

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: P1210460

Luminaire Tested: **ARCH3-130-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210460
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: ARCH3-130-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

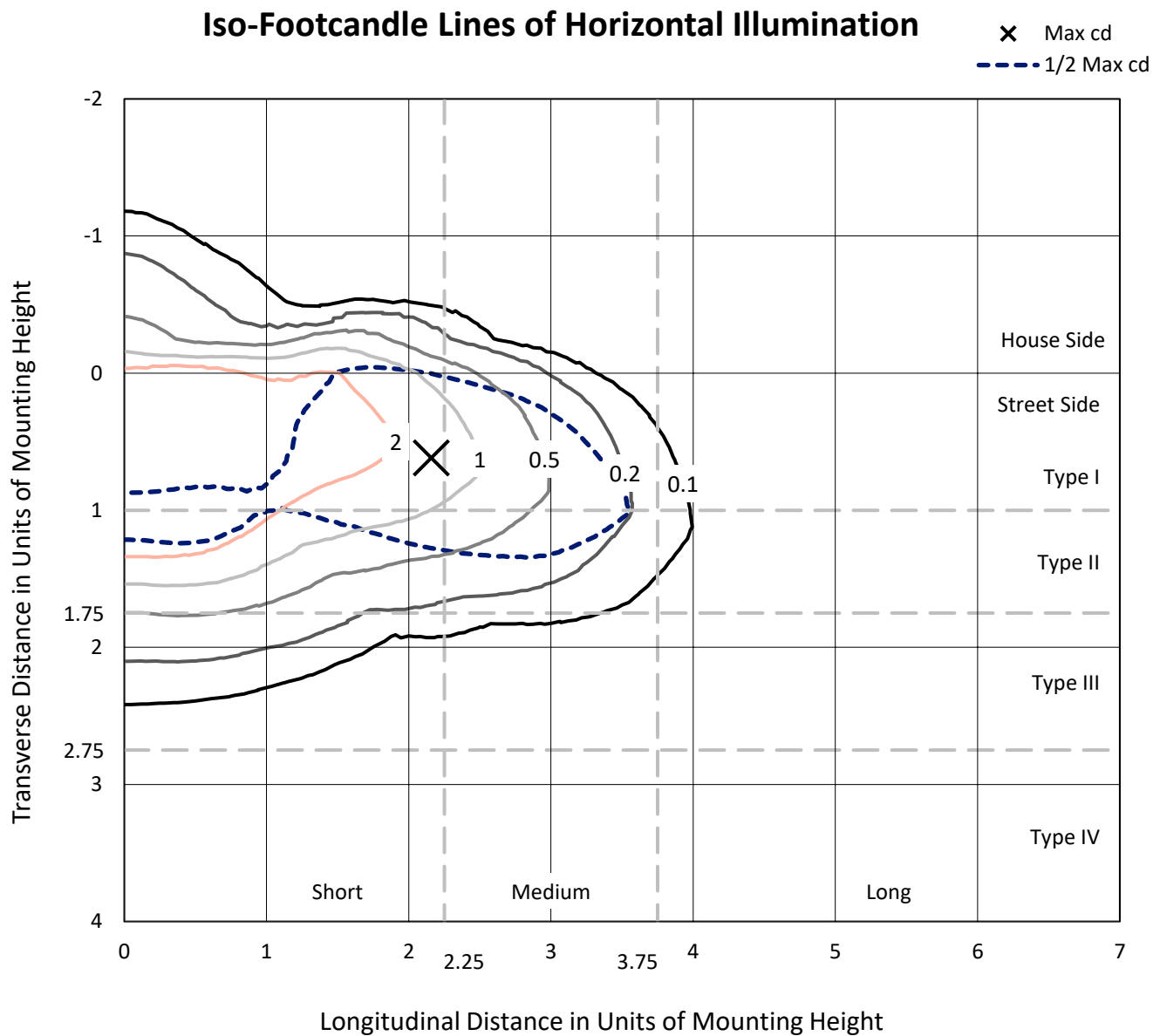
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13485 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 132.6
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

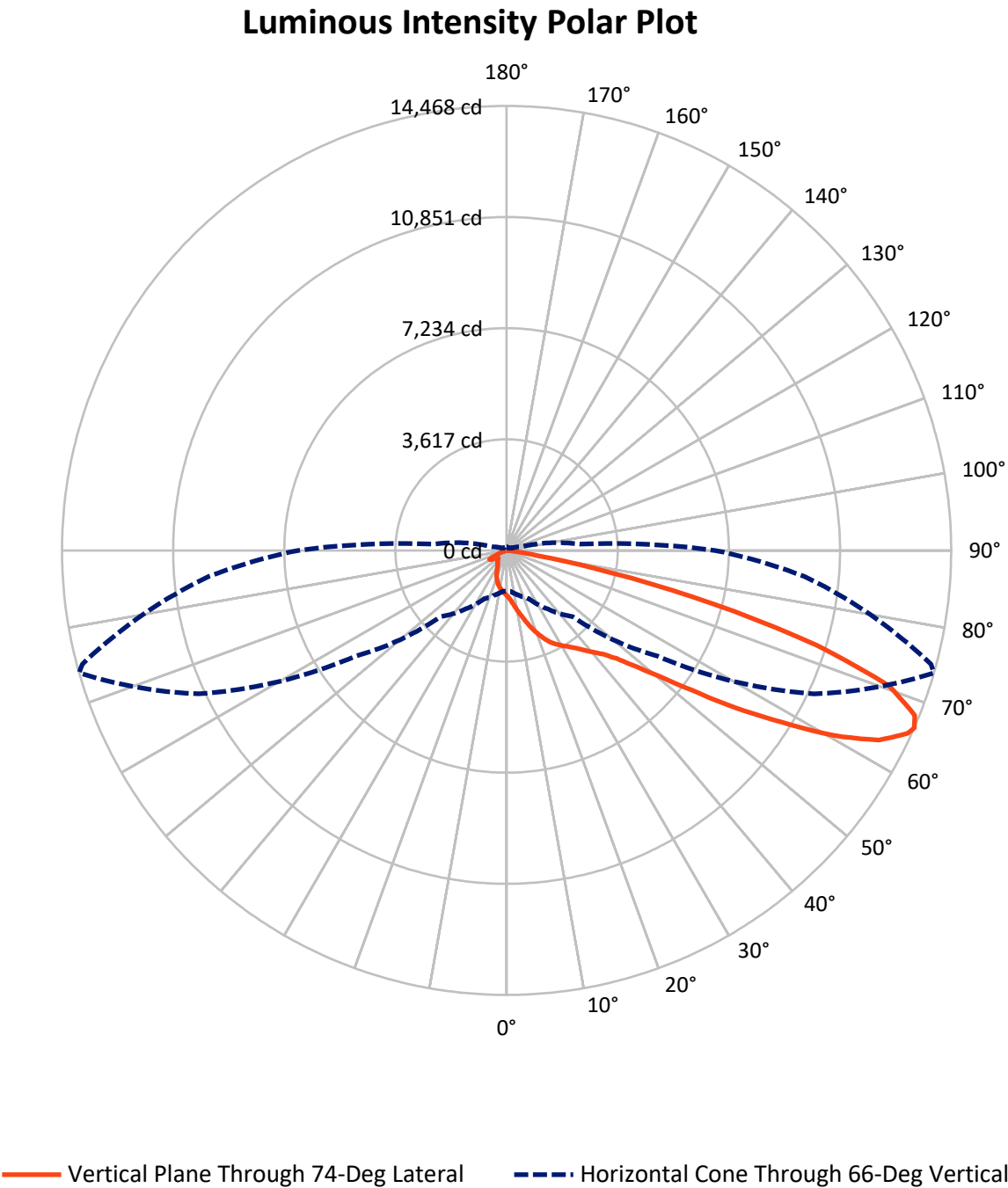


REPORT NUMBER: P1210460
CATALOG NUMBER: ARCH3-130-730-U-T2RE-HSS



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
Type II - Short - N/A

REPORT NUMBER: P1210460
CATALOG NUMBER: ARCH3-130-730-U-T2RE-HSS



REPORT NUMBER: P1210460

CATALOG NUMBER: ARCH3-130-730-U-T2RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1322.0	0.0	1322.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12163.0	0.0	12163.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	13485.0	0.0	13485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	1.1
10°-20°	460.6	3.4
20°-30°	879.0	6.5
30°-40°	1540.7	11.4
40°-50°	2642.0	19.6
50°-60°	3436.1	25.5
60°-70°	3110.5	23.1
70°-80°	1200.2	8.9
80°-90°	72.2	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°	13485.0	100.0
0°-180°	13485.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210460

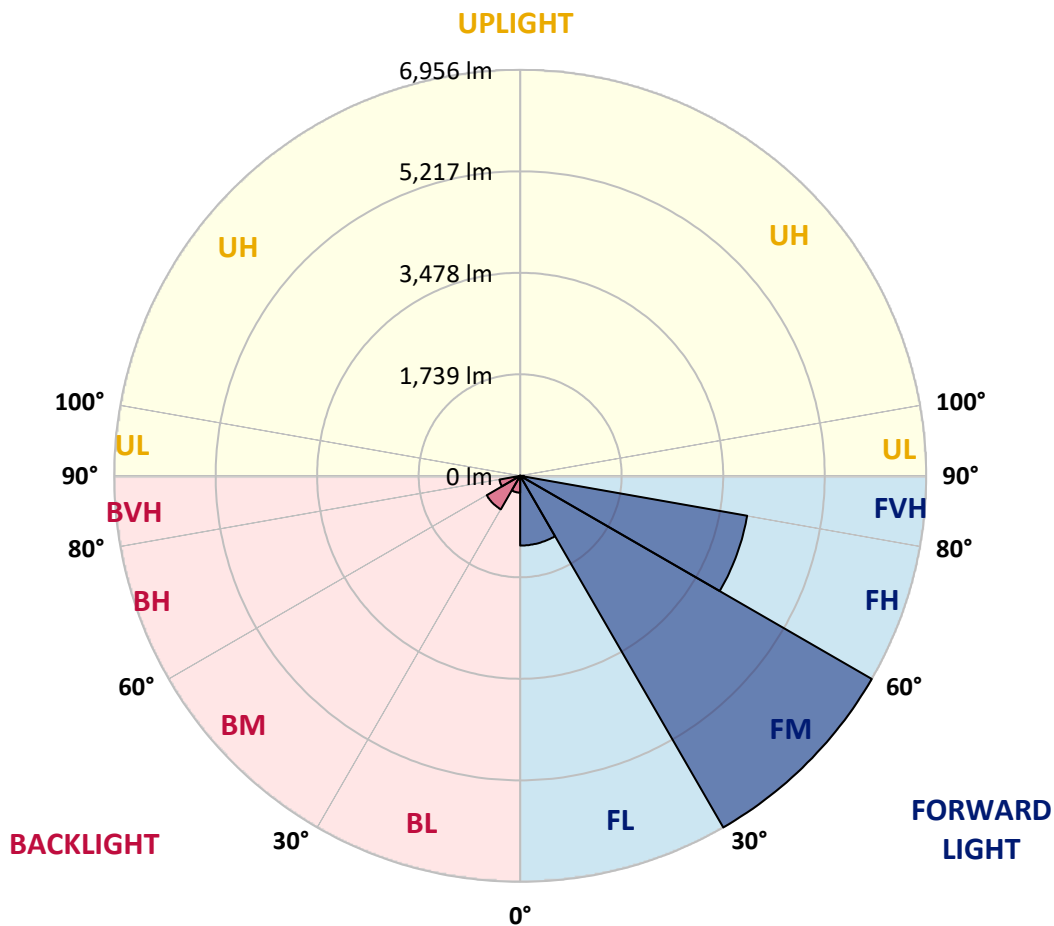
CATALOG NUMBER: ARCH3-130-730-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1195.0	8.9			
FM	(30°-60°)	6956.2	51.6			
FH	(60°-80°)	3949.3	29.3			G2/5000
FVH	(80°-90°)	62.5	0.5			G1/100
BL	(0°-30°)	288.4	2.1	B1/500		
BM	(30°-60°)	662.5	4.9	B1/1000		
BH	(60°-80°)	361.4	2.7	B1/500		G1/500
BVH	(80°-90°)	9.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



REPORT NUMBER: P1210460

CATALOG NUMBER: ARCH3-130-730-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0
2.5°	1767.4	1752.8	1726.2	1723.8	1702.0	1675.4	1629.4	1581.0	1547.1	1542.2	1501.1
5°	2116.0	2108.7	2082.1	2065.2	2024.0	1961.1	1854.5	1748.0	1658.4	1648.7	1556.7
7.5°	2208.0	2212.8	2217.7	2234.6	2220.1	2191.1	2111.2	1961.1	1820.6	1798.8	1639.1
10°	2222.5	2217.7	2217.7	2239.5	2280.6	2321.8	2312.1	2183.8	2002.2	1975.6	1752.8
12.5°	2379.9	2387.2	2370.2	2360.5	2353.3	2375.1	2447.7	2392.0	2193.5	2171.7	1890.8
15°	2583.3	2580.8	2556.6	2556.6	2534.8	2498.5	2544.5	2585.7	2423.5	2396.8	2048.2
17.5°	2731.0	2740.6	2738.2	2752.7	2745.5	2697.1	2672.8	2757.6	2660.7	2626.8	2227.4
20°	2849.6	2876.2	2885.9	2931.9	2953.7	2919.8	2856.9	2910.1	2888.3	2856.9	2409.0
22.5°	2975.5	2997.3	3014.2	3094.1	3154.6	3147.4	3067.5	3055.4	3108.6	3079.6	2588.1
25°	3101.4	3111.1	3161.9	3258.7	3355.6	3379.8	3297.5	3203.1	3307.2	3280.5	2747.9
27.5°	3239.4	3244.2	3304.7	3423.4	3559.0	3609.8	3544.4	3370.1	3459.7	3459.7	2893.2
30°	3491.2	3539.6	3563.8	3670.3	3789.0	3859.2	3781.7	3546.9	3595.3	3617.1	3045.7
32.5°	4033.5	4040.7	4033.5	4079.5	4103.7	4144.9	4055.3	3745.4	3733.3	3757.5	3195.8
35°	4861.5	4832.4	4755.0	4687.2	4546.8	4469.3	4353.1	3999.6	3902.7	3936.6	3343.5
37.5°	5866.2	5825.1	5648.3	5440.1	5139.9	4830.0	4684.8	4309.5	4118.2	4161.8	3503.3
40°	6825.0	6798.3	6587.7	6331.1	5817.8	5287.6	4980.1	4571.0	4357.9	4374.9	3665.5
42.5°	7614.2	7609.4	7432.7	7163.9	6505.4	5781.5	5328.8	4827.6	4609.7	4636.3	3835.0
45°	8212.2	8166.2	8035.5	7841.8	7171.2	6294.8	5750.0	5217.4	5014.0	5045.5	4089.2
47.5°	8212.2	8219.5	8304.2	8284.9	7636.0	6776.5	6210.0	5708.9	5612.0	5641.1	4508.0
50°	7544.0	7611.8	7989.5	8306.7	7878.1	7151.8	6706.3	6323.8	6423.1	6466.7	5239.2
52.5°	6222.1	6335.9	6992.0	7715.9	7699.0	7340.7	7219.6	7105.8	7551.3	7628.8	6319.0
55°	4728.3	4803.4	5658.0	6609.5	6919.4	7185.7	7667.5	8098.4	9045.1	9028.1	7415.7
57.5°	3532.3	3602.5	4338.5	5394.1	5803.3	6515.1	7897.5	9233.9	10526.8	10592.1	8444.7
60°	2597.8	2651.1	3278.1	4144.9	4735.6	5488.5	7805.5	10352.5	12233.6	12158.6	9352.6
62.5°	1922.3	1951.4	2404.1	2968.2	3752.6	4471.7	7226.9	11117.5	13596.7	13444.1	9858.6
65°	1486.5	1496.2	1731.1	2031.3	2728.5	3476.6	6365.0	11233.7	14349.6	14187.4	9848.9
66°	1324.3	1331.6	1503.5	1735.9	2321.8	3043.3	5987.3	11047.3	14468.3	14296.4	9727.8
67.5°	1111.3	1106.4	1208.1	1360.6	1743.2	2348.4	5316.6	10502.6	14327.8	14240.7	9340.4
70°	823.2	825.6	876.4	912.7	1019.3	1300.1	3839.8	9110.4	13204.5	13199.6	8277.6
72.5°	610.1	617.4	656.1	663.4	636.7	704.5	2212.8	7246.2	10563.1	10565.5	6188.2
75°	457.6	469.7	481.8	486.6	462.4	445.5	999.9	4876.0	6948.4	6897.6	3503.3
77.5°	348.6	353.5	363.2	355.9	351.1	307.5	416.4	2377.5	3430.6	3125.6	1135.5
80°	254.2	254.2	263.9	254.2	251.8	220.3	227.6	762.6	1007.2	837.7	244.5
82.5°	159.8	157.4	164.6	162.2	157.4	140.4	133.2	213.1	232.4	208.2	118.6
85°	89.6	87.2	84.7	82.3	75.1	62.9	72.6	79.9	106.5	108.9	84.7
87.5°	31.5	31.5	29.1	26.6	21.8	21.8	26.6	26.6	38.7	38.7	43.6
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: P1210460

CATALOG NUMBER: ARCH3-130-730-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0
2.5°	1481.7	1455.1	1416.3	1365.5	1329.2	1292.8	1254.1	1232.3	1200.8	1193.6	1203.3
5°	1508.3	1459.9	1363.1	1256.5	1164.5	1082.2	1004.7	958.7	912.7	895.8	903.1
7.5°	1564.0	1481.7	1317.1	1145.2	992.6	869.2	777.2	723.9	682.7	665.8	670.6
10°	1646.3	1520.4	1273.5	1019.3	823.2	692.4	614.9	581.1	556.8	547.2	549.6
12.5°	1745.6	1576.1	1217.8	893.4	677.9	564.1	527.8	520.5	515.7	510.8	513.3
15°	1857.0	1624.5	1152.4	769.9	564.1	501.2	489.1	486.6	484.2	484.2	484.2
17.5°	1973.2	1668.1	1079.8	653.7	491.5	462.4	455.2	455.2	455.2	457.6	457.6
20°	2082.1	1702.0	995.1	549.6	450.3	426.1	421.3	421.3	423.7	426.1	426.1
22.5°	2188.6	1716.5	895.8	476.9	416.4	394.6	387.4	387.4	387.4	389.8	389.8
25°	2280.6	1716.5	796.5	430.9	387.4	365.6	355.9	353.5	355.9	355.9	355.9
27.5°	2358.1	1709.3	699.7	399.5	358.3	336.5	326.8	324.4	329.3	331.7	331.7
30°	2440.4	1699.6	622.2	370.4	334.1	312.3	302.6	302.6	309.9	319.6	319.6
32.5°	2520.3	1706.8	561.7	346.2	309.9	292.9	283.3	285.7	300.2	314.7	314.7
35°	2605.1	1721.4	525.4	329.3	292.9	276.0	268.7	276.0	290.5	305.1	305.1
37.5°	2689.8	1738.3	503.6	314.7	278.4	261.5	256.6	266.3	283.3	297.8	300.2
40°	2779.4	1752.8	479.4	300.2	268.7	249.4	246.9	256.6	278.4	292.9	295.4
42.5°	2890.7	1781.9	450.3	288.1	259.1	234.8	237.3	244.5	266.3	288.1	290.5
45°	3108.6	1873.9	421.3	276.0	246.9	227.6	222.7	227.6	251.8	276.0	280.8
47.5°	3517.8	2082.1	389.8	263.9	234.8	222.7	203.4	208.2	230.0	256.6	259.1
50°	4302.2	2525.2	372.8	251.8	225.2	205.8	184.0	184.0	200.9	225.2	225.2
52.5°	5524.9	3319.3	382.5	242.1	213.1	188.8	167.1	164.6	174.3	191.3	191.3
55°	6844.3	4190.9	418.8	232.4	198.5	179.2	154.9	142.8	150.1	159.8	159.8
57.5°	7890.2	4629.1	518.1	227.6	181.6	171.9	140.4	123.5	130.7	140.4	140.4
60°	8350.2	4372.4	629.5	232.4	169.5	159.8	125.9	108.9	121.1	130.7	133.2
62.5°	7977.4	3600.1	675.5	220.3	152.5	142.8	123.5	101.7	116.2	123.5	125.9
65°	7171.2	2735.8	527.8	191.3	140.4	123.5	111.4	96.8	108.9	116.2	116.2
66°	6788.7	2384.7	450.3	176.7	135.6	116.2	106.5	96.8	106.5	111.4	113.8
67.5°	6195.5	1881.2	334.1	154.9	125.9	106.5	99.3	92.0	101.7	106.5	106.5
70°	4844.5	1121.0	200.9	121.1	108.9	94.4	89.6	84.7	92.0	94.4	94.4
72.5°	3033.6	532.6	128.3	89.6	92.0	89.6	75.1	79.9	82.3	84.7	84.7
75°	1469.6	210.6	87.2	65.4	75.1	84.7	60.5	70.2	72.6	77.5	75.1
77.5°	409.2	101.7	55.7	48.4	65.4	65.4	46.0	55.7	65.4	82.3	75.1
80°	118.6	65.4	36.3	36.3	46.0	46.0	31.5	38.7	43.6	48.4	50.8
82.5°	82.3	43.6	24.2	26.6	26.6	29.1	19.4	19.4	24.2	24.2	26.6
85°	65.4	19.4	14.5	16.9	12.1	14.5	9.7	9.7	12.1	9.7	9.7
87.5°	26.6	9.7	9.7	9.7	7.3	7.3	4.8	2.4	2.4	2.4	2.4
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)