

Scaled data based on original data using  
LM-31-95 IESNA Approved Method for Photometric Testing of Roadway Luminaires  
Using Incandescent Filament and High Intensity Discharge Lamps

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: 766721\_320MP

Luminaire Tested: **GPF32PXX76**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-31-95  
Report Number: 766721\_320MP  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GPF32PXX76  
Description: 400W MH 7H X 6V FLOOD  
Light Source: 320 WATT PULSE-START CLEAR ED-28 UNIVERSAL BURN  
Ballast/Driver: -

**Summary**

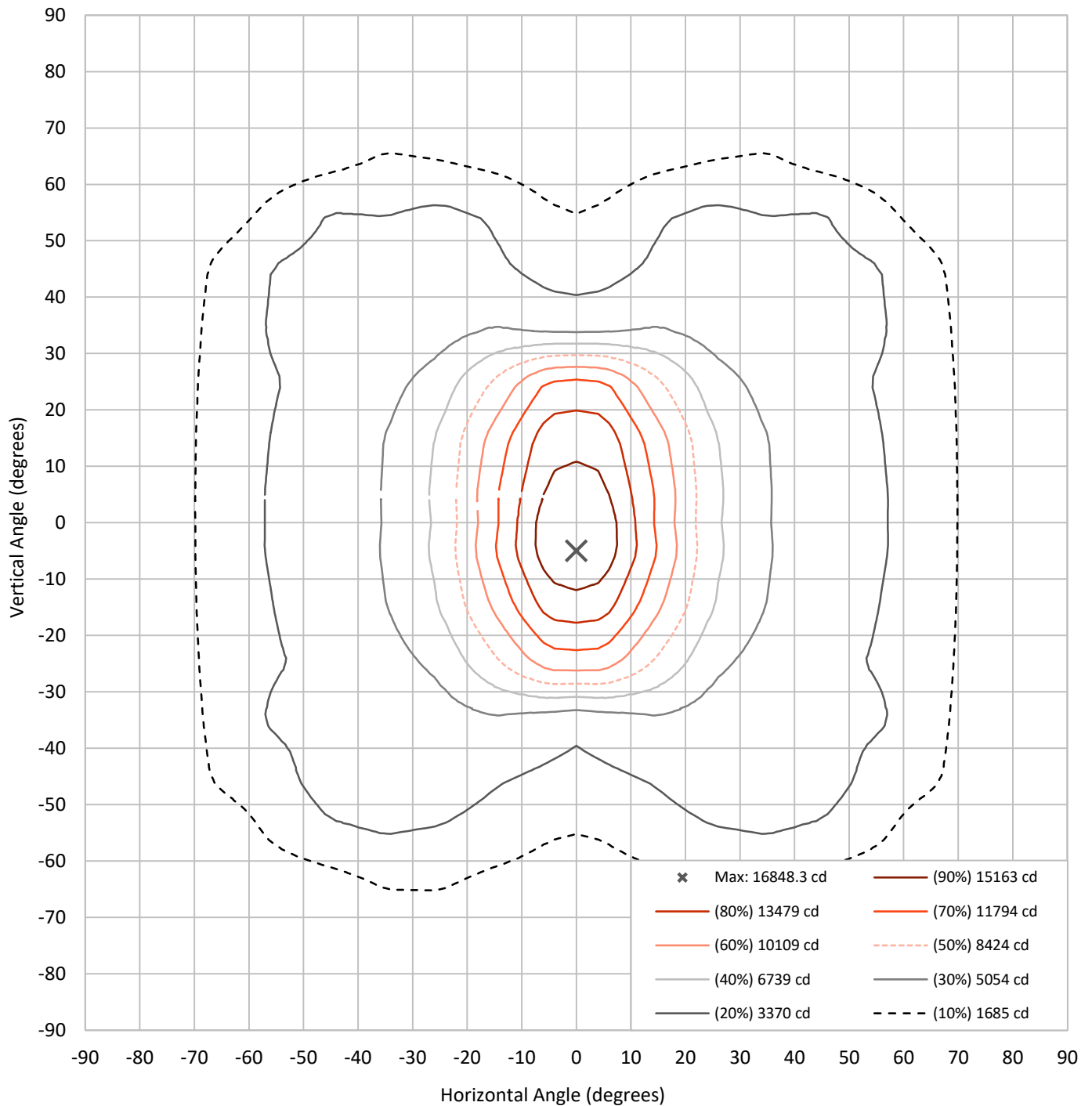
Lumens per Lamp:	30000 (1 lamp)	NEMA Type:	7H x 6V
Luminaire Lumens:	21785.6 lumens	Max Intensity:	16848.3 candela
Efficiency:	72.6%	Max Intensity Angle:	0°H x -5°V
Efficacy:	62.2 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 1.54' x L: 1.7' x H: 0.8')		
Beam Angle (50%):	44.5°H x 58.2°V	Field Angle (10%):	139.7°H x 109.9°V
Beam Lumens:	7522.3 lumens	Field Lumens:	20814.4 lumens
Beam Efficiency:	34.5%	Field Efficiency:	95.5%

Input Watts (W): 350  
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



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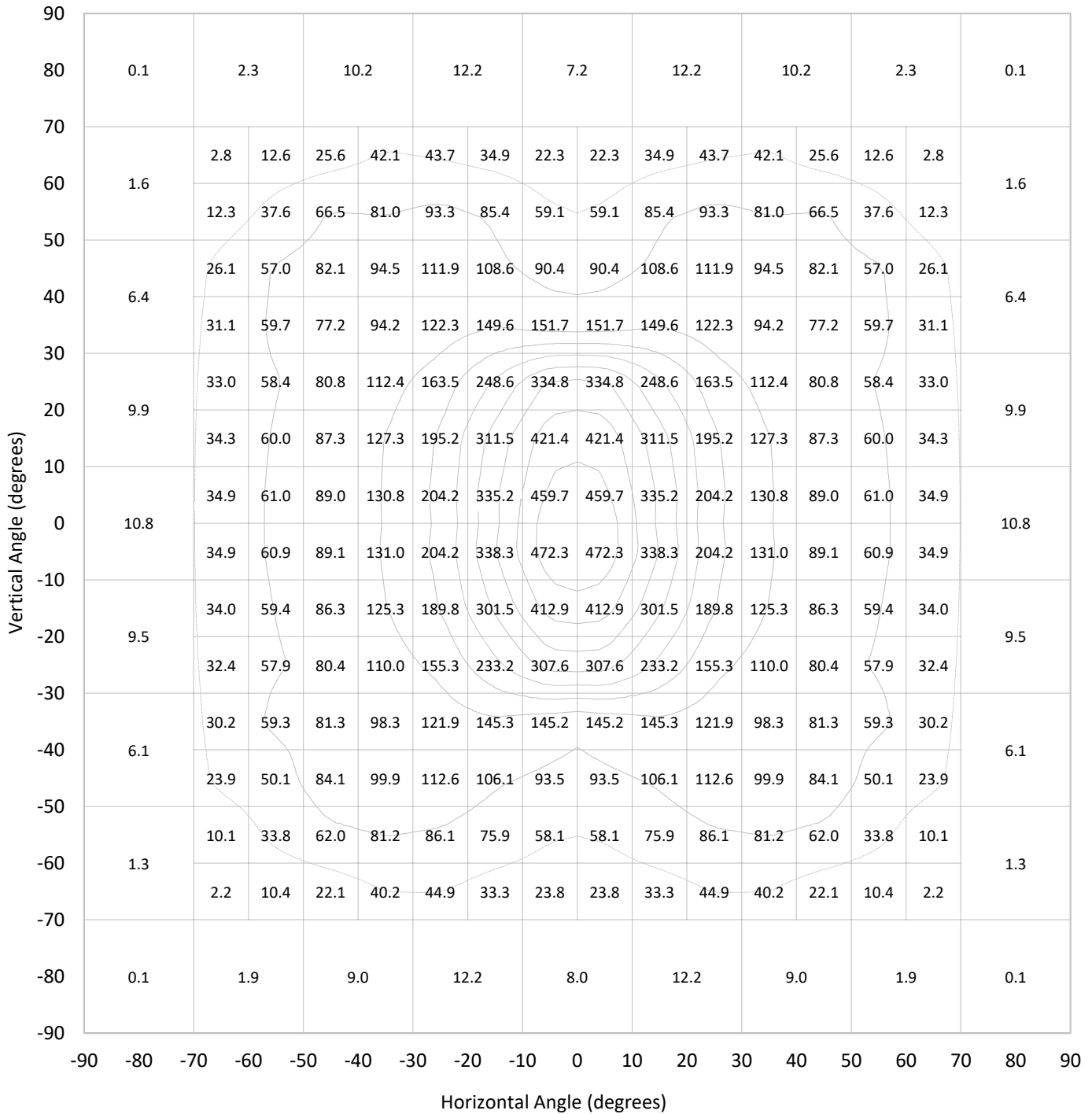
### Iso-Candela Plot





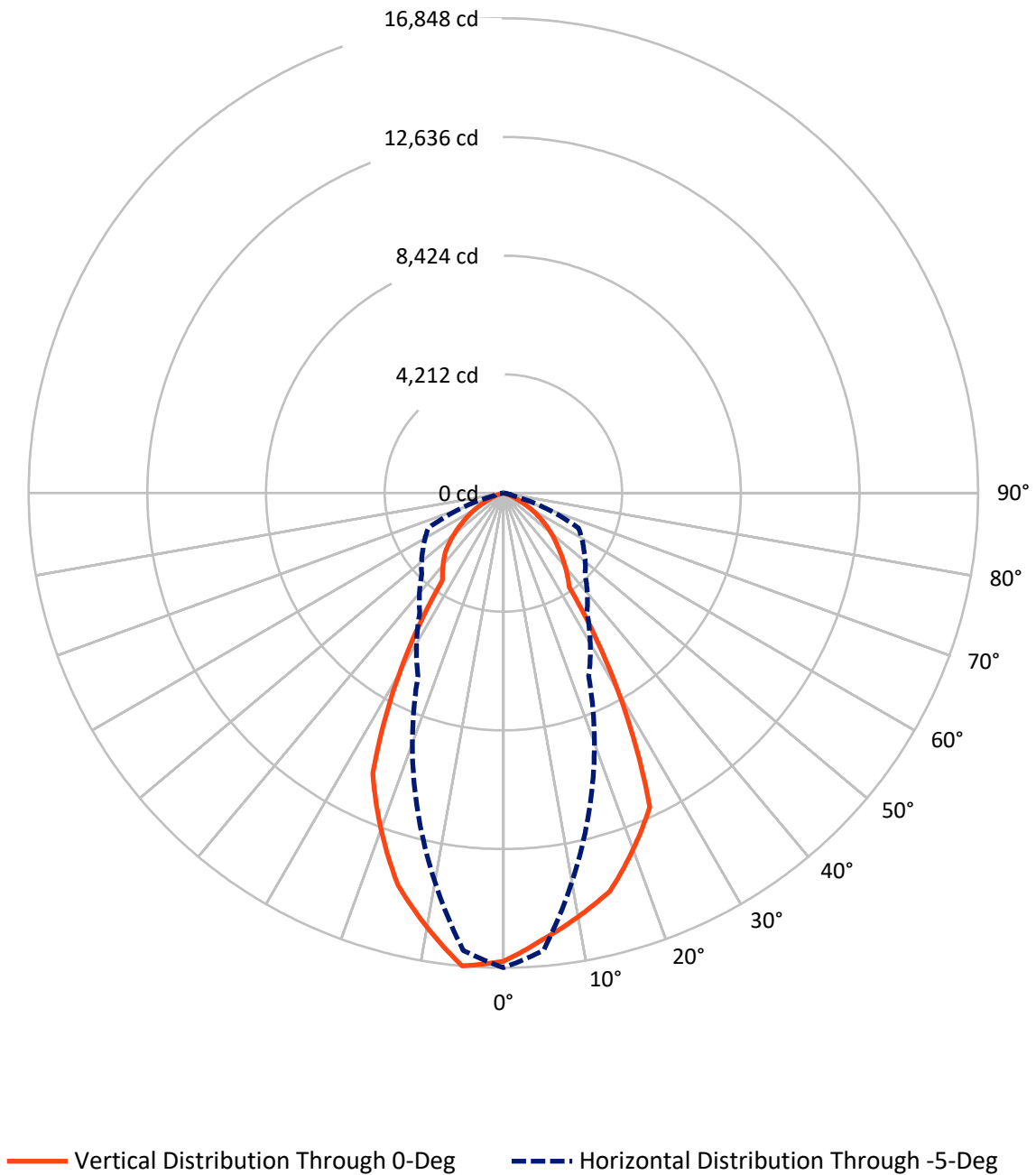
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### Lumen Table



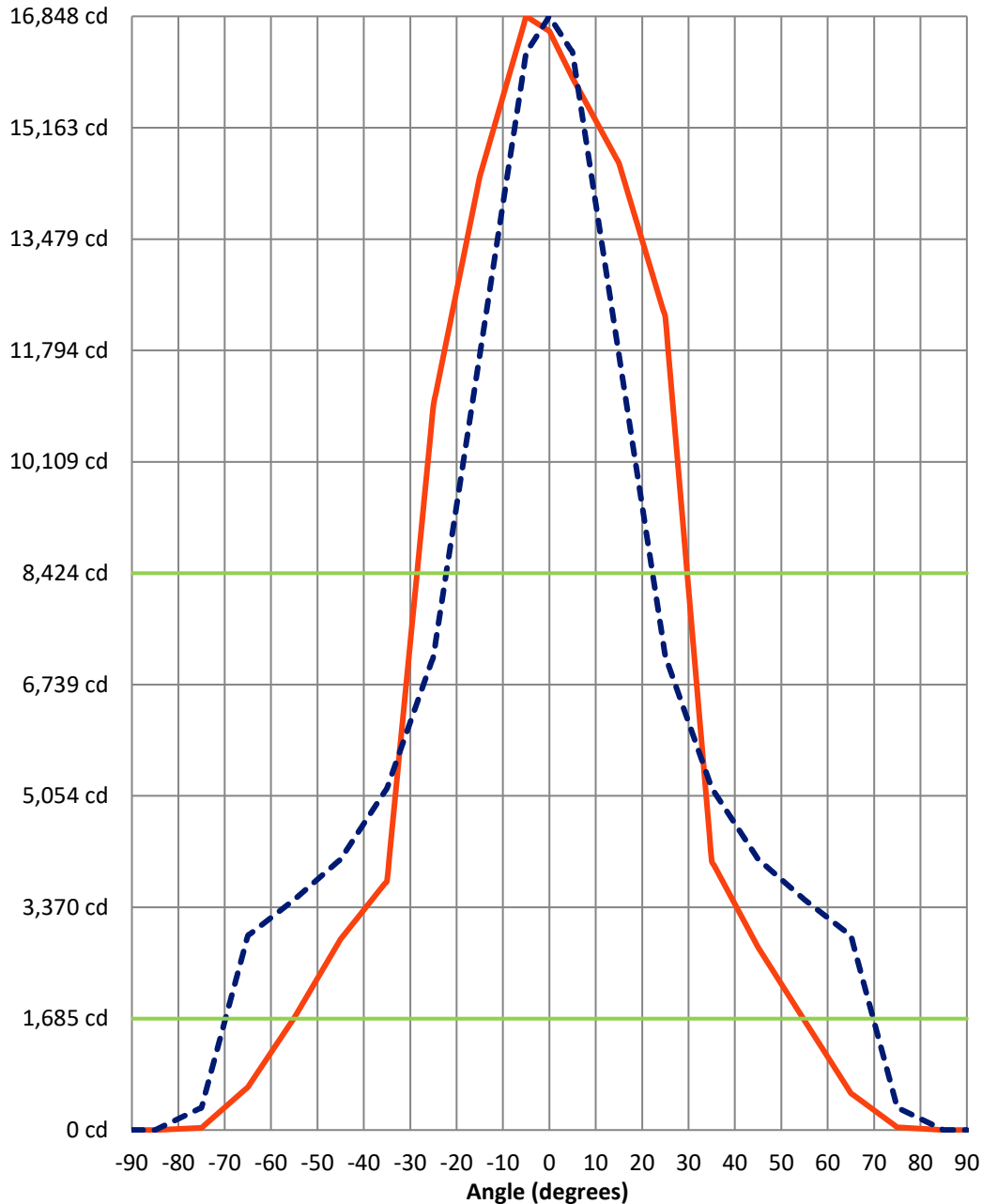
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 44.5°  
 V Angle: 58.2°  
 Lumens: 7522.3  
 Efficiency: 34.5%

**Field:**  
 H Angle: 139.7°  
 V Angle: 109.9°  
 Lumens: 20814.4  
 Efficiency: 95.5%

**Spill:**  
 Lumens: 971.1  
 Efficiency: 4.5%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through -5-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	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	4.2	4.2	3.3	5.0	2.5	0.8	1.7	2.5	3.3	0.0
75°	41.7	41.7	49.2	71.7	55.8	45.0	41.7	17.5	8.3	2.5	0.0
65°	557.5	588.3	1058.3	1533.3	1818.3	964.2	602.5	69.2	24.2	0.8	0.0
55°	1656.7	1902.5	3200.0	3673.3	3350.8	3455.0	2206.7	782.5	40.8	0.8	0.0
45°	2763.3	2869.2	3646.7	4242.5	3795.0	4056.7	3490.8	2221.7	60.8	0.8	0.0
35°	4070.8	4167.5	4913.3	4224.2	3555.0	3485.8	3564.2	2590.0	96.7	0.8	0.0
25°	12295.0	12040.0	8609.2	5810.8	4465.0	3683.3	3335.8	2784.2	249.2	0.8	0.0
15°	14625.8	14500.0	10772.5	6936.7	5054.2	4031.7	3434.2	2894.2	324.2	0.0	0.0
5°	15915.8	15550.8	11526.7	7150.0	5138.3	4081.7	3484.2	2941.7	350.0	0.0	0.0
0°	16623.3	16328.3	11416.7	7055.0	5115.0	4075.0	3483.3	2942.5	341.7	0.0	0.0
-5°	16848.3	16300.0	11726.7	7165.8	5172.5	4097.5	3485.0	2940.0	339.2	0.0	0.0
-15°	14425.8	14175.0	10335.8	6744.2	4979.2	3984.2	3392.5	2873.3	299.2	1.7	0.0
-25°	10963.3	10889.2	8036.7	5440.8	4340.8	3635.0	3293.3	2723.3	216.7	2.5	0.0
-35°	3770.8	4107.5	4809.2	4235.8	3780.8	3760.0	3614.2	2501.7	96.7	3.3	0.0
-45°	2888.3	3108.3	3554.2	4333.3	4080.8	4291.7	2786.7	2100.0	60.8	3.3	0.0
-55°	1698.3	1848.3	2712.5	3230.0	3469.2	3093.3	2065.8	554.2	35.8	4.2	0.0
-65°	649.2	687.5	1006.7	1730.8	1683.3	780.0	458.3	55.0	15.0	5.0	0.0
-75°	33.3	50.0	52.5	52.5	48.3	37.5	35.8	18.3	4.2	5.8	0.0
-85°	0.0	4.2	4.2	0.0	0.0	3.3	0.8	0.8	4.2	7.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)