

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: P841792

Luminaire Tested: **ARCH4-230-722-U-5WQ**

Issue Date: 5/27/2024

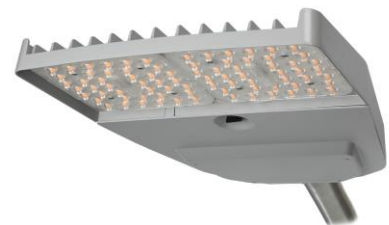
Test Information

Test Method: LM-79-08
Report Number: P841792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-230-722-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 905mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

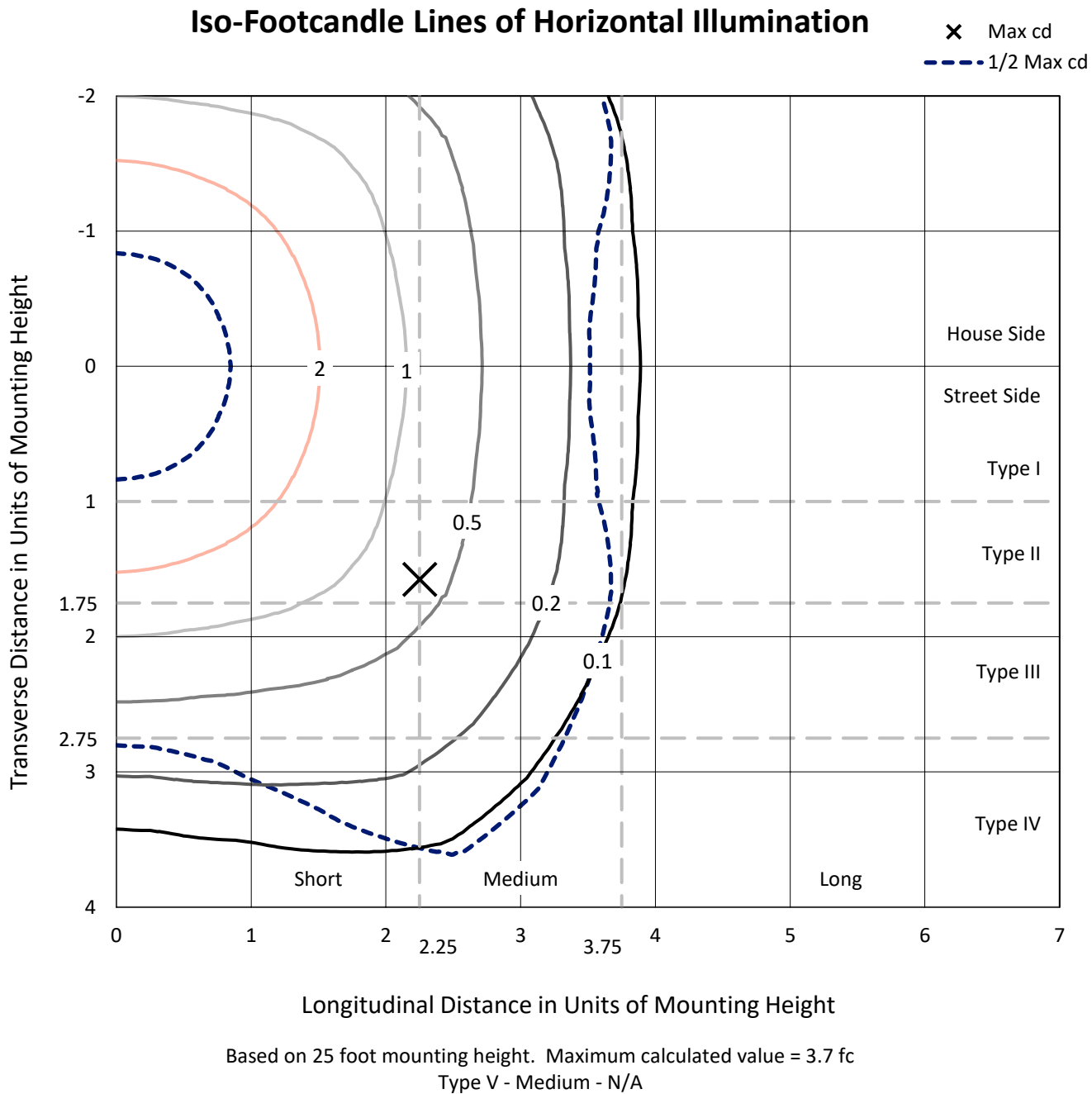
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29793 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B5 - U0 - G3

Input Watts (W): 231.2
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

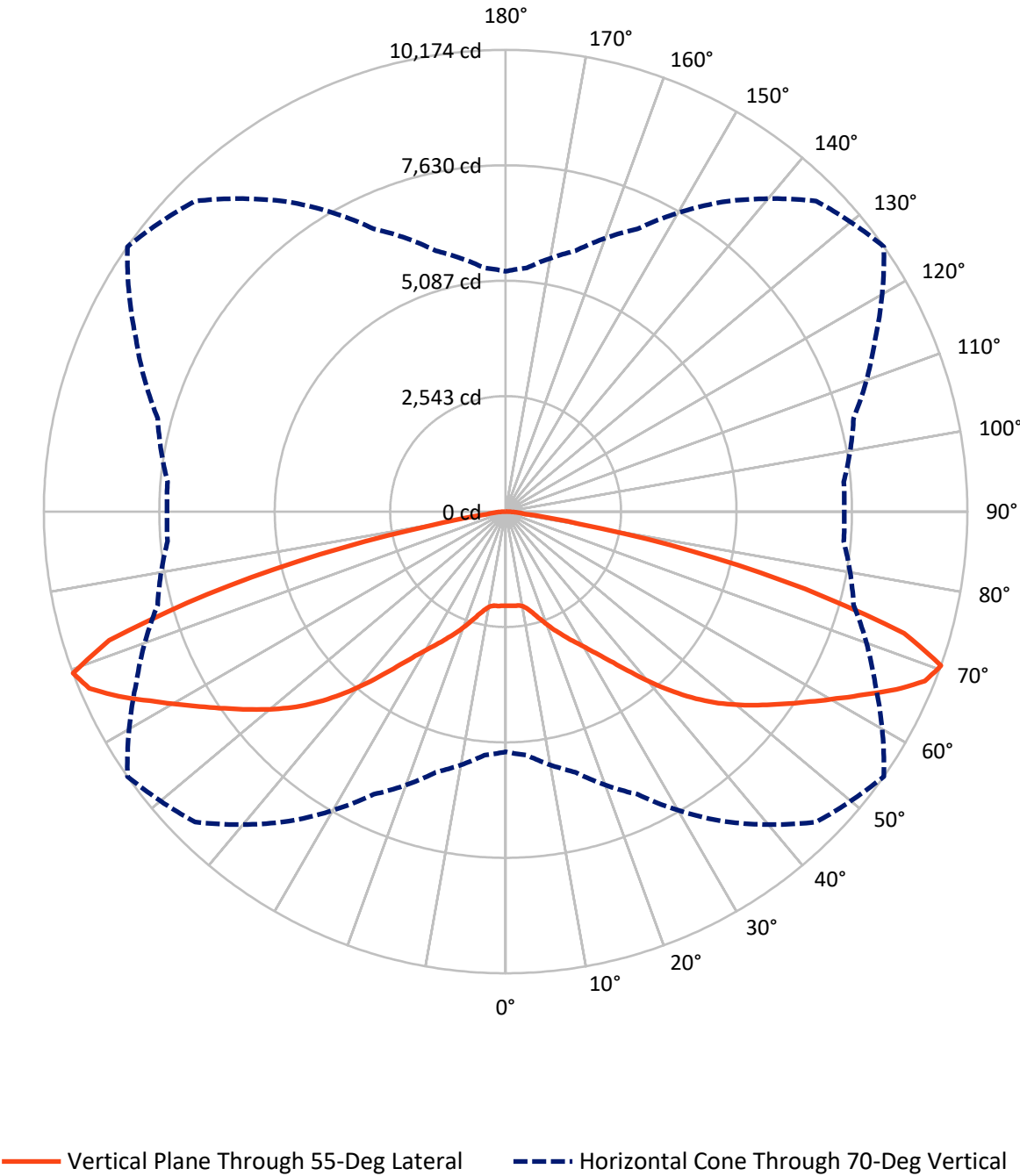


REPORT NUMBER: P841792
CATALOG NUMBER: ARCH4-230-722-U-5WQ



REPORT NUMBER: P841792
CATALOG NUMBER: ARCH4-230-722-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P841792

CATALOG NUMBER: ARCH4-230-722-U-5WQ

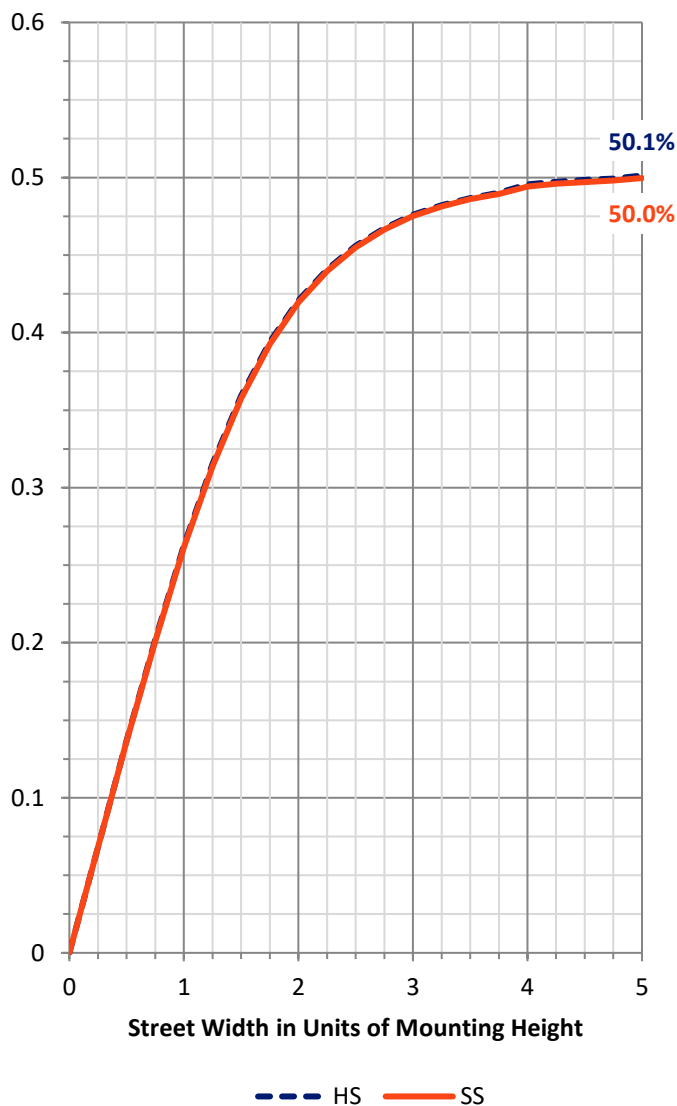
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14896.5	0.0	14896.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14896.5	0.0	14896.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29793.0	0.0	29793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.5	0.7
10°-20°	682.4	2.3
20°-30°	1417.9	4.8
30°-40°	2618.8	8.8
40°-50°	4600.6	15.4
50°-60°	6635.2	22.3
60°-70°	8120.7	27.3
70°-80°	5167.4	17.3
80°-90°	349.6	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°	29793.0	100.0
0°-180°	29793.0	100.0

Coefficient of Utilization



REPORT NUMBER: P841792

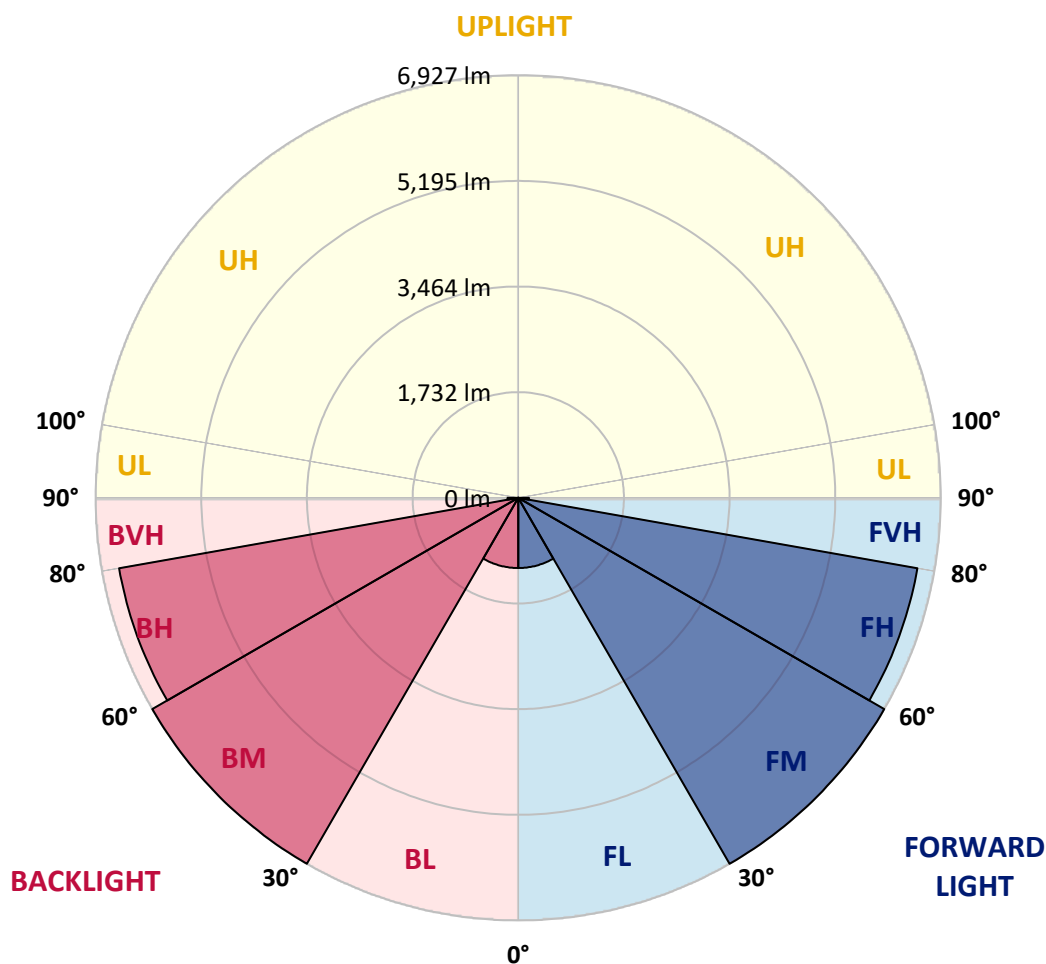
CATALOG NUMBER: ARCH4-230-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1150.4	3.9			
FM	(30°-60°)	6927.2	23.3			
FH	(60°-80°)	6644.0	22.3			G3/7500
FVH	(80°-90°)	174.8	0.6			G2/225
BL	(0°-30°)	1150.4	3.9	B3/2500		
BM	(30°-60°)	6927.2	23.3	B4/8500		
BH	(60°-80°)	6644.0	22.3	B5		G3/7500
BVH	(80°-90°)	174.8	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Medium



REPORT NUMBER: P841792

CATALOG NUMBER: ARCH4-230-722-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2076.9	2076.9	2076.9	2076.9	2076.9	2076.9	2076.9	2076.9	2076.9	2076.9	2076.9
2.5°	2104.5	2104.5	2099.0	2099.0	2087.9	2082.4	2076.9	2076.9	2071.3	2071.3	2065.8
5°	2115.6	2115.6	2115.6	2110.1	2104.5	2099.0	2087.9	2076.9	2071.3	2065.8	2060.2
7.5°	2121.2	2121.2	2115.6	2115.6	2110.1	2104.5	2087.9	2071.3	2065.8	2060.2	2060.2
10°	2165.5	2159.9	2154.4	2143.3	2143.3	2143.3	2121.2	2104.5	2099.0	2099.0	2099.0
12.5°	2270.7	2265.2	2254.1	2237.5	2237.5	2243.0	2209.8	2187.6	2187.6	2182.1	2182.1
15°	2425.8	2420.2	2409.1	2381.5	2375.9	2387.0	2337.2	2315.0	2315.0	2315.0	2309.5
17.5°	2597.5	2586.4	2569.8	2547.6	2547.6	2547.6	2497.8	2470.1	2453.5	2453.5	2447.9
20°	2741.4	2735.9	2735.9	2730.4	2747.0	2747.0	2680.5	2636.2	2597.5	2575.3	2569.8
22.5°	2868.8	2863.3	2874.4	2896.5	2929.7	2940.8	2863.3	2796.8	2735.9	2691.6	2680.5
25°	3040.5	3035.0	3029.4	3062.7	3118.0	3134.7	3051.6	2968.5	2907.6	2885.4	2874.4
27.5°	3223.3	3228.8	3234.4	3267.6	3311.9	3339.6	3256.5	3179.0	3129.1	3095.9	3084.8
30°	3428.2	3439.3	3455.9	3505.7	3539.0	3550.0	3478.0	3422.7	3378.3	3350.7	3334.0
32.5°	3688.5	3710.6	3732.8	3777.1	3793.7	3782.6	3749.4	3710.6	3677.4	3638.6	3633.1
35°	4076.2	4098.3	4092.8	4109.4	4114.9	4103.9	4087.2	4065.1	4048.5	3998.6	3993.1
37.5°	4563.5	4585.7	4552.5	4535.8	4497.1	4502.6	4497.1	4513.7	4519.2	4469.4	4463.8
40°	5056.4	5078.6	5034.3	4990.0	4951.2	4934.6	4962.3	5017.7	5017.7	4984.4	4984.4
42.5°	5582.6	5599.2	5527.2	5471.8	5422.0	5410.9	5427.5	5494.0	5510.6	5505.0	5505.0
45°	6108.7	6097.6	6003.5	5948.1	5903.8	5876.1	5881.6	5931.5	5964.7	5981.3	5981.3
47.5°	6513.0	6496.4	6418.9	6374.6	6346.9	6308.1	6308.1	6335.8	6352.4	6357.9	6357.9
50°	6834.2	6817.6	6740.1	6734.5	6734.5	6717.9	6701.3	6695.8	6684.7	6690.2	6690.2
52.5°	7111.1	7089.0	7033.6	7044.7	7094.5	7105.6	7083.5	7039.1	6994.8	6978.2	6983.8
55°	7410.2	7377.0	7332.7	7365.9	7465.6	7509.9	7476.7	7388.1	7310.5	7260.7	7260.7
57.5°	7648.4	7609.6	7609.6	7703.7	7886.5	7975.1	7903.1	7737.0	7604.1	7548.7	7554.2
60°	7482.2	7449.0	7581.9	7997.3	8340.6	8490.2	8368.3	8074.8	7858.8	7792.4	7803.4
62.5°	7155.5	7133.3	7299.4	7941.9	8750.5	9060.6	8877.9	8456.9	8135.7	8058.2	8058.2
65°	6673.6	6668.1	6900.7	7692.7	8844.6	9608.9	9453.8	8872.3	8456.9	8351.7	8373.9
67.5°	6175.2	6175.2	6385.6	7266.2	8733.9	9841.5	9963.4	9248.9	8612.0	8351.7	8357.3
70°	5294.6	5388.7	5948.1	6873.0	8329.6	9675.4	10173.8	8983.1	7936.3	7476.7	7460.1
72.5°	3489.1	3611.0	4724.1	6186.3	7930.8	9071.7	9182.5	7892.0	6590.5	6053.3	6025.6
75°	2104.5	2209.8	3062.7	4829.4	6972.7	7305.0	6817.6	6186.3	4923.5	4502.6	4502.6
77.5°	620.3	692.3	1412.3	3062.7	4823.8	4801.7	4203.6	3644.2	2913.1	2475.6	2508.8
80°	365.5	376.6	459.7	1395.6	1999.3	2104.5	1622.7	1013.5	1013.5	753.2	731.1
82.5°	282.5	282.5	293.5	348.9	481.8	537.2	409.8	348.9	398.8	337.8	321.2
85°	199.4	199.4	199.4	204.9	210.5	216.0	227.1	232.6	254.8	210.5	199.4
87.5°	60.9	66.5	72.0	83.1	99.7	105.2	110.8	99.7	99.7	94.2	88.6
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)