

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: P1210110

Luminaire Tested: **ARCH2-110-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-110-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9417 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

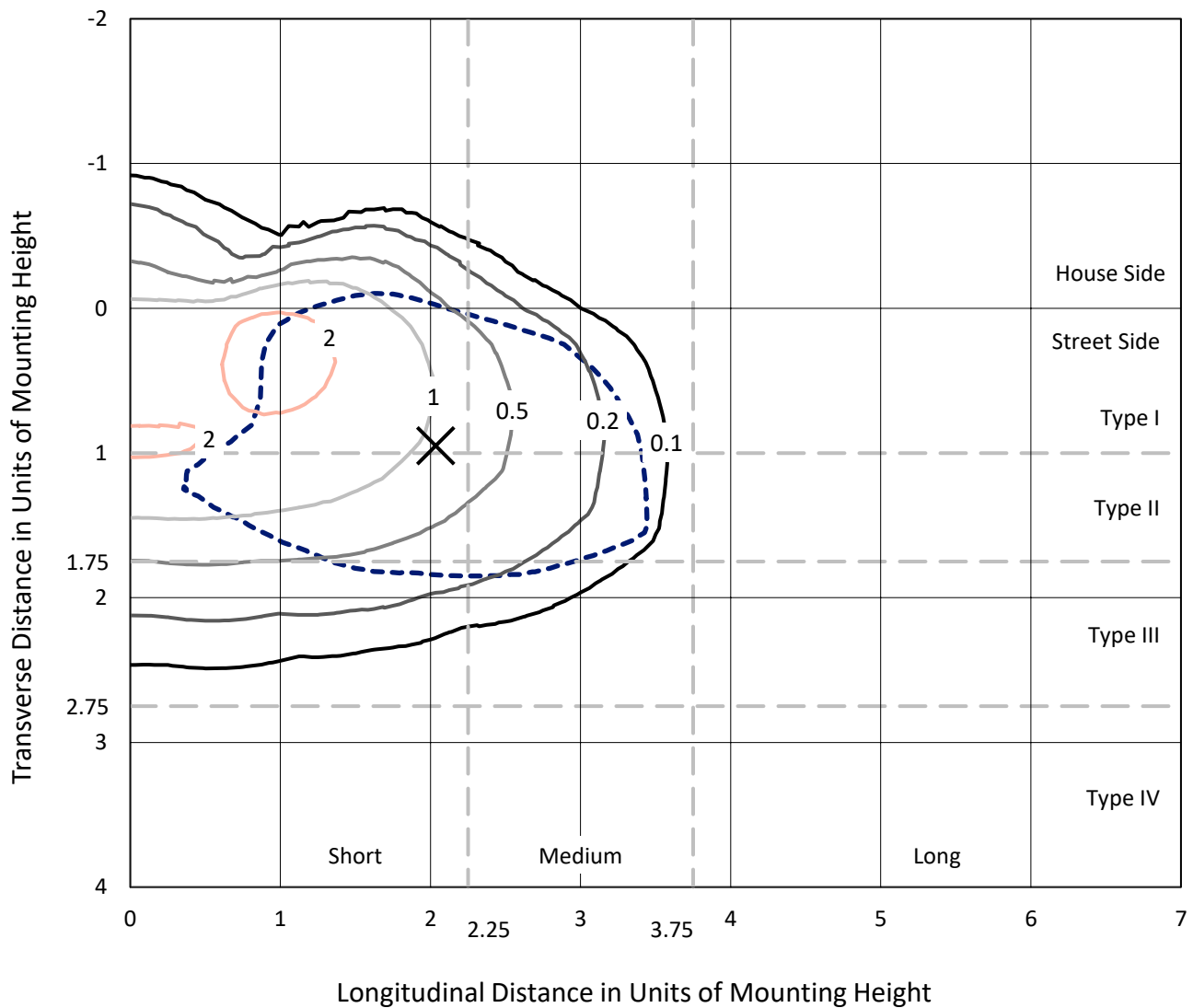
Input Watts (W): 109.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P1210110
CATALOG NUMBER: ARCH2-110-730-U-T3RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

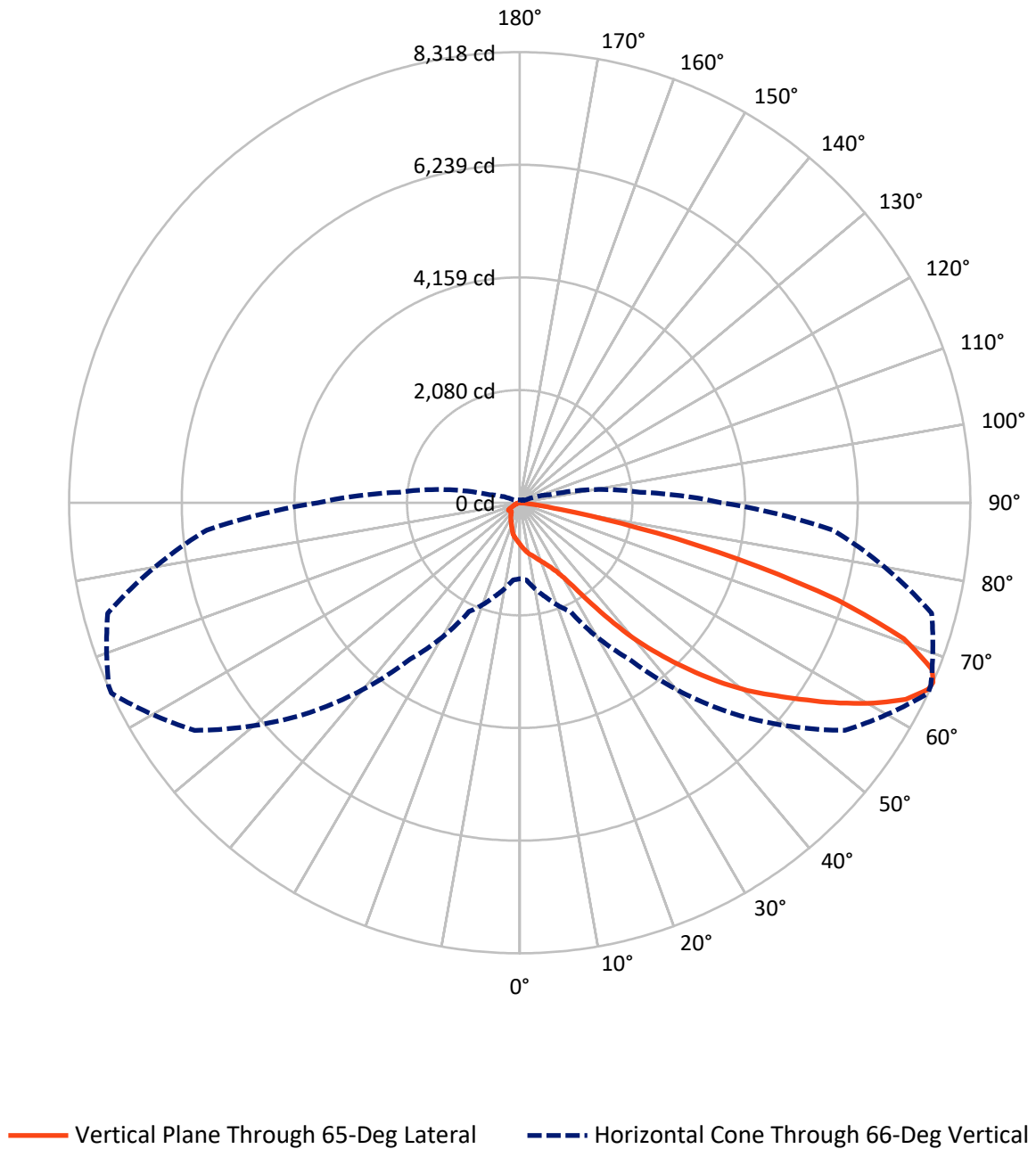
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Short - N/A

REPORT NUMBER: P1210110
CATALOG NUMBER: ARCH2-110-730-U-T3RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1210110

CATALOG NUMBER: ARCH2-110-730-U-T3RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1111.4	0.0	1111.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	8305.6	0.0	8305.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	9417.0	0.0	9417.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	0.8
10°-20°	215.3	2.3
20°-30°	394.1	4.2
30°-40°	800.8	8.5
40°-50°	1691.0	18.0
50°-60°	2599.7	27.6
60°-70°	2616.8	27.8
70°-80°	977.8	10.4
80°-90°	48.8	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°	9417.0	100.0
0°-180°	9417.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210110

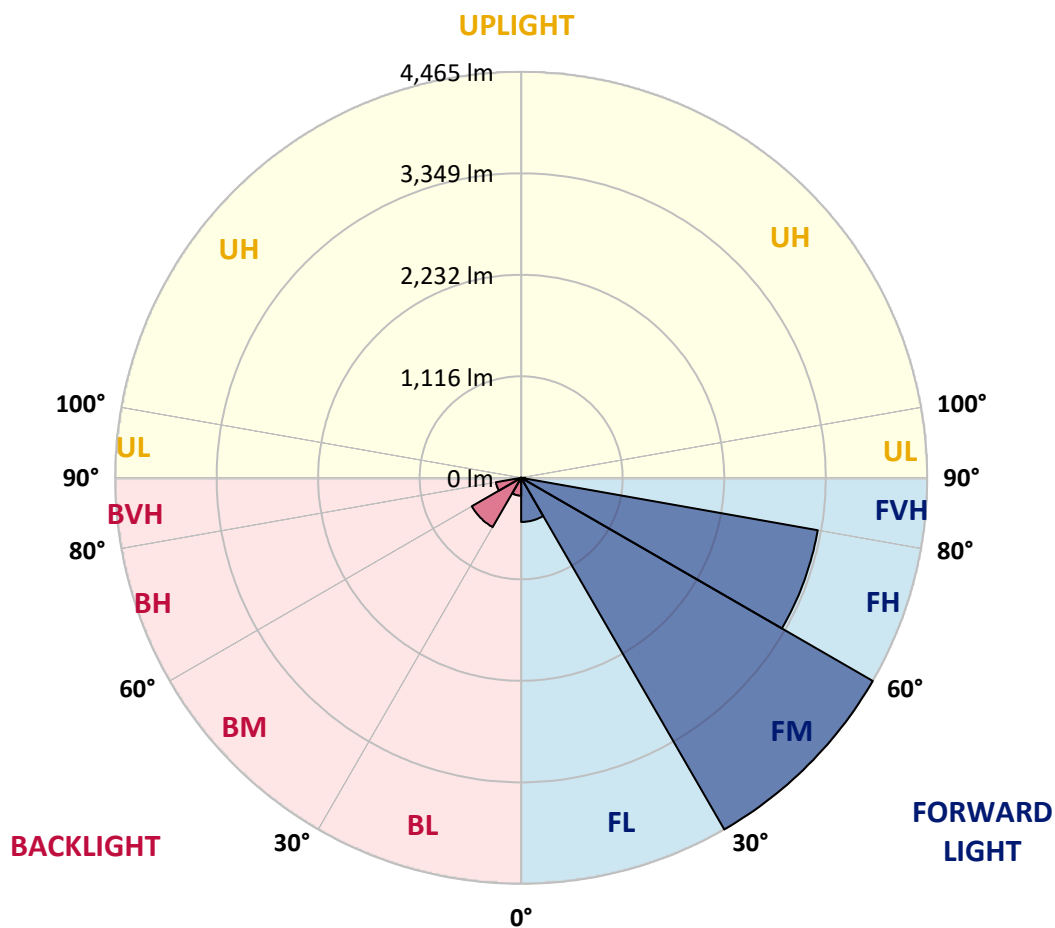
CATALOG NUMBER: ARCH2-110-730-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.4	5.2			
FM	(30°-60°)	4464.9	47.4			
FH	(60°-80°)	3312.2	35.2			G2/5000
FVH	(80°-90°)	43.1	0.5			G1/100
BL	(0°-30°)	196.7	2.1	B1/500		
BM	(30°-60°)	626.6	6.7	B1/1000		
BH	(60°-80°)	282.3	3.0	B1/500		G1/500
BVH	(80°-90°)	5.7	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 III Short



REPORT NUMBER: P1210110

CATALOG NUMBER: ARCH2-110-730-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	767.2	767.2	767.2	767.2	767.2	767.2	767.2	767.2	767.2	767.2	767.2
2.5°	874.9	876.6	873.2	866.3	859.5	850.9	837.3	815.1	811.6	796.3	779.2
5°	934.7	938.1	933.0	931.3	927.8	915.9	897.1	864.6	861.2	830.4	791.1
7.5°	955.2	960.3	956.9	956.9	956.9	951.8	943.2	914.2	909.0	869.7	809.9
10°	970.6	974.0	972.3	979.1	984.2	980.8	975.7	958.6	953.5	914.2	835.6
12.5°	994.5	996.2	997.9	1001.3	1009.9	1013.3	1011.6	996.2	992.8	965.4	868.0
15°	1016.7	1016.7	1018.4	1033.8	1045.7	1052.6	1054.3	1042.3	1038.9	1016.7	909.0
17.5°	1037.2	1038.9	1044.0	1061.1	1081.6	1095.3	1103.8	1098.7	1093.6	1076.5	956.9
20°	1068.0	1071.4	1076.5	1100.4	1120.9	1143.1	1160.2	1158.5	1156.8	1144.9	1013.3
22.5°	1120.9	1124.3	1132.9	1155.1	1175.6	1202.9	1232.0	1230.3	1225.2	1216.6	1079.9
25°	1201.2	1201.2	1206.4	1225.2	1250.8	1283.3	1310.6	1315.7	1310.6	1305.5	1163.6
27.5°	1302.1	1303.8	1303.8	1324.3	1348.2	1389.2	1423.4	1428.5	1428.5	1423.4	1276.4
30°	1442.2	1437.0	1433.6	1450.7	1476.3	1536.1	1596.0	1606.2	1601.1	1609.6	1435.3
32.5°	1683.1	1674.6	1645.5	1648.9	1664.3	1746.3	1847.1	1883.0	1881.3	1896.7	1691.6
35°	2016.3	1999.2	1956.5	1920.6	1918.9	2007.8	2161.5	2296.5	2294.8	2347.8	2081.2
37.5°	2392.2	2414.4	2334.1	2272.6	2253.8	2323.9	2522.1	2814.3	2829.7	2921.9	2592.1
40°	2894.6	2908.3	2805.7	2718.6	2629.7	2655.4	2916.8	3371.3	3398.7	3501.2	3103.1
42.5°	3332.0	3345.7	3285.9	3179.9	3067.2	3019.3	3314.9	3877.1	3899.3	4041.2	3629.3
45°	3629.3	3639.6	3660.1	3670.4	3542.2	3443.1	3801.9	4396.6	4423.9	4587.9	4143.7
47.5°	3861.7	3870.3	3911.3	4013.8	3988.2	3909.6	4297.5	4936.5	4943.4	5126.2	4644.3
50°	3969.4	3989.9	4090.7	4247.9	4360.7	4382.9	4835.7	5447.4	5466.2	5640.5	5117.7
52.5°	3849.8	3856.6	4111.2	4406.8	4634.1	4859.6	5375.7	5920.8	5975.4	6105.3	5543.1
55°	3446.5	3496.1	3882.2	4401.7	4849.4	5312.4	5953.2	6431.7	6481.2	6563.2	5917.3
57.5°	2978.3	3033.0	3502.9	4181.3	4941.7	5731.1	6488.1	6975.0	7009.2	7031.4	6260.8
60°	2573.3	2624.6	3108.2	3759.2	4849.4	6026.7	6985.3	7515.0	7544.1	7484.2	6433.4
62.5°	2076.1	2127.4	2614.4	3200.5	4487.1	6086.5	7354.4	7995.2	8007.1	7844.8	6327.4
65°	1565.2	1599.4	2006.1	2508.4	3853.2	5768.7	7438.1	8294.2	8282.2	7949.0	6009.6
66°	1402.9	1431.9	1790.8	2217.9	3523.4	5478.2	7325.3	8318.1	8306.1	7872.1	5801.1
67.5°	1209.8	1218.3	1513.9	1814.7	2947.6	4861.3	6981.9	8208.7	8219.0	7660.2	5420.1
70°	944.9	943.2	1114.1	1262.8	2012.9	3458.5	5823.4	7520.1	7569.7	6860.6	4622.1
72.5°	604.9	584.4	683.5	772.3	1172.2	2007.8	4246.2	6129.2	6212.9	5389.3	3443.1
75°	360.5	340.0	364.0	386.2	562.2	965.4	2496.5	4171.0	4251.3	3455.1	2048.8
77.5°	270.0	261.4	263.1	244.3	249.5	362.3	1139.7	2204.3	2262.4	1414.8	777.5
80°	206.8	184.5	172.6	181.1	164.0	143.5	423.8	758.7	794.6	334.9	162.3
82.5°	138.4	119.6	111.1	121.3	104.2	80.3	102.5	147.0	143.5	90.6	63.2
85°	71.8	61.5	61.5	61.5	53.0	39.3	44.4	59.8	59.8	47.8	37.6
87.5°	20.5	18.8	22.2	20.5	15.4	15.4	17.1	20.5	20.5	18.8	17.1
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: P1210110

CATALOG NUMBER: ARCH2-110-730-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	767.2	767.2	767.2	767.2	767.2	767.2	767.2	767.2	767.2	767.2	767.2
2.5°	765.5	758.7	739.9	726.2	712.5	700.6	686.9	683.5	676.7	678.4	674.9
5°	770.6	751.8	719.4	688.6	664.7	644.2	618.6	608.3	594.6	589.5	586.1
7.5°	777.5	750.1	702.3	659.6	618.6	577.6	536.5	512.6	497.2	490.4	485.3
10°	792.9	757.0	693.7	627.1	557.0	498.9	457.9	440.9	430.6	428.9	427.2
12.5°	813.4	767.2	685.2	586.1	493.8	439.1	413.5	408.4	406.7	406.7	405.0
15°	844.1	784.3	671.5	538.3	444.3	406.7	394.7	386.2	382.8	382.8	382.8
17.5°	874.9	804.8	651.0	488.7	410.1	386.2	374.2	369.1	365.7	367.4	365.7
20°	914.2	828.7	623.7	446.0	387.9	369.1	357.1	352.0	350.3	350.3	350.3
22.5°	958.6	856.1	589.5	413.5	369.1	352.0	340.0	334.9	331.5	333.2	333.2
25°	1018.4	890.2	553.6	381.0	350.3	334.9	321.2	314.4	314.4	316.1	317.8
27.5°	1095.3	931.3	517.7	360.5	333.2	317.8	302.4	295.6	297.3	300.7	300.7
30°	1208.1	987.6	481.9	338.3	314.4	297.3	283.6	276.8	280.2	287.1	287.1
32.5°	1368.7	1079.9	451.1	312.7	287.1	268.3	254.6	249.5	258.0	271.7	271.7
35°	1655.8	1249.1	432.3	287.1	258.0	235.8	218.7	213.6	225.6	242.6	242.6
37.5°	2040.2	1520.8	439.1	264.9	234.1	208.5	189.7	182.8	191.4	206.8	211.9
40°	2469.1	1848.8	498.9	246.1	211.9	186.3	167.5	160.6	165.7	172.6	174.3
42.5°	2898.0	2197.4	611.7	232.4	194.8	167.5	150.4	145.2	148.7	150.4	152.1
45°	3325.2	2542.6	753.6	223.8	179.4	152.1	135.0	135.0	136.7	136.7	136.7
47.5°	3730.2	2879.2	902.2	222.1	165.7	136.7	123.0	124.7	124.7	126.4	126.4
50°	4112.9	3179.9	1052.6	227.3	153.8	123.0	112.8	112.8	112.8	114.5	112.8
52.5°	4432.5	3443.1	1209.8	235.8	141.8	112.8	102.5	102.5	102.5	104.2	102.5
55°	4734.9	3682.3	1370.4	247.8	131.6	104.2	94.0	90.6	90.6	92.3	90.6
57.5°	4981.0	3841.2	1522.5	249.5	123.0	95.7	87.1	82.0	82.0	82.0	82.0
60°	4991.2	3749.0	1566.9	218.7	112.8	87.1	78.6	71.8	73.5	73.5	73.5
62.5°	4664.8	3263.7	1259.3	164.0	100.8	78.6	71.8	64.9	64.9	64.9	64.9
65°	4024.1	2539.2	738.2	129.9	87.1	70.1	63.2	58.1	58.1	58.1	56.4
66°	3723.3	2226.5	565.6	117.9	82.0	68.3	61.5	56.4	54.7	53.0	53.0
67.5°	3232.9	1760.0	353.7	104.2	75.2	63.2	56.4	51.3	49.6	47.8	47.8
70°	2434.9	1117.5	172.6	80.3	64.9	54.7	49.6	44.4	42.7	41.0	39.3
72.5°	1708.7	654.4	90.6	61.5	53.0	47.8	42.7	37.6	35.9	34.2	34.2
75°	965.4	316.1	59.8	44.4	42.7	39.3	35.9	30.8	29.0	29.0	29.0
77.5°	365.7	109.4	41.0	32.5	34.2	30.8	25.6	25.6	23.9	25.6	23.9
80°	95.7	47.8	25.6	23.9	25.6	22.2	18.8	20.5	20.5	20.5	20.5
82.5°	51.3	27.3	15.4	17.1	15.4	15.4	12.0	13.7	15.4	13.7	15.4
85°	35.9	13.7	8.5	8.5	6.8	6.8	5.1	6.8	8.5	6.8	6.8
87.5°	18.8	5.1	5.1	5.1	5.1	3.4	1.7	0.0	1.7	1.7	1.7
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)