

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: P1210366

Luminaire Tested: **ARCH3-100-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210366
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: ARCH3-100-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 805mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10888 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

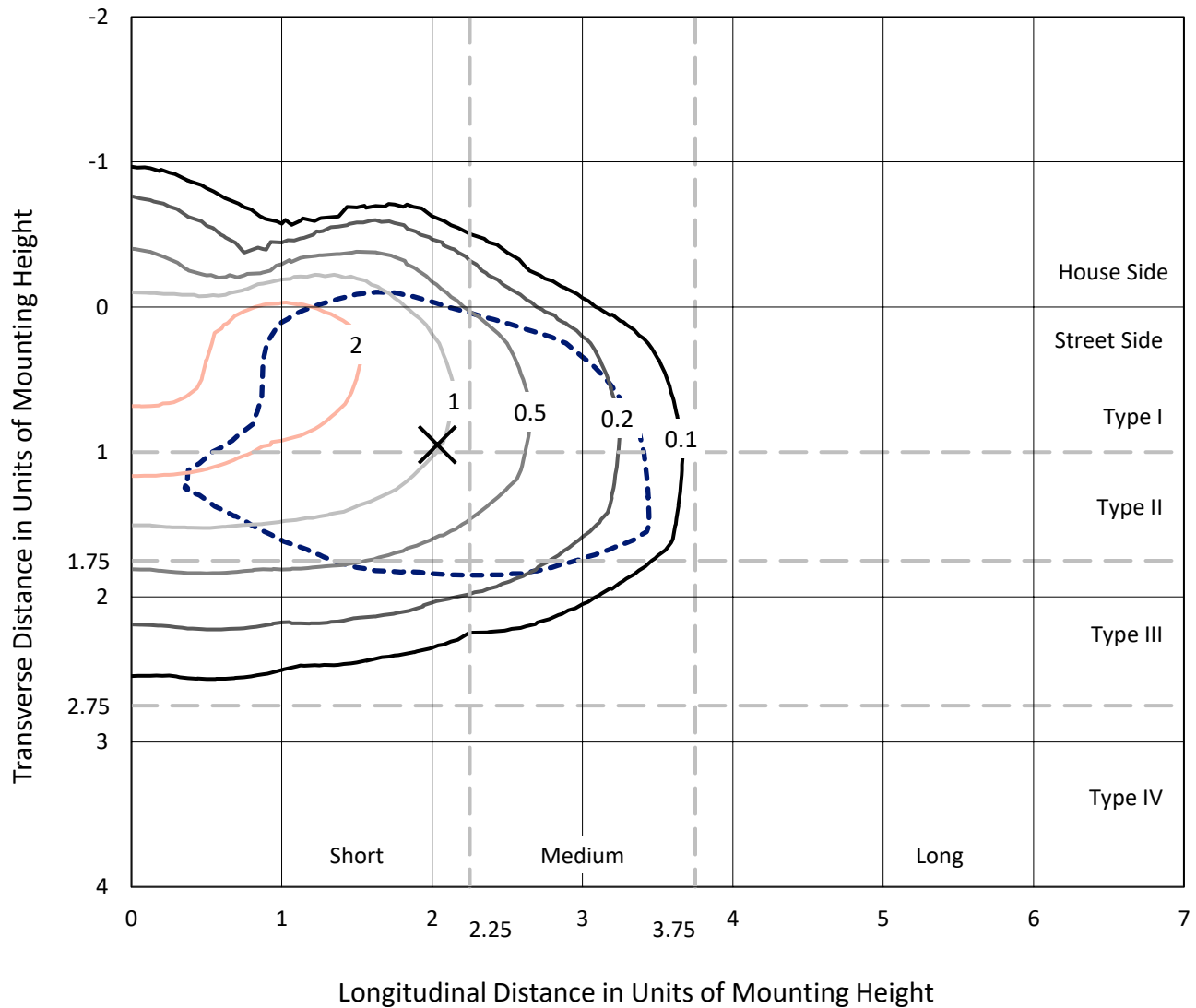
Input Watts (W): 102.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P1210366
CATALOG NUMBER: ARCH3-100-730-U-T3RE-HSS

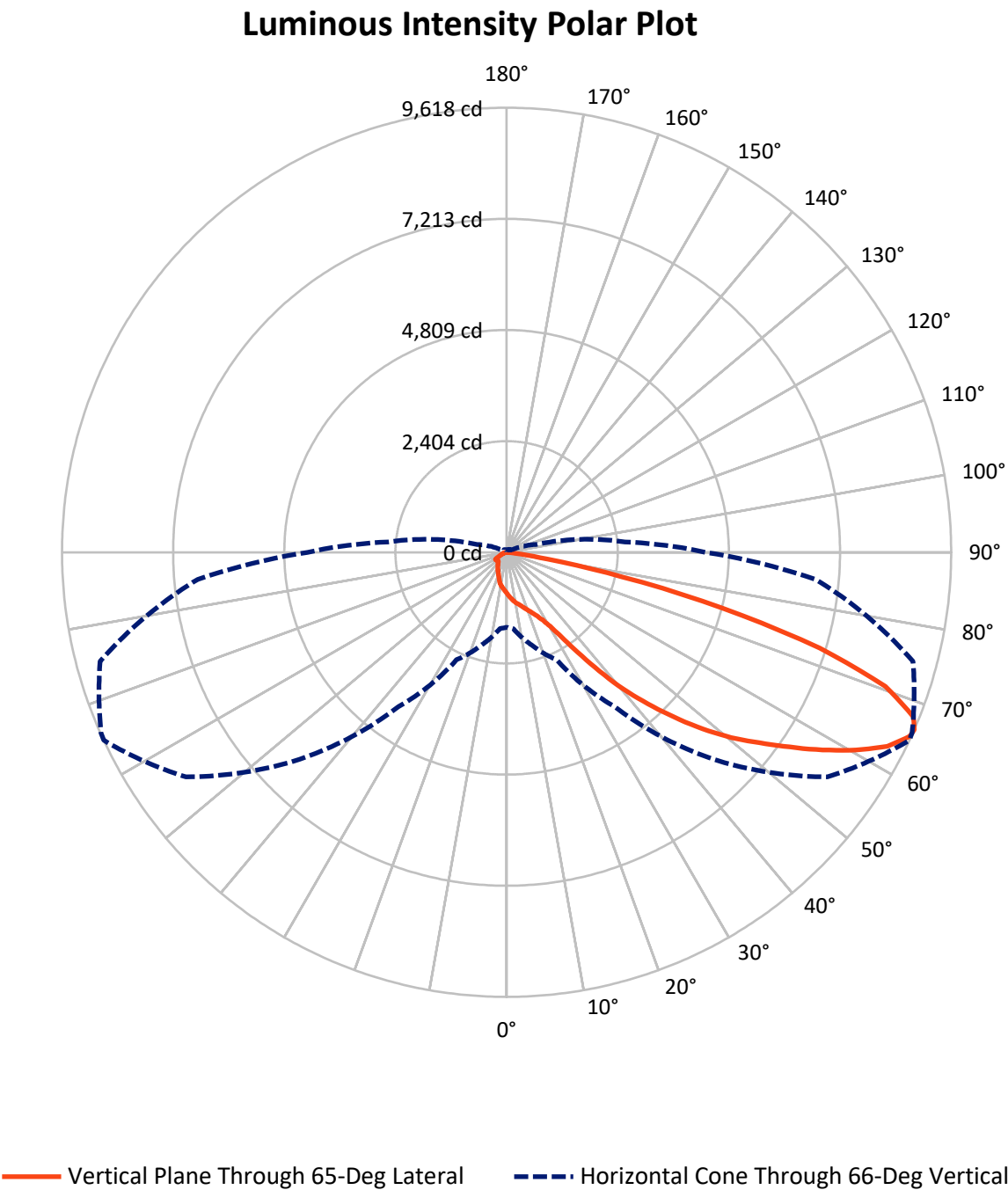
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type III - Short - N/A

REPORT NUMBER: P1210366
CATALOG NUMBER: ARCH3-100-730-U-T3RE-HSS



REPORT NUMBER: P1210366

CATALOG NUMBER: ARCH3-100-730-U-T3RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1285.0	0.0	1285.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	9603.0	0.0	9603.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	10888.0	0.0	10888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	0.8
10°-20°	248.9	2.3
20°-30°	455.7	4.2
30°-40°	925.9	8.5
40°-50°	1955.2	18.0
50°-60°	3005.8	27.6
60°-70°	3025.5	27.8
70°-80°	1130.5	10.4
80°-90°	56.5	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°	10888.0	100.0
0°-180°	10888.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210366

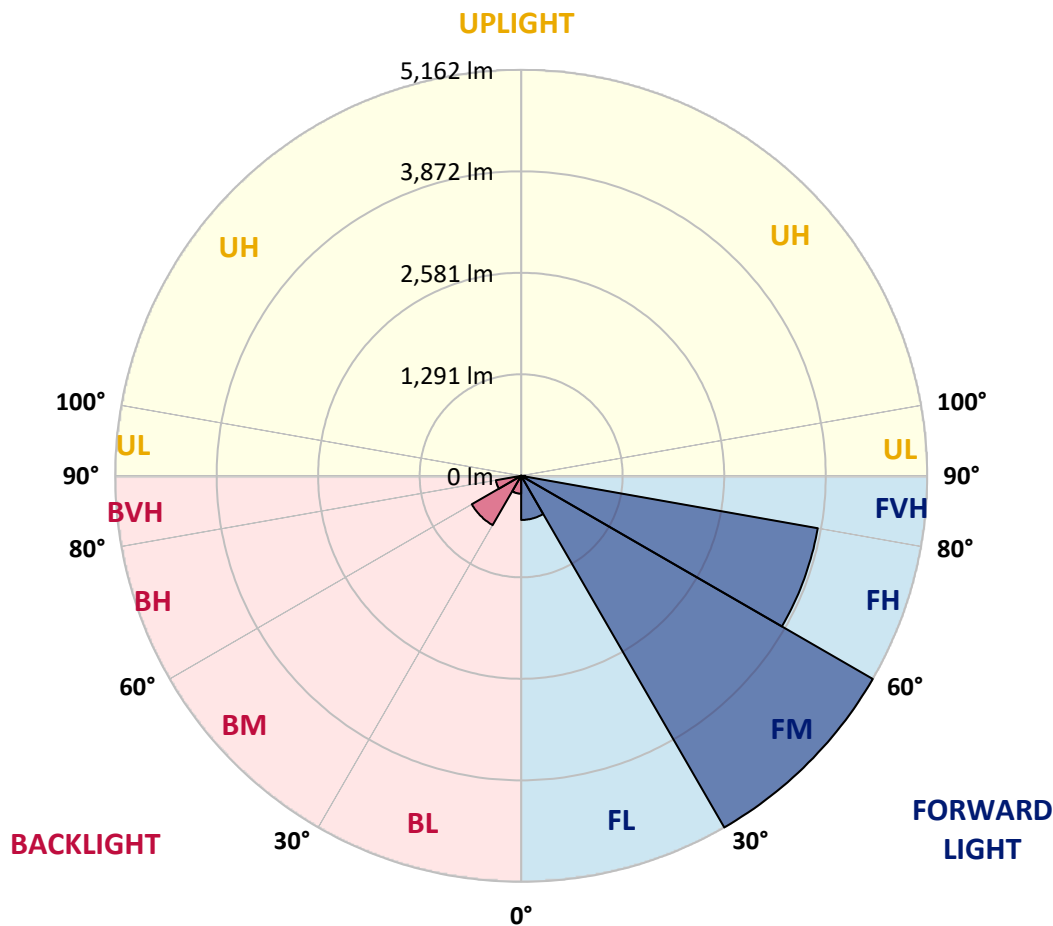
CATALOG NUMBER: ARCH3-100-730-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	561.3	5.2			
FM	(30°-60°)	5162.3	47.4			
FH	(60°-80°)	3829.6	35.2			G2/5000
FVH	(80°-90°)	49.8	0.5			G1/100
BL	(0°-30°)	227.4	2.1	B1/500		
BM	(30°-60°)	724.5	6.7	B1/1000		
BH	(60°-80°)	326.4	3.0	B1/500		G1/500
BVH	(80°-90°)	6.6	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: P1210366

CATALOG NUMBER: ARCH3-100-730-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1
2.5°	1011.5	1013.5	1009.6	1001.7	993.8	983.9	968.1	942.4	938.4	920.7	900.9
5°	1080.7	1084.6	1078.7	1076.7	1072.8	1058.9	1037.2	999.7	995.7	960.2	914.7
7.5°	1104.4	1110.3	1106.4	1106.4	1106.4	1100.4	1090.6	1057.0	1051.0	1005.6	936.5
10°	1122.2	1126.1	1124.1	1132.0	1138.0	1134.0	1128.1	1108.3	1102.4	1057.0	966.1
12.5°	1149.8	1151.8	1153.8	1157.7	1167.6	1171.6	1169.6	1151.8	1147.9	1116.2	1003.6
15°	1175.5	1175.5	1177.5	1195.3	1209.1	1217.0	1219.0	1205.1	1201.2	1175.5	1051.0
17.5°	1199.2	1201.2	1207.1	1226.9	1250.6	1266.4	1276.3	1270.3	1264.4	1244.7	1106.4
20°	1234.8	1238.7	1244.7	1272.3	1296.0	1321.7	1341.5	1339.5	1337.5	1323.7	1171.6
22.5°	1296.0	1300.0	1309.9	1335.5	1359.2	1390.9	1424.4	1422.5	1416.5	1406.7	1248.6
25°	1388.9	1388.9	1394.8	1416.5	1446.2	1483.7	1515.3	1521.2	1515.3	1509.4	1345.4
27.5°	1505.4	1507.4	1507.4	1531.1	1558.8	1606.2	1645.7	1651.6	1651.6	1645.7	1475.8
30°	1667.4	1661.5	1657.6	1677.3	1707.0	1776.1	1845.3	1857.1	1851.2	1861.1	1659.5
32.5°	1946.0	1936.1	1902.5	1906.5	1924.3	2019.1	2135.7	2177.2	2175.2	2193.0	1955.9
35°	2331.3	2311.5	2262.1	2220.6	2218.7	2321.4	2499.2	2655.3	2653.3	2714.5	2406.3
37.5°	2765.9	2791.6	2698.7	2627.6	2605.9	2686.9	2916.1	3253.9	3271.7	3378.4	2997.1
40°	3346.7	3362.6	3244.0	3143.3	3040.5	3070.2	3372.4	3898.0	3929.6	4048.1	3587.8
42.5°	3852.5	3868.3	3799.2	3676.7	3546.3	3491.0	3832.8	4482.7	4508.4	4672.4	4196.3
45°	4196.3	4208.1	4231.8	4243.7	4095.5	3980.9	4395.8	5083.3	5115.0	5304.6	4790.9
47.5°	4465.0	4474.8	4522.3	4640.8	4611.2	4520.3	4968.8	5707.6	5715.5	5926.9	5369.8
50°	4589.4	4613.1	4729.7	4911.5	5041.9	5067.5	5591.1	6298.4	6320.1	6521.6	5917.1
52.5°	4451.1	4459.0	4753.4	5095.2	5358.0	5618.7	6215.4	6845.6	6908.8	7059.0	6409.0
55°	3984.9	4042.2	4488.7	5089.3	5606.9	6142.3	6883.2	7436.3	7493.6	7588.5	6841.7
57.5°	3443.6	3506.8	4050.1	4834.4	5713.6	6626.3	7501.5	8064.6	8104.1	8129.8	7238.8
60°	2975.3	3034.6	3593.7	4346.4	5606.9	6968.1	8076.4	8688.9	8722.5	8653.3	7438.3
62.5°	2400.4	2459.7	3022.7	3700.4	5188.0	7037.3	8503.2	9244.1	9257.9	9070.2	7315.8
65°	1809.7	1849.2	2319.4	2900.3	4455.1	6669.8	8600.0	9589.8	9576.0	9190.7	6948.4
66°	1622.0	1655.6	2070.5	2564.4	4073.8	6333.9	8469.6	9617.5	9603.6	9101.8	6707.3
67.5°	1398.8	1408.6	1750.4	2098.1	3408.0	5620.7	8072.5	9491.0	9502.9	8856.8	6266.8
70°	1092.5	1090.6	1288.1	1460.0	2327.3	3998.7	6733.0	8694.8	8752.1	7932.2	5344.1
72.5°	699.4	675.7	790.3	893.0	1355.3	2321.4	4909.5	7086.6	7183.5	6231.2	3980.9
75°	416.9	393.2	420.8	446.5	650.0	1116.2	2886.4	4822.6	4915.4	3994.8	2368.8
77.5°	312.2	302.3	304.2	282.5	288.4	418.8	1317.8	2548.6	2615.8	1635.8	898.9
80°	239.1	213.4	199.5	209.4	189.7	166.0	490.0	877.2	918.7	387.2	187.7
82.5°	160.0	138.3	128.4	140.3	120.5	92.9	118.5	169.9	166.0	104.7	73.1
85°	83.0	71.1	71.1	71.1	61.2	45.4	51.4	69.1	69.1	55.3	43.5
87.5°	23.7	21.7	25.7	23.7	17.8	17.8	19.8	23.7	23.7	21.7	19.8
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: P1210366

CATALOG NUMBER: ARCH3-100-730-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1	887.1
2.5°	885.1	877.2	855.5	839.7	823.8	810.0	794.2	790.3	782.4	784.3	780.4
5°	891.0	869.3	831.7	796.2	768.5	744.8	715.2	703.3	687.5	681.6	677.6
7.5°	898.9	867.3	812.0	762.6	715.2	667.8	620.4	592.7	574.9	567.0	561.1
10°	916.7	875.2	802.1	725.1	644.1	576.9	529.5	509.7	497.9	495.9	493.9
12.5°	940.4	887.1	792.2	677.6	571.0	507.7	478.1	472.2	470.2	470.2	468.2
15°	976.0	906.8	776.4	622.3	513.7	470.2	456.4	446.5	442.5	442.5	442.5
17.5°	1011.5	930.5	752.7	565.0	474.2	446.5	432.7	426.7	422.8	424.8	422.8
20°	1057.0	958.2	721.1	515.6	448.5	426.7	412.9	407.0	405.0	405.0	405.0
22.5°	1108.3	989.8	681.6	478.1	426.7	407.0	393.2	387.2	383.3	385.3	385.3
25°	1177.5	1029.3	640.1	440.6	405.0	387.2	371.4	363.5	363.5	365.5	367.5
27.5°	1266.4	1076.7	598.6	416.9	385.3	367.5	349.7	341.8	343.8	347.7	347.7
30°	1396.8	1141.9	557.1	391.2	363.5	343.8	328.0	320.1	324.0	331.9	331.9
32.5°	1582.5	1248.6	521.6	361.5	331.9	310.2	294.4	288.4	298.3	314.1	314.1
35°	1914.4	1444.2	499.8	331.9	298.3	272.6	252.9	247.0	260.8	280.5	280.5
37.5°	2358.9	1758.3	507.7	306.2	270.7	241.0	219.3	211.4	221.3	239.1	245.0
40°	2854.8	2137.7	576.9	284.5	245.0	215.3	193.6	185.7	191.6	199.5	201.5
42.5°	3350.7	2540.7	707.3	268.7	225.2	193.6	173.9	167.9	171.9	173.9	175.8
45°	3844.6	2939.8	871.3	258.8	207.4	175.8	156.1	156.1	158.1	158.1	158.1
47.5°	4312.8	3329.0	1043.1	256.8	191.6	158.1	142.2	144.2	144.2	146.2	146.2
50°	4755.4	3676.7	1217.0	262.8	177.8	142.2	130.4	130.4	130.4	132.4	130.4
52.5°	5124.8	3980.9	1398.8	272.6	164.0	130.4	118.5	118.5	118.5	120.5	118.5
55°	5474.5	4257.5	1584.5	286.5	152.1	120.5	108.7	104.7	104.7	106.7	104.7
57.5°	5759.0	4441.3	1760.3	288.4	142.2	110.6	100.8	94.8	94.8	94.8	94.8
60°	5770.9	4334.6	1811.7	252.9	130.4	100.8	90.9	83.0	85.0	85.0	85.0
62.5°	5393.5	3773.5	1456.1	189.7	116.6	90.9	83.0	75.1	75.1	75.1	75.1
65°	4652.6	2935.8	853.5	150.1	100.8	81.0	73.1	67.2	67.2	67.2	65.2
66°	4304.9	2574.3	653.9	136.3	94.8	79.0	71.1	65.2	63.2	61.2	61.2
67.5°	3737.9	2034.9	409.0	120.5	86.9	73.1	65.2	59.3	57.3	55.3	55.3
70°	2815.3	1292.1	199.5	92.9	75.1	63.2	57.3	51.4	49.4	47.4	45.4
72.5°	1975.6	756.7	104.7	71.1	61.2	55.3	49.4	43.5	41.5	39.5	39.5
75°	1116.2	365.5	69.1	51.4	49.4	45.4	41.5	35.6	33.6	33.6	33.6
77.5°	422.8	126.4	47.4	37.5	39.5	35.6	29.6	29.6	27.7	29.6	27.7
80°	110.6	55.3	29.6	27.7	29.6	25.7	21.7	23.7	23.7	23.7	23.7
82.5°	59.3	31.6	17.8	19.8	17.8	17.8	13.8	15.8	17.8	15.8	17.8
85°	41.5	15.8	9.9	9.9	7.9	7.9	5.9	7.9	9.9	7.9	7.9
87.5°	21.7	5.9	5.9	5.9	5.9	4.0	2.0	0.0	2.0	2.0	2.0
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)