

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: 766722_250MP

Luminaire Tested: **GPF25PXX76**

Issue Date: 3/3/2020

Test Information

Test Method: LM-31-95
Report Number: 766722_250MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GPF25PXX76
Description: 250W MH 7H X 6V FLOOD
Light Source: 250 WATT PULSE-START CLEAR ED-28 UNIVERSAL BURN
Ballast/Driver: -

Summary

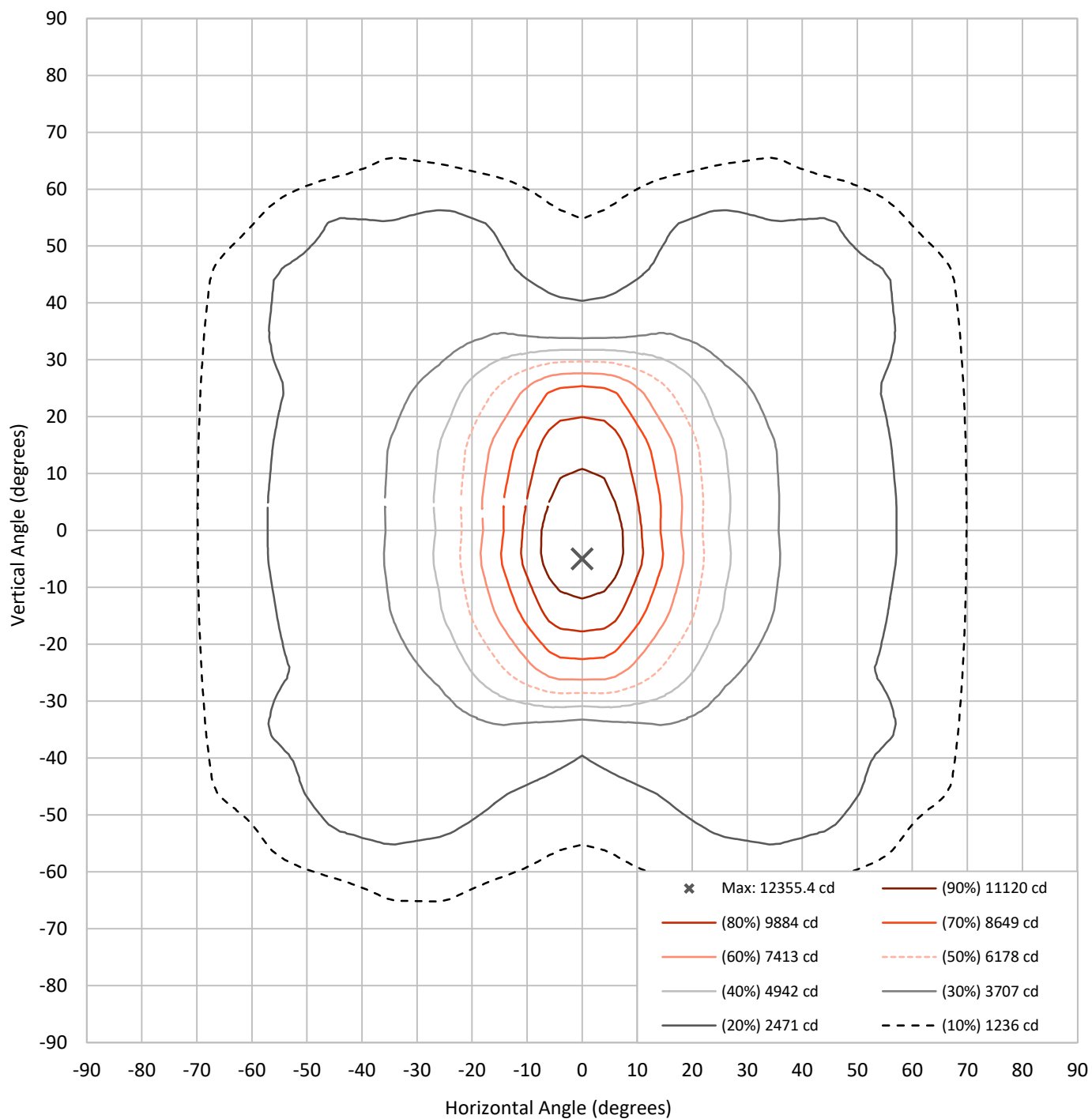
Lumens per Lamp:	22000 (1 lamp)	NEMA Type:	7H x 6V
Luminaire Lumens:	15976.2 lumens	Max Intensity:	12355.4 candela
Efficiency:	72.6%	Max Intensity Angle:	0°H x -5°V
Efficacy:	56.5 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 1.54' x L: 1.7' x H: 0.8')		
Beam Angle (50%):	44.5°H x 58.2°V	Field Angle (10%):	139.6°H x 109.9°V
Beam Lumens:	5516.5 lumens	Field Lumens:	15264.1 lumens
Beam Efficiency:	34.5%	Field Efficiency:	95.5%

Input Watts (W): 283
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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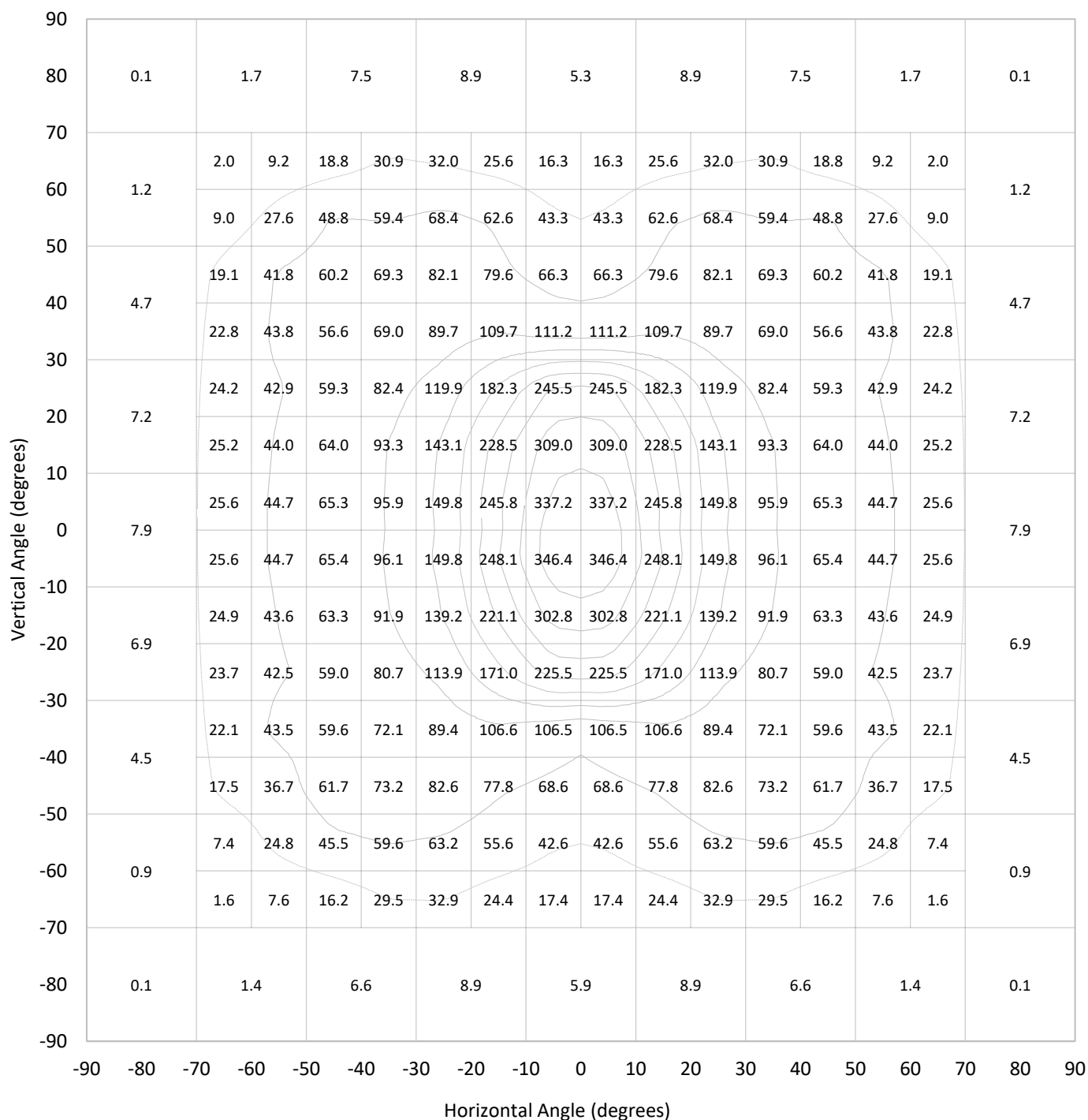
Iso-Candela Plot





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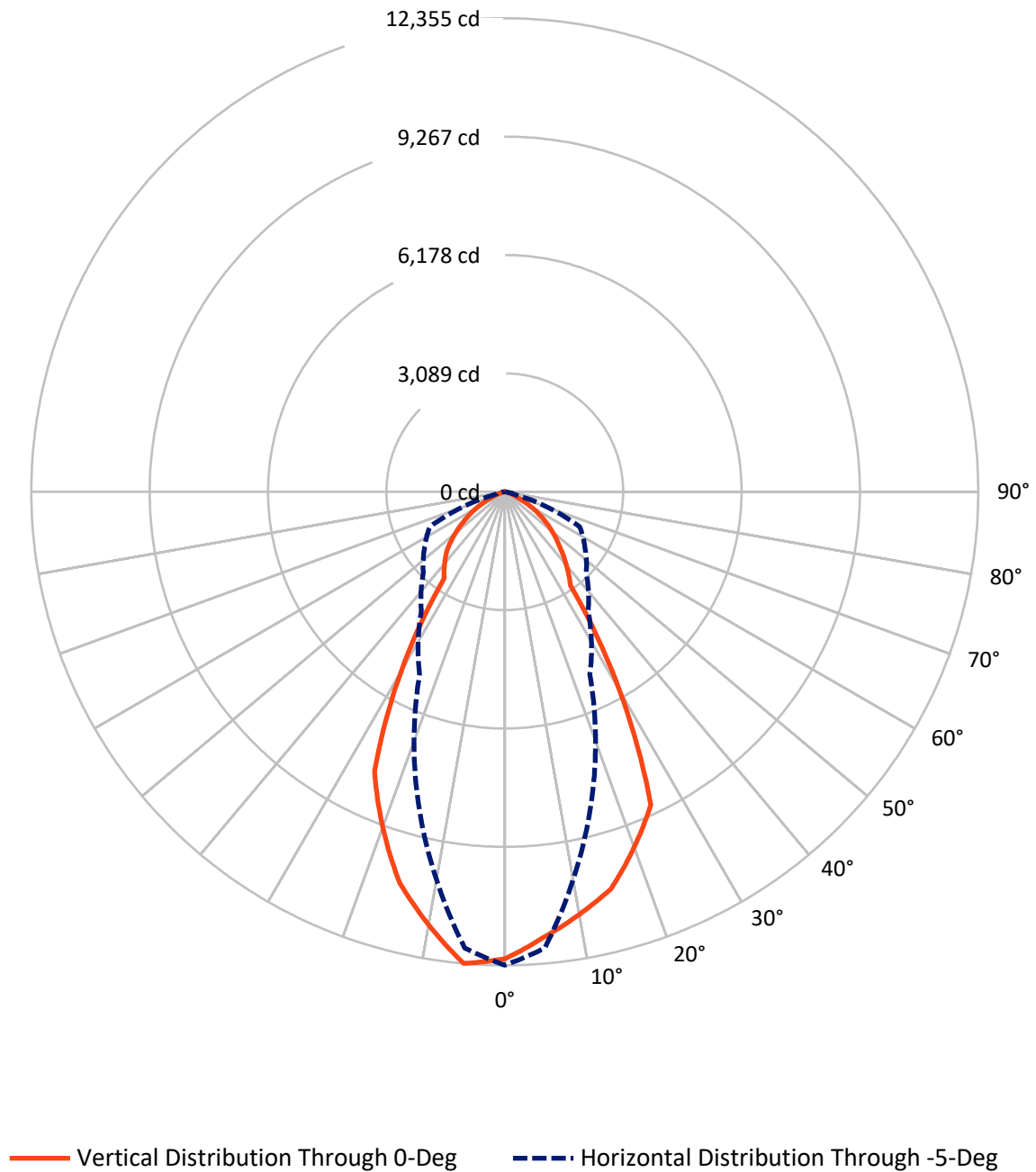
Lumen Table



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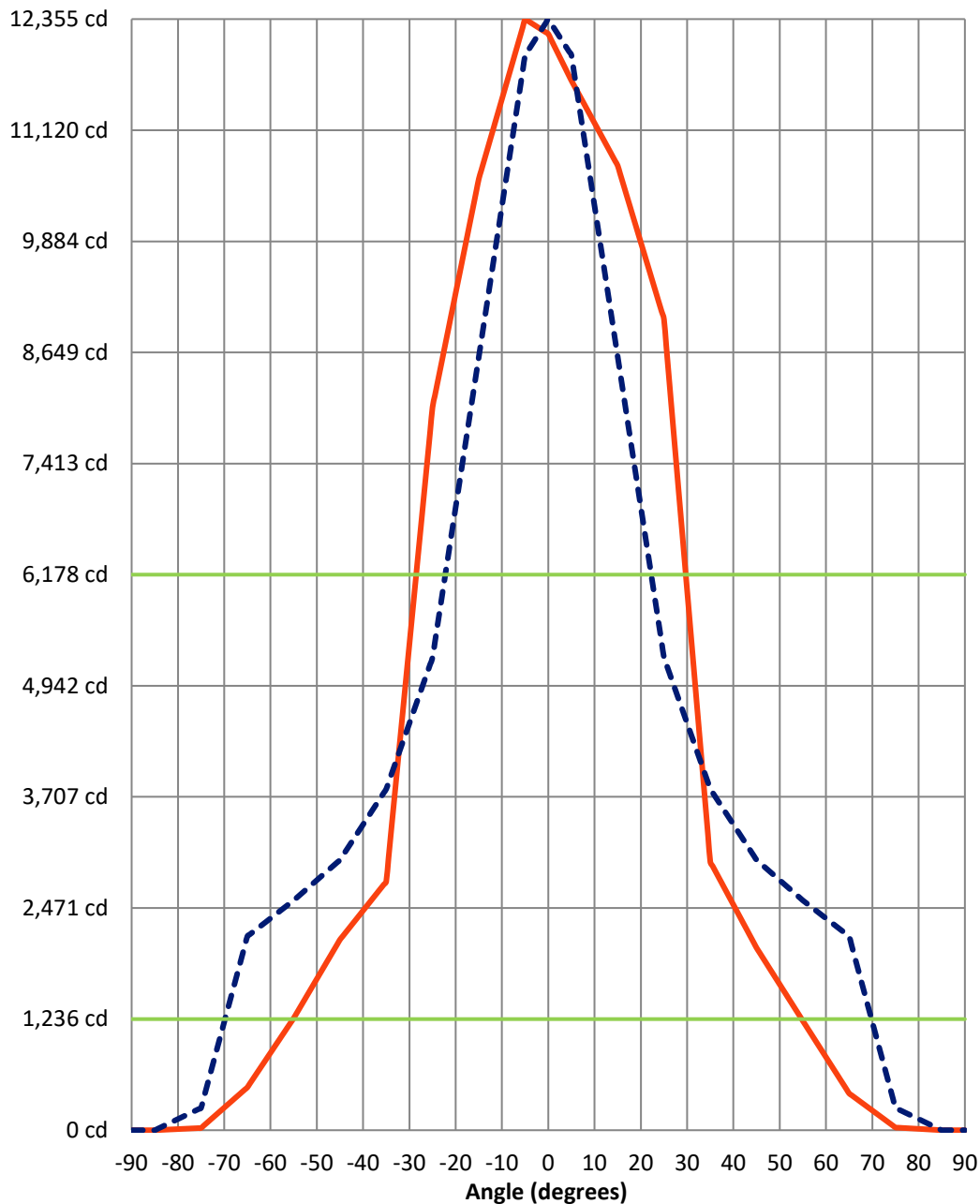
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:

H Angle: 44.5°
V Angle: 58.2°
Lumens: 5516.5
Efficiency: 34.5%

Field:

H Angle: 139.6°
V Angle: 109.9°
Lumens: 15264.1
Efficiency: 95.5%

Spill:

Lumens: 712
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	3.2	3.2	2.1	4.3	2.1	0.0	1.1	2.1	2.1	0.0
75°	30.0	30.0	35.4	52.6	41.9	33.3	30.0	12.9	6.4	2.1	0.0
65°	408.9	432.5	775.9	1123.6	1332.9	707.2	442.1	50.4	18.2	1.1	0.0
55°	1214.8	1395.1	2347.0	2693.7	2457.6	2533.8	1618.3	574.1	30.0	0.0	0.0
45°	2027.2	2104.5	2674.3	3111.1	2782.7	2974.8	2559.5	1630.1	44.0	1.1	0.0
35°	2985.6	3056.4	3602.6	3098.2	2606.7	2556.3	2614.2	1899.5	70.8	0.0	0.0
25°	9016.8	8829.0	6313.5	4261.6	3274.2	2701.2	2445.8	2042.2	182.4	0.0	0.0
15°	10725.3	10633.0	7899.6	5086.8	3705.7	2957.7	2518.7	2122.7	238.2	0.0	0.0
5°	11671.8	11404.6	8452.3	5243.5	3767.9	2993.1	2555.2	2157.1	256.5	0.0	0.0
0°	12191.2	11974.4	8371.8	5173.8	3750.7	2987.7	2555.2	2158.1	250.0	0.0	0.0
-5°	12355.4	11954.0	8600.4	5255.3	3793.7	3004.9	2555.2	2156.0	247.9	0.0	0.0
-15°	10579.3	10394.7	7580.9	4946.2	3650.9	2922.2	2487.6	2106.6	218.9	1.1	0.0
-25°	8039.1	7985.5	5893.9	3990.0	3183.0	2666.8	2414.6	1997.2	158.8	2.1	0.0
-35°	2765.6	3012.4	3526.4	3106.8	2773.1	2757.0	2650.7	1834.0	70.8	2.1	0.0
-45°	2118.4	2279.4	2606.7	3177.7	2992.0	3147.6	2043.3	1540.0	44.0	3.2	0.0
-55°	1244.9	1355.4	1988.6	2368.5	2544.5	2268.7	1515.3	406.7	25.8	3.2	0.0
-65°	476.5	503.3	737.3	1268.5	1234.1	572.0	335.9	39.7	11.8	3.2	0.0
-75°	24.7	36.5	38.6	38.6	35.4	27.9	26.8	14.0	3.2	4.3	0.0
-85°	0.0	3.2	3.2	0.0	0.0	2.1	1.1	0.0	3.2	5.4	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)