

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: P1211220

Luminaire Tested: **ARCH4-210-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-210-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 835mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19695 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 213.1
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

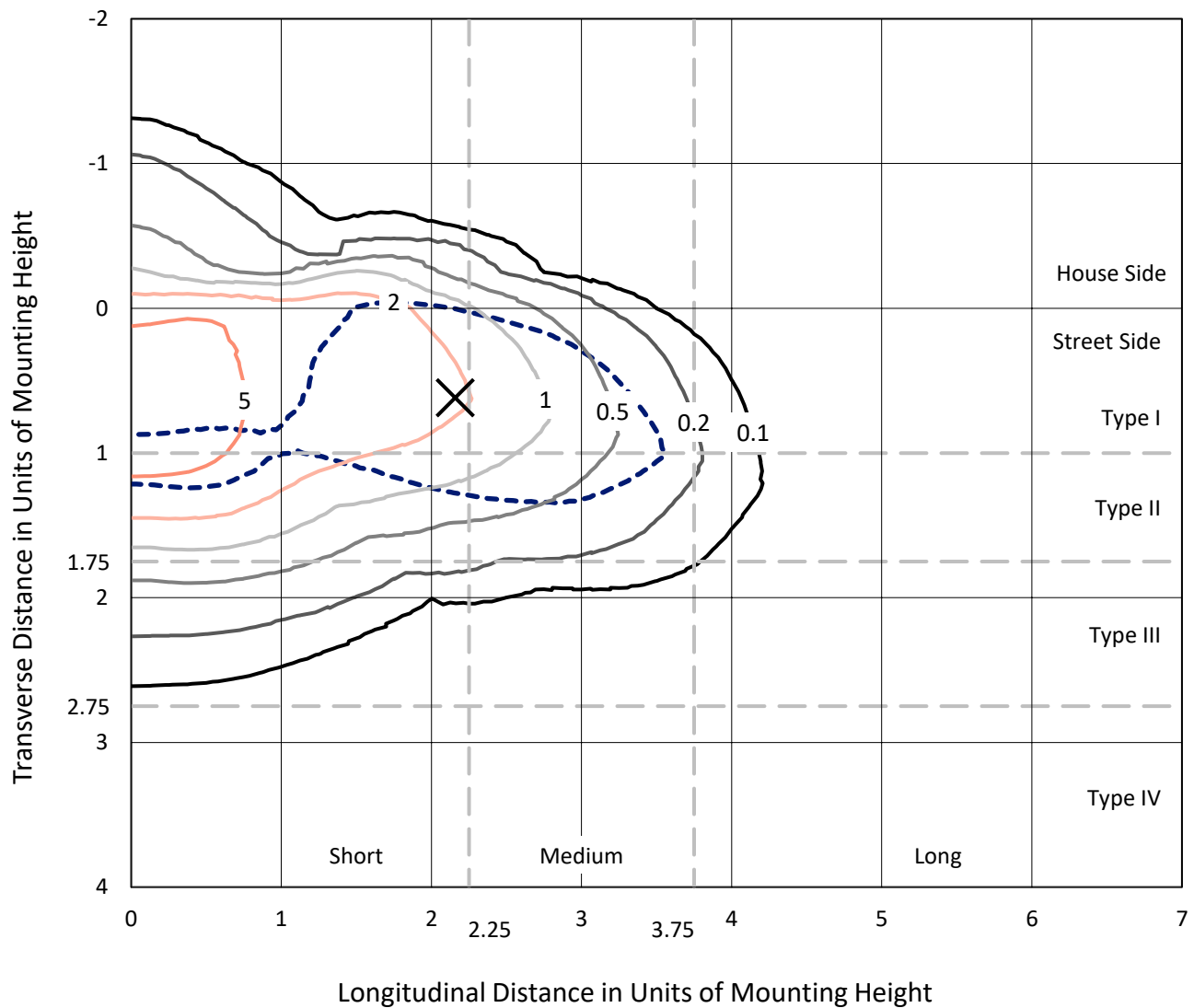


REPORT NUMBER: P1211220

CATALOG NUMBER: ARCH4-210-722-U-T2RE-HSS

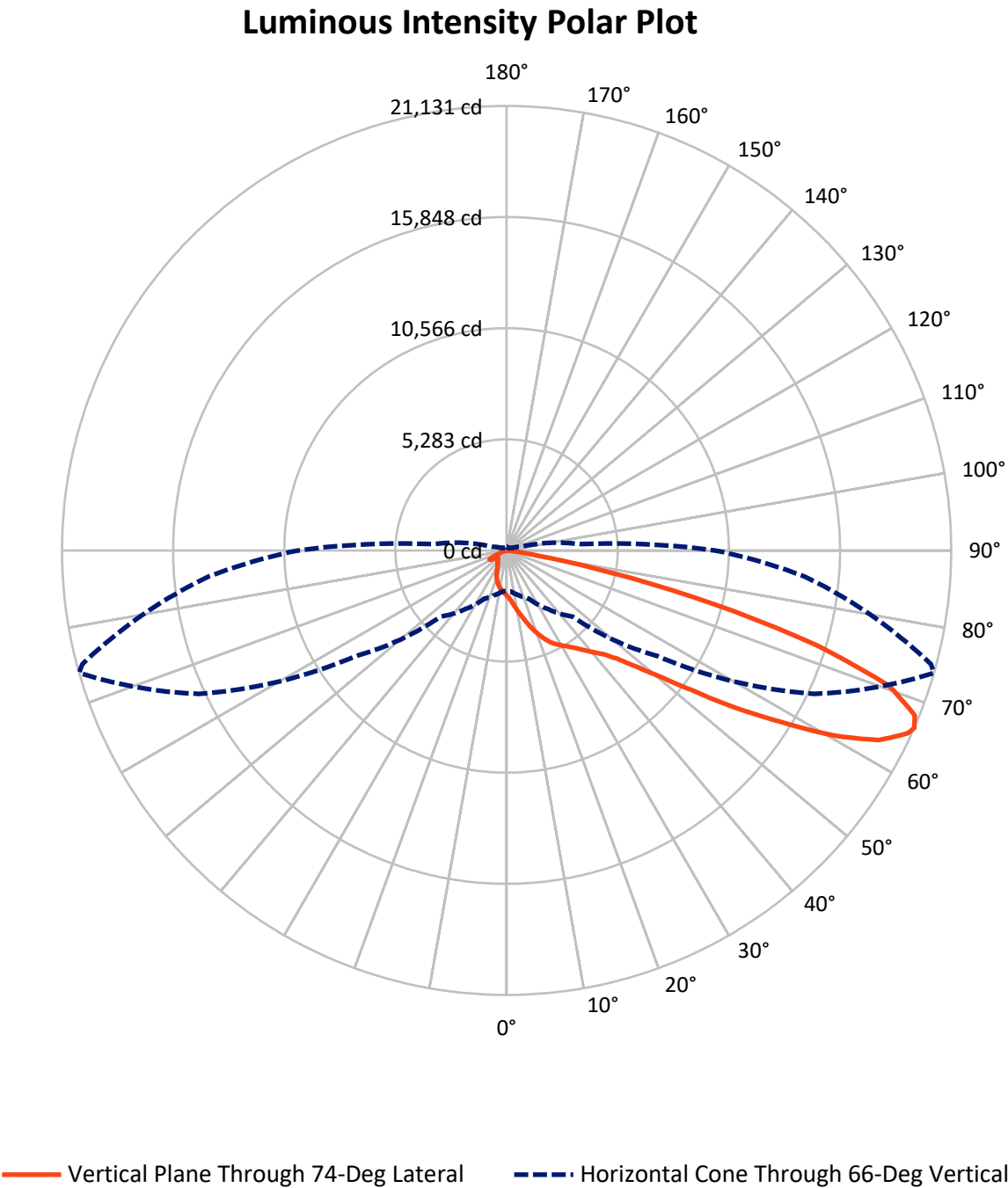
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Short - N/A

REPORT NUMBER: P1211220
CATALOG NUMBER: ARCH4-210-722-U-T2RE-HSS



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CATALOG NUMBER: ARCH4-210-722-U-T2RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1930.7	0.0	1930.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	17764.3	0.0	17764.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	19695.0	0.0	19695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	1.1
10°-20°	672.7	3.4
20°-30°	1283.9	6.5
30°-40°	2250.3	11.4
40°-50°	3858.6	19.6
50°-60°	5018.4	25.5
60°-70°	4542.9	23.1
70°-80°	1752.9	8.9
80°-90°	105.5	0.5
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°	19695.0	100.0
0°-180°	19695.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211220

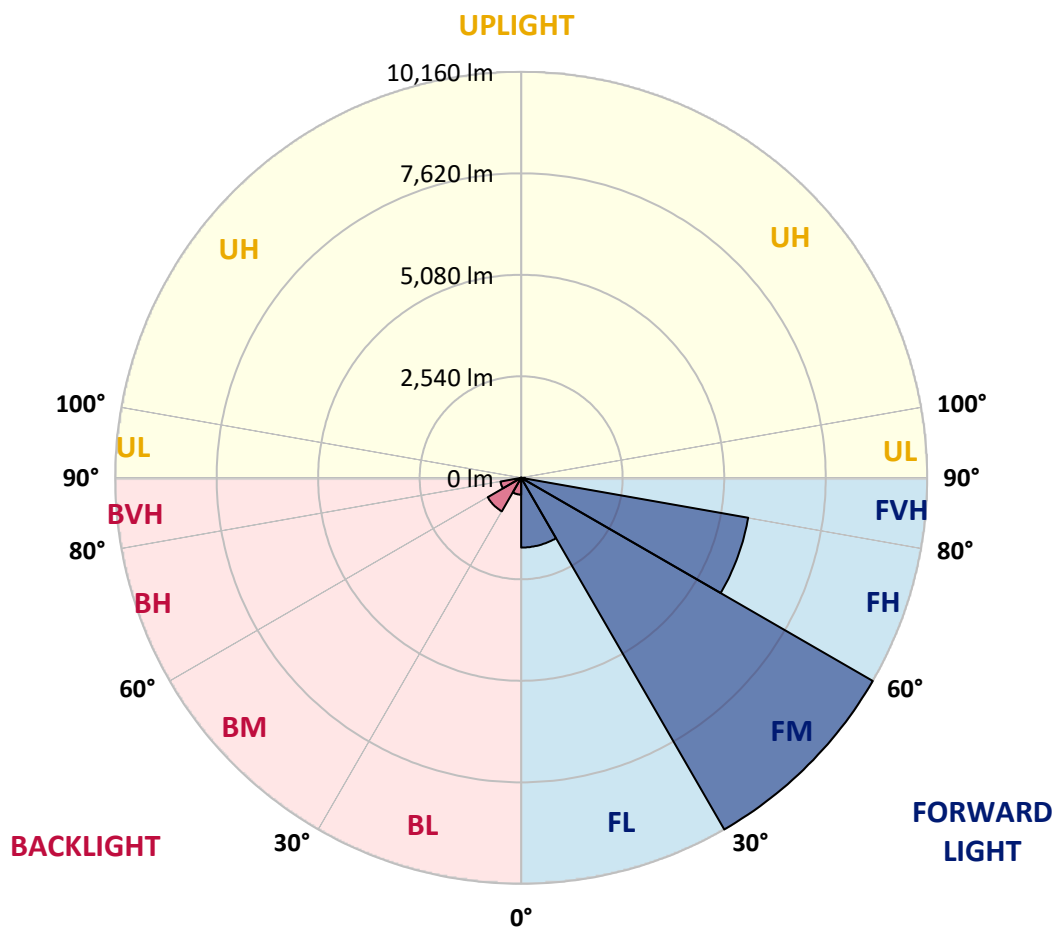
CATALOG NUMBER: ARCH4-210-722-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1745.3	8.9			
FM	(30°-60°)	10159.7	51.6			
FH	(60°-80°)	5768.0	29.3			G3/7500
FVH	(80°-90°)	91.3	0.5			G1/100
BL	(0°-30°)	421.1	2.1	B1/500		
BM	(30°-60°)	967.6	4.9	B1/1000		
BH	(60°-80°)	527.8	2.7	B2/1000		G2/1000
BVH	(80°-90°)	14.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



REPORT NUMBER: P1211220

CATALOG NUMBER: ARCH4-210-722-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9
2.5°	2581.3	2560.1	2521.2	2517.6	2485.8	2446.9	2379.7	2309.0	2259.5	2252.4	2192.3
5°	3090.5	3079.8	3040.9	3016.2	2956.1	2864.1	2708.6	2553.0	2422.2	2408.0	2273.6
7.5°	3224.8	3231.9	3239.0	3263.7	3242.5	3200.1	3083.4	2864.1	2659.1	2627.2	2393.9
10°	3246.0	3239.0	3239.0	3270.8	3330.9	3391.0	3376.9	3189.5	2924.3	2885.4	2560.1
12.5°	3475.9	3486.5	3461.7	3447.6	3437.0	3468.8	3574.9	3493.6	3203.6	3171.8	2761.6
15°	3772.9	3769.4	3734.0	3734.0	3702.2	3649.1	3716.3	3776.4	3539.5	3500.6	2991.4
17.5°	3988.6	4002.7	3999.2	4020.4	4009.8	3939.1	3903.7	4027.5	3886.0	3836.5	3253.1
20°	4161.9	4200.8	4214.9	4282.1	4313.9	4264.4	4172.5	4250.3	4218.4	4172.5	3518.3
22.5°	4345.7	4377.6	4402.3	4519.0	4607.4	4596.8	4480.1	4462.4	4540.2	4497.8	3780.0
25°	4529.6	4543.7	4618.0	4759.4	4900.9	4936.2	4816.0	4678.1	4830.2	4791.3	4013.3
27.5°	4731.1	4738.2	4826.6	4999.9	5197.9	5272.2	5176.7	4922.1	5052.9	5052.9	4225.5
30°	5098.9	5169.6	5205.0	5360.6	5533.8	5636.4	5523.2	5180.2	5250.9	5282.8	4448.3
32.5°	5891.0	5901.6	5891.0	5958.1	5993.5	6053.6	5922.8	5470.2	5452.5	5487.9	4667.5
35°	7100.3	7057.8	6944.7	6845.7	6640.6	6527.4	6357.7	5841.4	5700.0	5749.5	4883.2
37.5°	8567.7	8507.6	8249.5	7945.4	7506.9	7054.3	6842.1	6294.1	6014.7	6078.4	5116.6
40°	9967.9	9929.0	9621.4	9246.6	8497.0	7722.6	7273.5	6675.9	6364.8	6389.5	5353.5
42.5°	11120.7	11113.6	10855.5	10463.0	9501.2	8443.9	7782.7	7050.8	6732.5	6771.4	5601.0
45°	11994.1	11926.9	11735.9	11453.1	10473.6	9193.6	8398.0	7620.0	7323.0	7369.0	5972.3
47.5°	11994.1	12004.7	12128.4	12100.1	11152.5	9897.2	9069.8	8337.9	8196.4	8238.8	6584.0
50°	11018.1	11117.1	11668.8	12132.0	11506.1	10445.3	9794.7	9236.0	9381.0	9444.6	7651.9
52.5°	9087.5	9253.7	10211.9	11269.2	11244.4	10721.1	10544.3	10378.1	11028.7	11141.9	9228.9
55°	6905.8	7015.4	8263.6	9653.2	10105.8	10494.8	11198.5	11827.9	13210.4	13185.7	10830.7
57.5°	5159.0	5261.5	6336.5	7878.2	8475.8	9515.3	11534.4	13486.3	15374.5	15469.9	12333.5
60°	3794.1	3871.9	4787.7	6053.6	6916.4	8016.1	11400.0	15119.9	17867.3	17757.7	13659.5
62.5°	2807.6	2850.0	3511.2	4335.1	5480.8	6531.0	10554.9	16237.2	19858.1	19635.3	14398.5
65°	2171.1	2185.2	2528.2	2966.7	3985.1	5077.7	9296.1	16407.0	20957.8	20720.9	14384.4
66°	1934.2	1944.8	2195.8	2535.3	3391.0	4444.7	8744.5	16134.7	21131.1	20880.0	14207.6
67.5°	1623.0	1615.9	1764.5	1987.2	2545.9	3429.9	7765.0	15339.1	20926.0	20798.7	13641.8
70°	1202.2	1205.8	1280.0	1333.1	1488.7	1898.8	5608.1	13305.9	19285.3	19278.2	12089.5
72.5°	891.1	901.7	958.3	968.9	930.0	1029.0	3231.9	10583.2	15427.5	15431.0	9038.0
75°	668.3	686.0	703.7	710.7	675.4	650.6	1460.4	7121.5	10148.3	10074.0	5116.6
77.5°	509.2	516.3	530.4	519.8	512.7	449.1	608.2	3472.3	5010.5	4565.0	1658.4
80°	371.3	371.3	385.4	371.3	367.7	321.8	332.4	1113.8	1471.0	1223.5	357.1
82.5°	233.4	229.8	240.4	236.9	229.8	205.1	194.5	311.2	339.5	304.1	173.3
85°	130.8	127.3	123.8	120.2	109.6	91.9	106.1	116.7	155.6	159.1	123.8
87.5°	46.0	46.0	42.4	38.9	31.8	31.8	38.9	38.9	56.6	56.6	63.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1211220

CATALOG NUMBER: ARCH4-210-722-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9	2149.9
2.5°	2164.0	2125.1	2068.6	1994.3	1941.3	1888.2	1831.6	1799.8	1753.8	1743.2	1757.4
5°	2202.9	2132.2	1990.8	1835.2	1700.8	1580.6	1467.4	1400.3	1333.1	1308.3	1318.9
7.5°	2284.2	2164.0	1923.6	1672.5	1449.8	1269.4	1135.1	1057.3	997.1	972.4	979.5
10°	2404.5	2220.6	1859.9	1488.7	1202.2	1011.3	898.1	848.6	813.3	799.1	802.7
12.5°	2549.4	2301.9	1778.6	1304.8	990.1	823.9	770.8	760.2	753.2	746.1	749.6
15°	2712.1	2372.6	1683.1	1124.4	823.9	731.9	714.3	710.7	707.2	707.2	707.2
17.5°	2881.8	2436.3	1577.0	954.7	717.8	675.4	664.8	664.8	664.8	668.3	668.3
20°	3040.9	2485.8	1453.3	802.7	657.7	622.3	615.3	615.3	618.8	622.3	622.3
22.5°	3196.5	2507.0	1308.3	696.6	608.2	576.4	565.8	565.8	565.8	569.3	569.3
25°	3330.9	2507.0	1163.3	629.4	565.8	533.9	519.8	516.3	519.8	519.8	519.8
27.5°	3444.1	2496.4	1021.9	583.4	523.3	491.5	477.4	473.8	480.9	484.4	484.4
30°	3564.3	2482.3	908.7	541.0	488.0	456.1	442.0	442.0	452.6	466.8	466.8
32.5°	3681.0	2492.9	820.3	505.6	452.6	427.9	413.7	417.2	438.5	459.7	459.7
35°	3804.7	2514.1	767.3	480.9	427.9	403.1	392.5	403.1	424.3	445.5	445.5
37.5°	3928.5	2538.8	735.5	459.7	406.6	381.9	374.8	389.0	413.7	434.9	438.5
40°	4059.3	2560.1	700.1	438.5	392.5	364.2	360.7	374.8	406.6	427.9	431.4
42.5°	4222.0	2602.5	657.7	420.8	378.4	343.0	346.5	357.1	389.0	420.8	424.3
45°	4540.2	2736.9	615.3	403.1	360.7	332.4	325.3	332.4	367.7	403.1	410.2
47.5°	5137.8	3040.9	569.3	385.4	343.0	325.3	297.0	304.1	335.9	374.8	378.4
50°	6283.4	3688.0	544.5	367.7	328.8	300.6	268.7	268.7	293.5	328.8	328.8
52.5°	8069.1	4847.8	558.7	353.6	311.2	275.8	244.0	240.4	254.6	279.3	279.3
55°	9996.2	6120.8	611.7	339.5	290.0	261.7	226.3	208.6	219.2	233.4	233.4
57.5°	11523.8	6760.8	756.7	332.4	265.2	251.1	205.1	180.3	190.9	205.1	205.1
60°	12195.6	6386.0	919.4	339.5	247.5	233.4	183.9	159.1	176.8	190.9	194.5
62.5°	11651.1	5258.0	986.5	321.8	222.8	208.6	180.3	148.5	169.7	180.3	183.9
65°	10473.6	3995.7	770.8	279.3	205.1	180.3	162.7	141.4	159.1	169.7	169.7
66°	9914.9	3482.9	657.7	258.1	198.0	169.7	155.6	141.4	155.6	162.7	166.2
67.5°	9048.6	2747.5	488.0	226.3	183.9	155.6	145.0	134.4	148.5	155.6	155.6
70°	7075.5	1637.2	293.5	176.8	159.1	137.9	130.8	123.8	134.4	137.9	137.9
72.5°	4430.6	777.9	187.4	130.8	134.4	130.8	109.6	116.7	120.2	123.8	123.8
75°	2146.3	307.6	127.3	95.5	109.6	123.8	88.4	102.5	106.1	113.2	109.6
77.5°	597.6	148.5	81.3	70.7	95.5	95.5	67.2	81.3	95.5	120.2	109.6
80°	173.3	95.5	53.0	53.0	67.2	67.2	46.0	56.6	63.6	70.7	74.3
82.5°	120.2	63.6	35.4	38.9	38.9	42.4	28.3	28.3	35.4	35.4	38.9
85°	95.5	28.3	21.2	24.8	17.7	21.2	14.1	14.1	17.7	14.1	14.1
87.5°	38.9	14.1	14.1	14.1	10.6	10.6	7.1	3.5	3.5	3.5	3.5
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)