

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: P1210468

Luminaire Tested: **ARCH3-130-740-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210468
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: ARCH3-130-740-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 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: 14159 lumens
Efficiency: N/A
Efficacy: 106.8 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

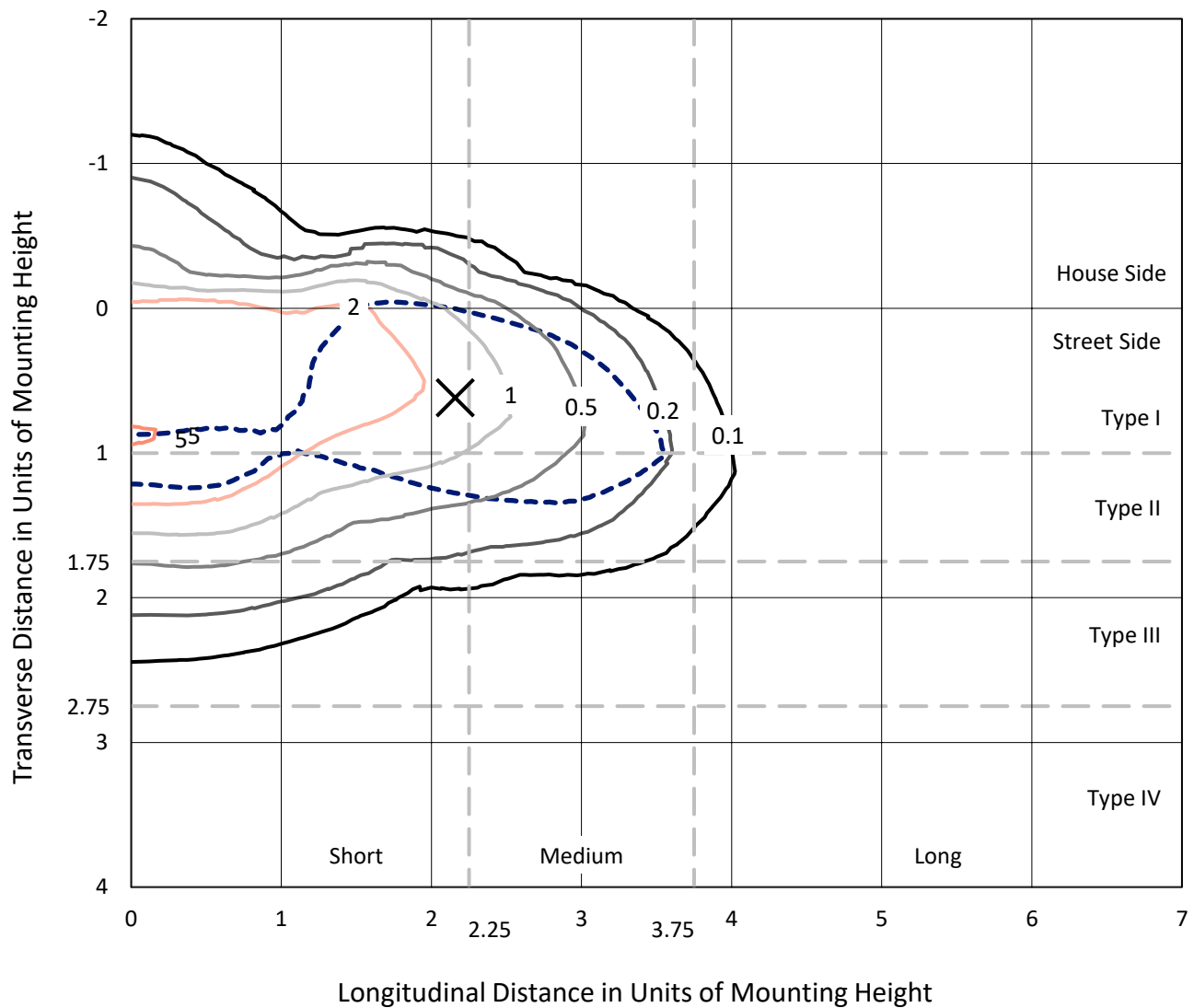


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Iso-Footcandle Lines of Horizontal Illumination

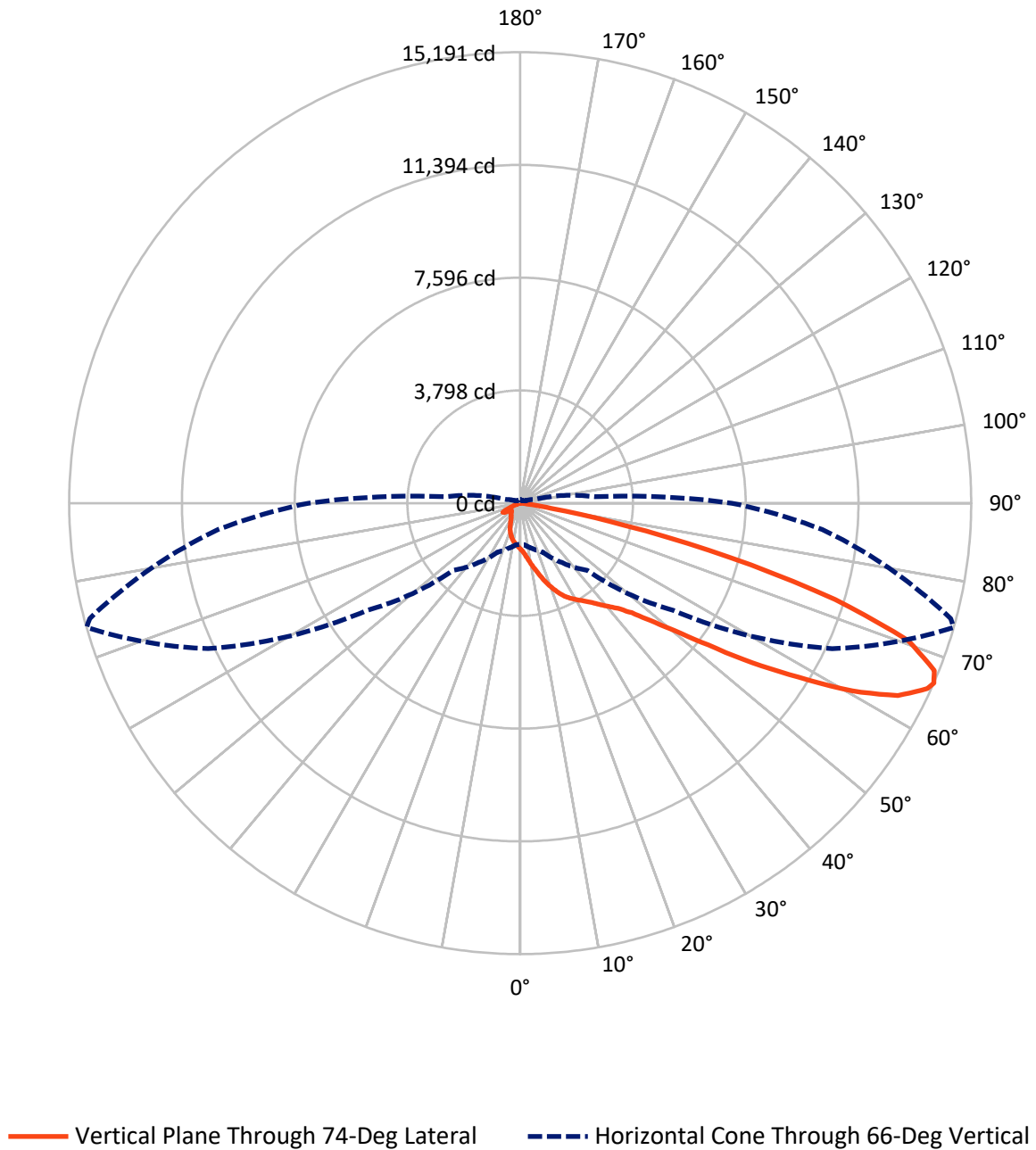
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1388.0	0.0	1388.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12771.0	0.0	12771.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	14159.0	0.0	14159.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	1.1
10°-20°	483.6	3.4
20°-30°	923.0	6.5
30°-40°	1617.7	11.4
40°-50°	2774.0	19.6
50°-60°	3607.8	25.5
60°-70°	3266.0	23.1
70°-80°	1260.2	8.9
80°-90°	75.8	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°	14159.0	100.0
0°-180°	14159.0	100.0

Coefficient of Utilization



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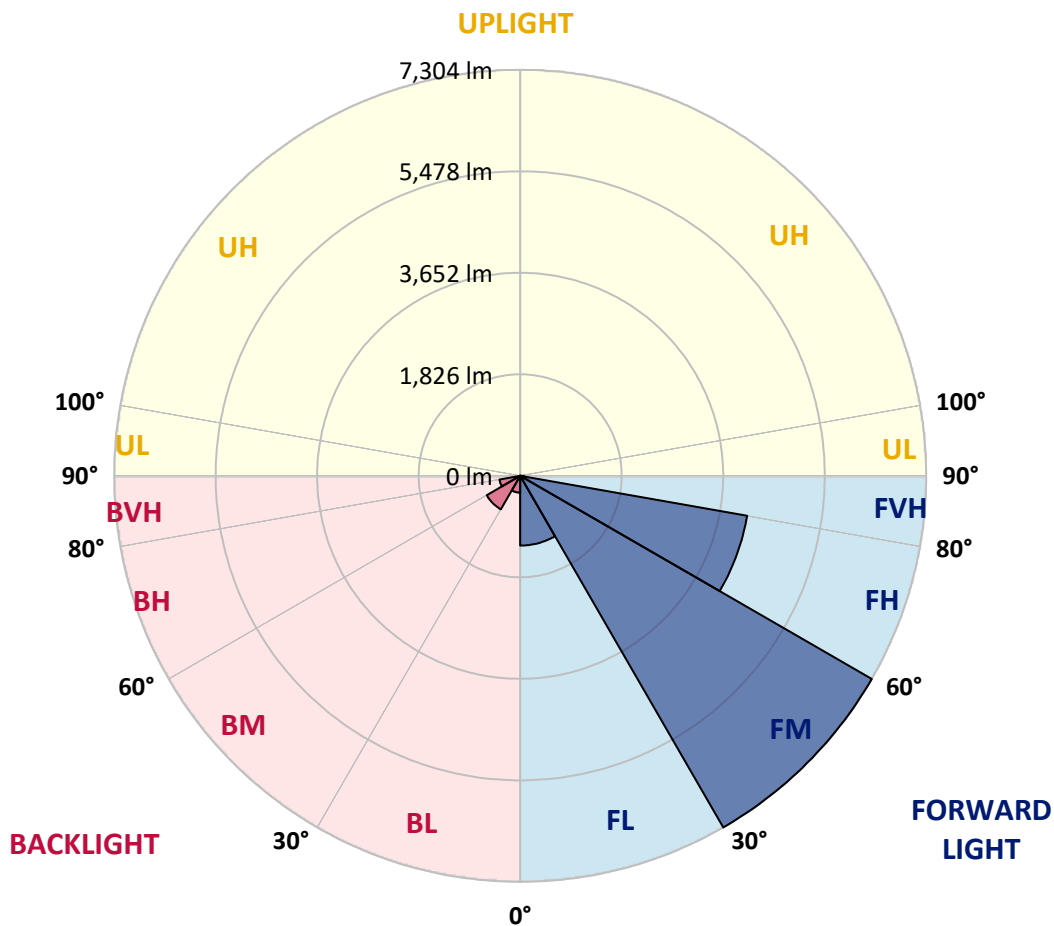
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1254.7	8.9			
FM	(30°-60°)	7303.9	51.6			
FH	(60°-80°)	4146.7	29.3			G2/5000
FVH	(80°-90°)	65.7	0.5			G1/100
BL	(0°-30°)	302.8	2.1	B1/500		
BM	(30°-60°)	695.6	4.9	B1/1000		
BH	(60°-80°)	379.5	2.7	B1/500		G1/500
BVH	(80°-90°)	10.2	0.1			G1/100
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6
2.5°	1855.7	1840.5	1812.5	1810.0	1787.1	1759.1	1710.8	1660.0	1624.4	1619.3	1576.1
5°	2221.8	2214.1	2186.2	2168.4	2125.2	2059.1	1947.2	1835.4	1741.3	1731.1	1634.5
7.5°	2318.4	2323.5	2328.5	2346.3	2331.1	2300.6	2216.7	2059.1	1911.6	1888.8	1721.0
10°	2333.6	2328.5	2328.5	2351.4	2394.6	2437.8	2427.7	2292.9	2102.3	2074.3	1840.5
12.5°	2498.9	2506.5	2488.7	2478.5	2470.9	2493.8	2570.0	2511.6	2303.1	2280.2	1985.4
15°	2712.4	2709.8	2684.4	2684.4	2661.5	2623.4	2671.7	2714.9	2544.6	2516.6	2150.6
17.5°	2867.5	2877.6	2875.1	2890.3	2882.7	2831.9	2806.4	2895.4	2793.7	2758.1	2338.7
20°	2992.0	3020.0	3030.1	3078.4	3101.3	3065.7	2999.6	3055.6	3032.7	2999.6	2529.4
22.5°	3124.2	3147.1	3164.9	3248.8	3312.3	3304.7	3220.8	3208.1	3264.0	3233.5	2717.5
25°	3256.4	3266.6	3319.9	3421.6	3523.3	3548.7	3462.3	3363.2	3472.5	3444.5	2885.2
27.5°	3401.3	3406.4	3469.9	3594.5	3736.8	3790.2	3721.6	3538.6	3632.6	3632.6	3037.8
30°	3665.7	3716.5	3741.9	3853.8	3978.3	4052.1	3970.7	3724.1	3775.0	3797.8	3197.9
32.5°	4235.1	4242.7	4235.1	4283.4	4308.8	4352.0	4258.0	3932.6	3919.9	3945.3	3355.5
35°	5104.5	5074.0	4992.6	4921.4	4774.0	4692.7	4570.6	4199.5	4097.8	4133.4	3510.6
37.5°	6159.4	6116.2	5930.6	5712.0	5396.8	5071.4	4918.9	4524.9	4324.1	4369.8	3678.4
40°	7166.1	7138.1	6917.0	6647.5	6108.6	5551.9	5229.0	4799.4	4575.7	4593.5	3848.7
42.5°	7994.8	7989.7	7804.1	7522.0	6830.5	6070.5	5595.1	5068.9	4840.1	4868.1	4026.6
45°	8622.7	8574.4	8437.1	8233.8	7529.6	6609.4	6037.4	5478.2	5264.6	5297.7	4293.6
47.5°	8622.7	8630.3	8719.3	8699.0	8017.7	7115.2	6520.4	5994.2	5892.5	5923.0	4733.3
50°	7921.1	7992.3	8388.8	8721.8	8271.9	7509.3	7041.5	6639.9	6744.1	6789.9	5501.0
52.5°	6533.1	6652.6	7341.5	8101.6	8083.8	7707.5	7580.4	7461.0	7928.7	8010.1	6634.8
55°	4964.7	5043.5	5940.8	6939.8	7265.2	7544.9	8050.7	8503.2	9497.2	9479.4	7786.4
57.5°	3708.9	3782.6	4555.4	5663.7	6093.3	6840.7	8292.2	9695.4	11052.9	11121.5	8866.7
60°	2727.6	2783.6	3442.0	4352.0	4972.3	5762.9	8195.6	10869.9	12845.1	12766.3	9820.0
62.5°	2018.4	2048.9	2524.3	3116.6	3940.2	4695.2	7588.1	11673.2	14276.3	14116.1	10351.3
65°	1560.8	1571.0	1817.6	2132.8	2864.9	3650.4	6683.1	11795.2	15066.8	14896.5	10341.1
66°	1390.5	1398.1	1578.6	1822.7	2437.8	3195.4	6286.5	11599.5	15191.4	15010.9	10214.0
67.5°	1166.8	1161.7	1268.5	1428.6	1830.3	2465.8	5582.4	11027.5	15044.0	14952.4	9807.3
70°	864.3	866.8	920.2	958.4	1070.2	1365.1	4031.7	9565.8	13864.4	13859.4	8691.3
72.5°	640.6	648.2	688.9	696.5	668.6	739.7	2323.5	7608.4	11091.0	11093.6	6497.5
75°	480.5	493.2	505.9	511.0	485.5	467.7	1049.9	5119.7	7295.7	7242.4	3678.4
77.5°	366.1	371.1	381.3	373.7	368.6	322.8	437.2	2496.3	3602.1	3281.8	1192.2
80°	266.9	266.9	277.1	266.9	264.4	231.3	239.0	800.8	1057.5	879.6	256.7
82.5°	167.8	165.2	172.9	170.3	165.2	147.4	139.8	223.7	244.0	218.6	124.6
85°	94.1	91.5	89.0	86.4	78.8	66.1	76.3	83.9	111.9	114.4	89.0
87.5°	33.0	33.0	30.5	28.0	22.9	22.9	28.0	28.0	40.7	40.7	45.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6	1545.6
2.5°	1555.7	1527.8	1487.1	1433.7	1395.6	1357.5	1316.8	1293.9	1260.9	1253.2	1263.4
5°	1583.7	1532.9	1431.2	1319.3	1222.7	1136.3	1055.0	1006.7	958.4	940.6	948.2
7.5°	1642.2	1555.7	1382.9	1202.4	1042.2	912.6	816.0	760.1	716.9	699.1	704.2
10°	1728.6	1596.4	1337.1	1070.2	864.3	727.0	645.7	610.1	584.7	574.5	577.0
12.5°	1832.8	1654.9	1278.7	938.0	711.8	592.3	554.2	546.5	541.5	536.4	538.9
15°	1949.8	1705.7	1210.0	808.4	592.3	526.2	513.5	511.0	508.4	508.4	508.4
17.5°	2071.8	1751.5	1133.8	686.4	516.0	485.5	477.9	477.9	477.9	480.5	480.5
20°	2186.2	1787.1	1044.8	577.0	472.8	447.4	442.3	442.3	444.9	447.4	447.4
22.5°	2298.0	1802.3	940.6	500.8	437.2	414.4	406.7	406.7	406.7	409.3	409.3
25°	2394.6	1802.3	836.3	452.5	406.7	383.9	373.7	371.1	373.7	373.7	373.7
27.5°	2476.0	1794.7	734.7	419.4	376.2	353.3	343.2	340.6	345.7	348.3	348.3
30°	2562.4	1784.5	653.3	388.9	350.8	327.9	317.8	317.8	325.4	335.6	335.6
32.5°	2646.3	1792.2	589.8	363.5	325.4	307.6	297.4	300.0	315.2	330.5	330.5
35°	2735.3	1807.4	551.6	345.7	307.6	289.8	282.2	289.8	305.0	320.3	320.3
37.5°	2824.2	1825.2	528.8	330.5	292.3	274.5	269.5	279.6	297.4	312.7	315.2
40°	2918.3	1840.5	503.3	315.2	282.2	261.8	259.3	269.5	292.3	307.6	310.1
42.5°	3035.2	1871.0	472.8	302.5	272.0	246.6	249.1	256.7	279.6	302.5	305.0
45°	3264.0	1967.6	442.3	289.8	259.3	239.0	233.9	239.0	264.4	289.8	294.9
47.5°	3693.6	2186.2	409.3	277.1	246.6	233.9	213.5	218.6	241.5	269.5	272.0
50°	4517.3	2651.4	391.5	264.4	236.4	216.1	193.2	193.2	211.0	236.4	236.4
52.5°	5801.0	3485.2	401.6	254.2	223.7	198.3	175.4	172.9	183.0	200.8	200.8
55°	7186.4	4400.3	439.8	244.0	208.4	188.1	162.7	150.0	157.6	167.8	167.8
57.5°	8284.6	4860.4	544.0	239.0	190.7	180.5	147.4	129.6	137.3	147.4	147.4
60°	8767.6	4591.0	660.9	244.0	177.9	167.8	132.2	114.4	127.1	137.3	139.8
62.5°	8376.1	3780.1	709.2	231.3	160.2	150.0	129.6	106.8	122.0	129.6	132.2
65°	7529.6	2872.5	554.2	200.8	147.4	129.6	116.9	101.7	114.4	122.0	122.0
66°	7128.0	2503.9	472.8	185.6	142.4	122.0	111.9	101.7	111.9	116.9	119.5
67.5°	6505.2	1975.2	350.8	162.7	132.2	111.9	104.2	96.6	106.8	111.9	111.9
70°	5086.7	1177.0	211.0	127.1	114.4	99.1	94.1	89.0	96.6	99.1	99.1
72.5°	3185.2	559.3	134.7	94.1	96.6	94.1	78.8	83.9	86.4	89.0	89.0
75°	1543.0	221.2	91.5	68.6	78.8	89.0	63.6	73.7	76.3	81.3	78.8
77.5°	429.6	106.8	58.5	50.8	68.6	68.6	48.3	58.5	68.6	86.4	78.8
80°	124.6	68.6	38.1	38.1	48.3	48.3	33.0	40.7	45.8	50.8	53.4
82.5°	86.4	45.8	25.4	28.0	28.0	30.5	20.3	20.3	25.4	25.4	28.0
85°	68.6	20.3	15.3	17.8	12.7	15.3	10.2	10.2	12.7	10.2	10.2
87.5°	28.0	10.2	10.2	10.2	7.6	7.6	5.1	2.5	2.5	2.5	2.5
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)