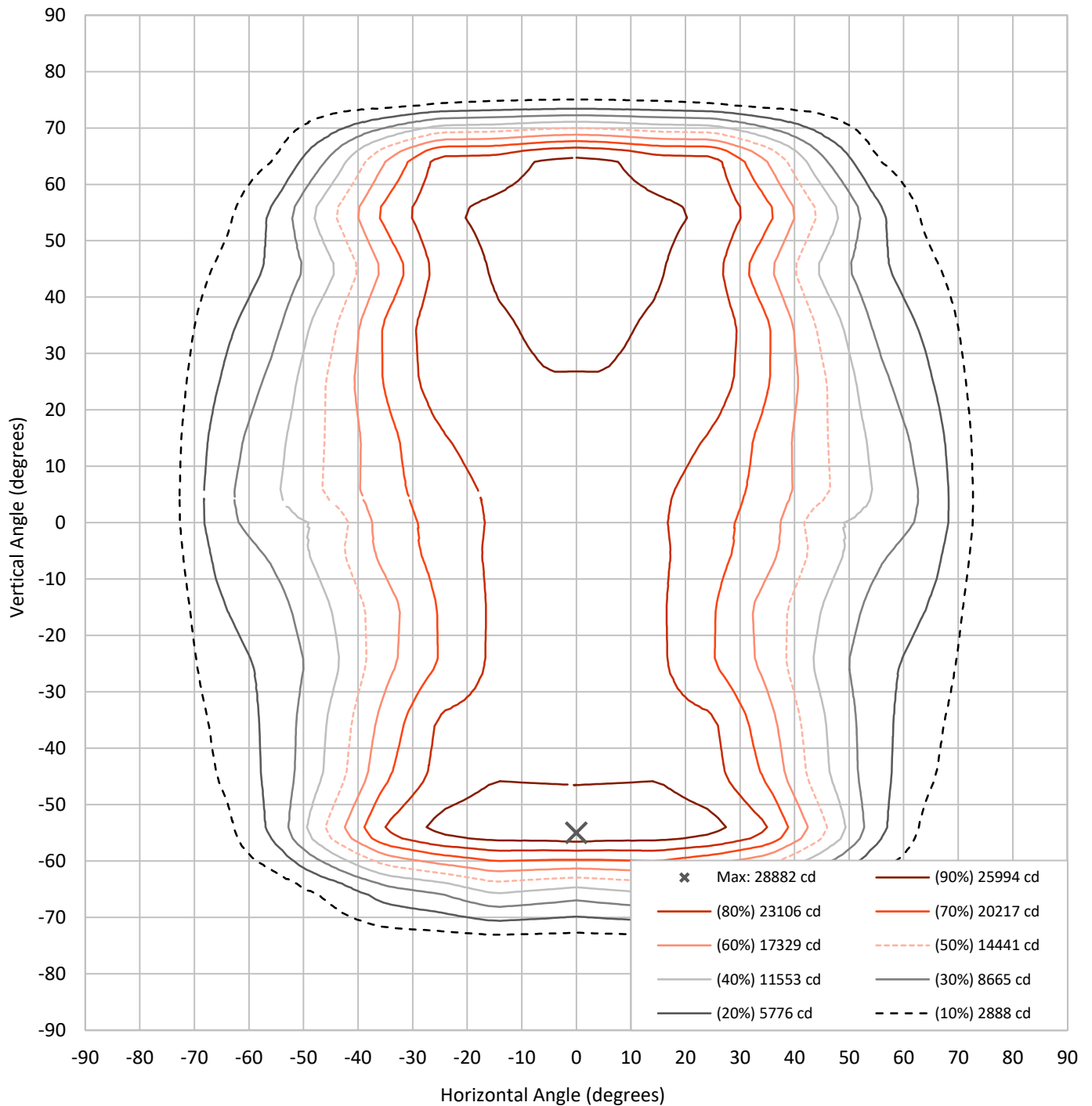
**Summary**

Lumens per Lamp:	140000 (1 lamp)	NEMA Type:	6H x 7V
Luminaire Lumens:	83641.1 lumens	Max Intensity:	28882 candela
Efficiency:	59.7%	Max Intensity Angle:	0°H x -55°V
Efficacy:	83.6 lumens/watt		
Luminous Opening:	Point Source (0' x 0' x 0')		
Beam Angle (50%):	92.6°H x 132.9°V	Field Angle (10%):	125.1°H x 147.3°V
Beam Lumens:	68876.3 lumens	Field Lumens:	82835.5 lumens
Beam Efficiency:	82.3%	Field Efficiency:	99.0%
Input Watts (W):	1000		
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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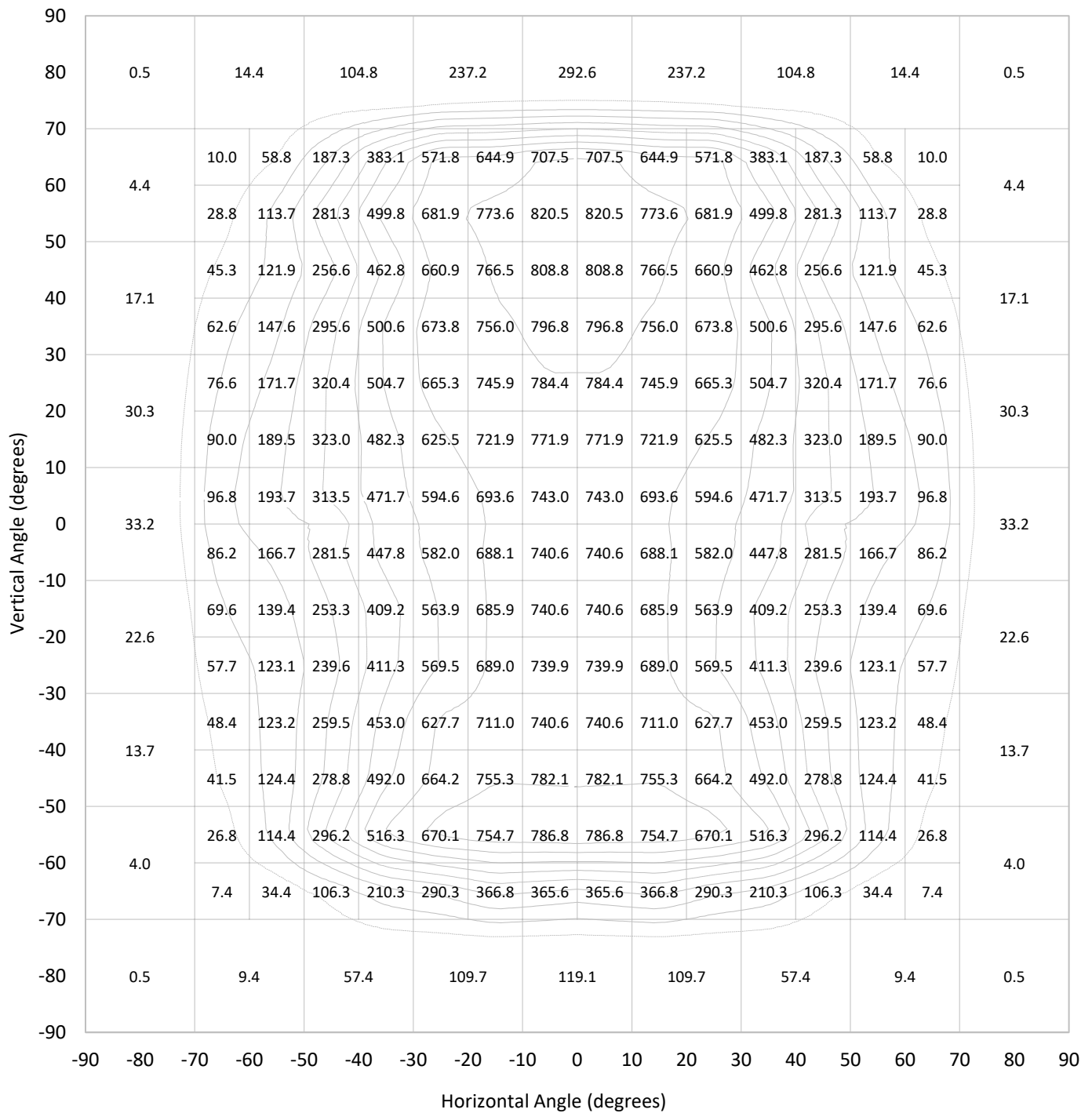
### Iso-Candela Plot





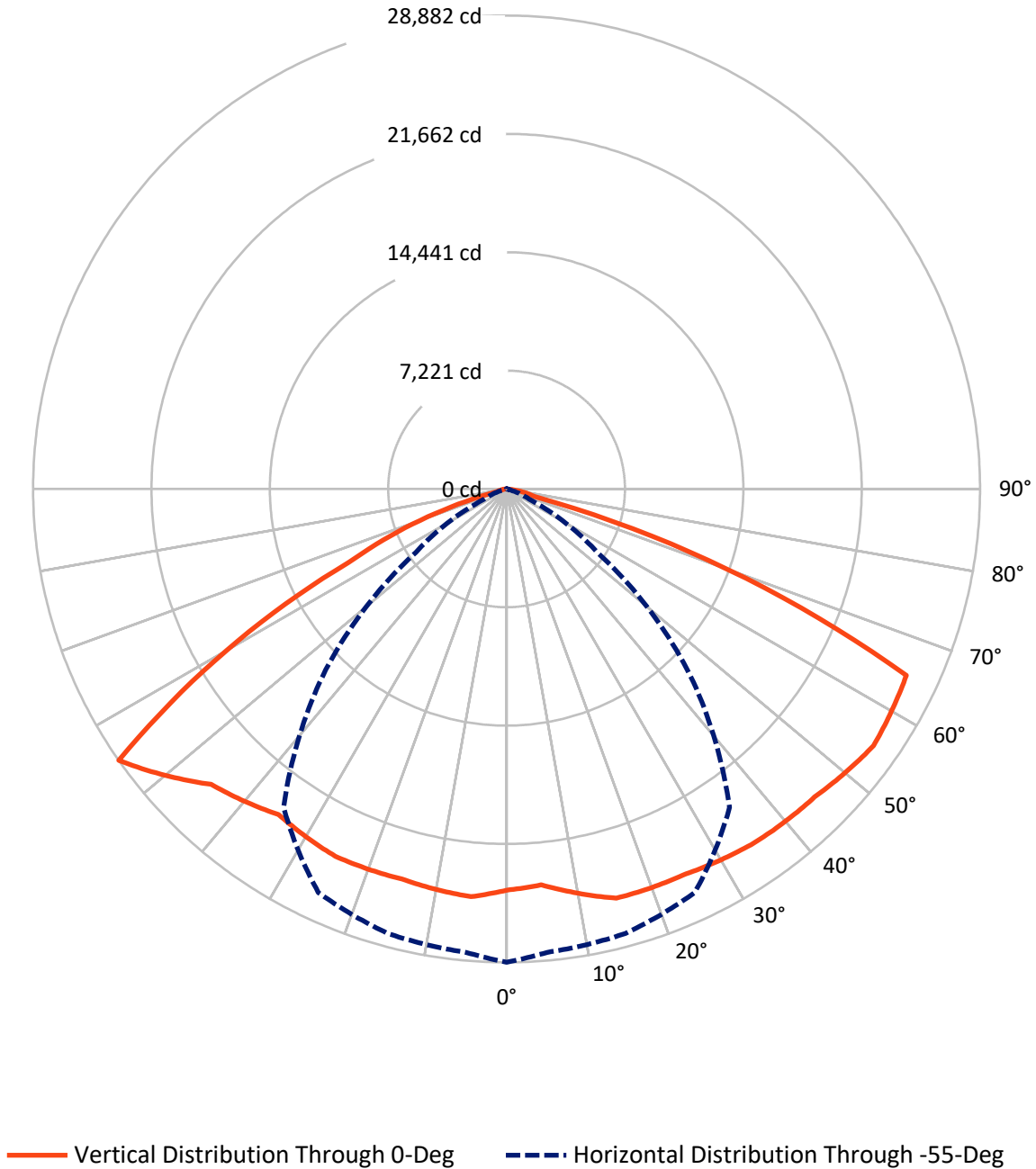
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### Lumen Table



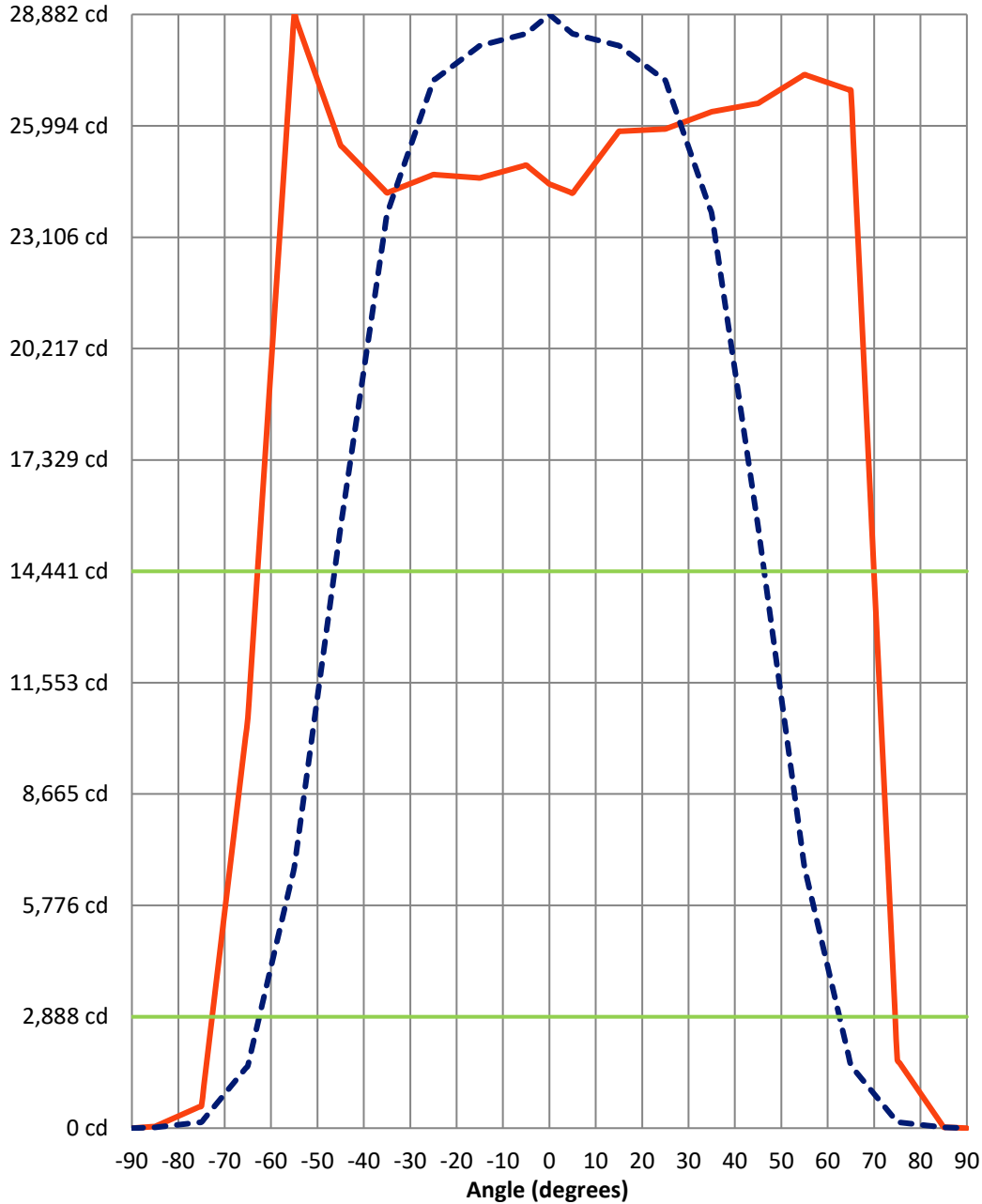
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 92.6°  
 V Angle: 132.9°  
 Lumens: 68876.3  
 Efficiency: 82.3%

**Field:**  
 H Angle: 125.1°  
 V Angle: 147.3°  
 Lumens: 82835.5  
 Efficiency: 99.0%

**Spill:**  
 Lumens: 805.6  
 Efficiency: 1.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -55-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	26	26	36	30	31	43	18	8	15	20	0
75°	1778	1746	1618	1040	484	825	254	95	25	17	0
65°	26911	26433	24309	24143	16972	8812	2750	337	71	15	0
55°	27322	27362	26738	25510	21286	13963	6600	1835	180	18	0
45°	26578	26765	26238	24170	17921	10831	6514	3416	415	26	0
35°	26359	26397	25716	25030	20698	13694	8145	4954	786	33	0
25°	25912	25908	25508	24715	20535	14948	9589	6002	1144	39	0
15°	25851	25665	24707	22790	19310	14902	10808	7258	1350	44	0
5°	24248	24531	23656	21532	19299	15041	11304	7920	1400	47	0
0°	24484	24519	23542	21068	18970	12264	10508	7831	1371	48	0
-5°	24975	24403	23654	21312	18395	13234	9275	7010	1243	48	0
-15°	24642	24523	23581	20472	16166	11504	7633	5617	936	46	0
-25°	24729	24474	23662	20375	16473	10593	6612	4641	786	42	0
-35°	24256	24243	24170	23549	18414	11932	6758	3639	615	37	0
-45°	25491	25638	25815	24133	19739	12358	6792	3135	353	29	0
-55°	28882	28383	28072	27169	23713	15594	6757	1622	156	20	0
-65°	10643	11251	12400	9271	7515	3721	1108	305	69	13	0
-75°	578	599	642	629	652	506	283	74	32	11	0
-85°	44	48	50	40	36	31	17	14	18	10	0
-90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)