

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: P1210056

Luminaire Tested: **ARCH1-60-750-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210056
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: ARCH1-60-750-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5433 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

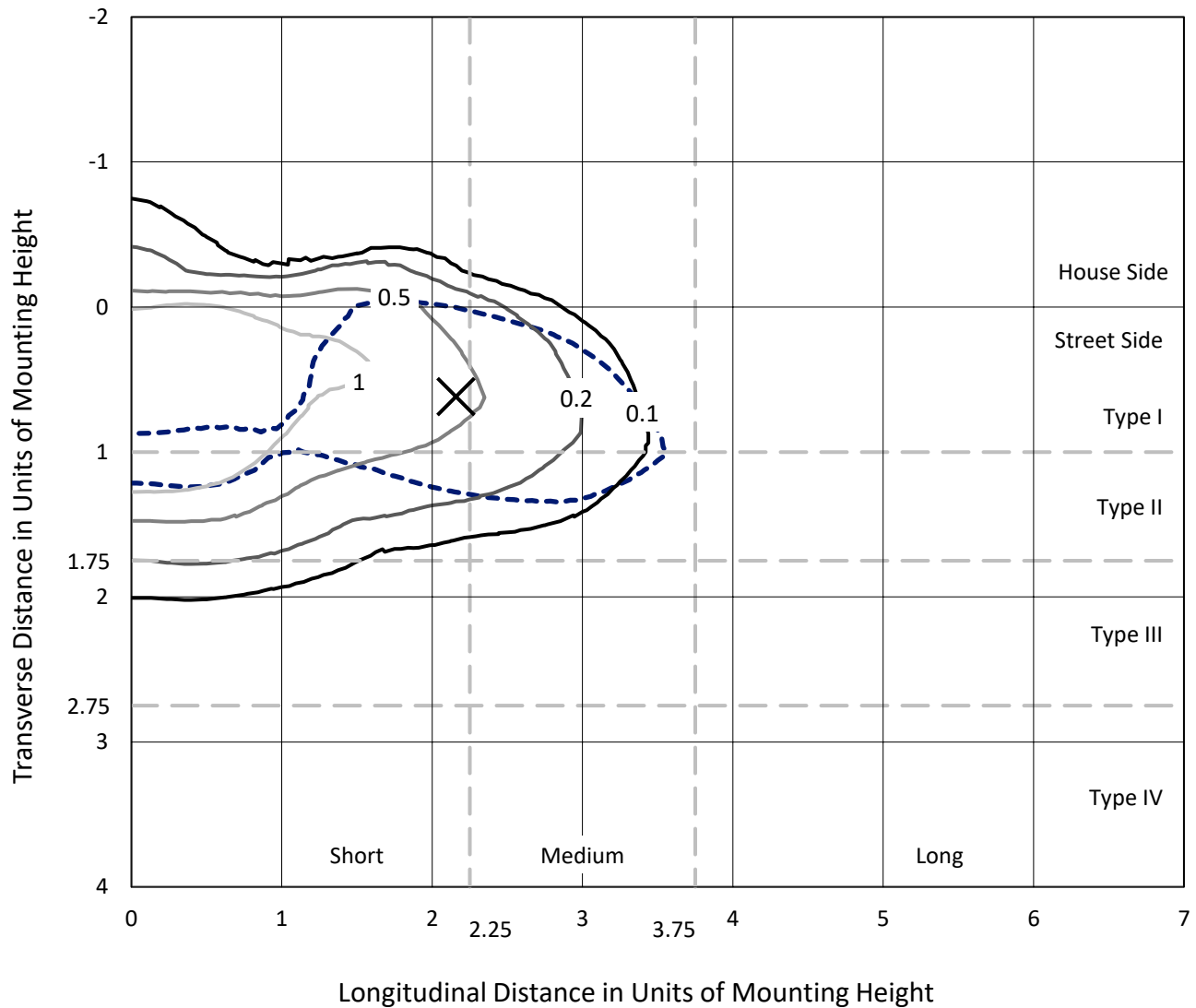
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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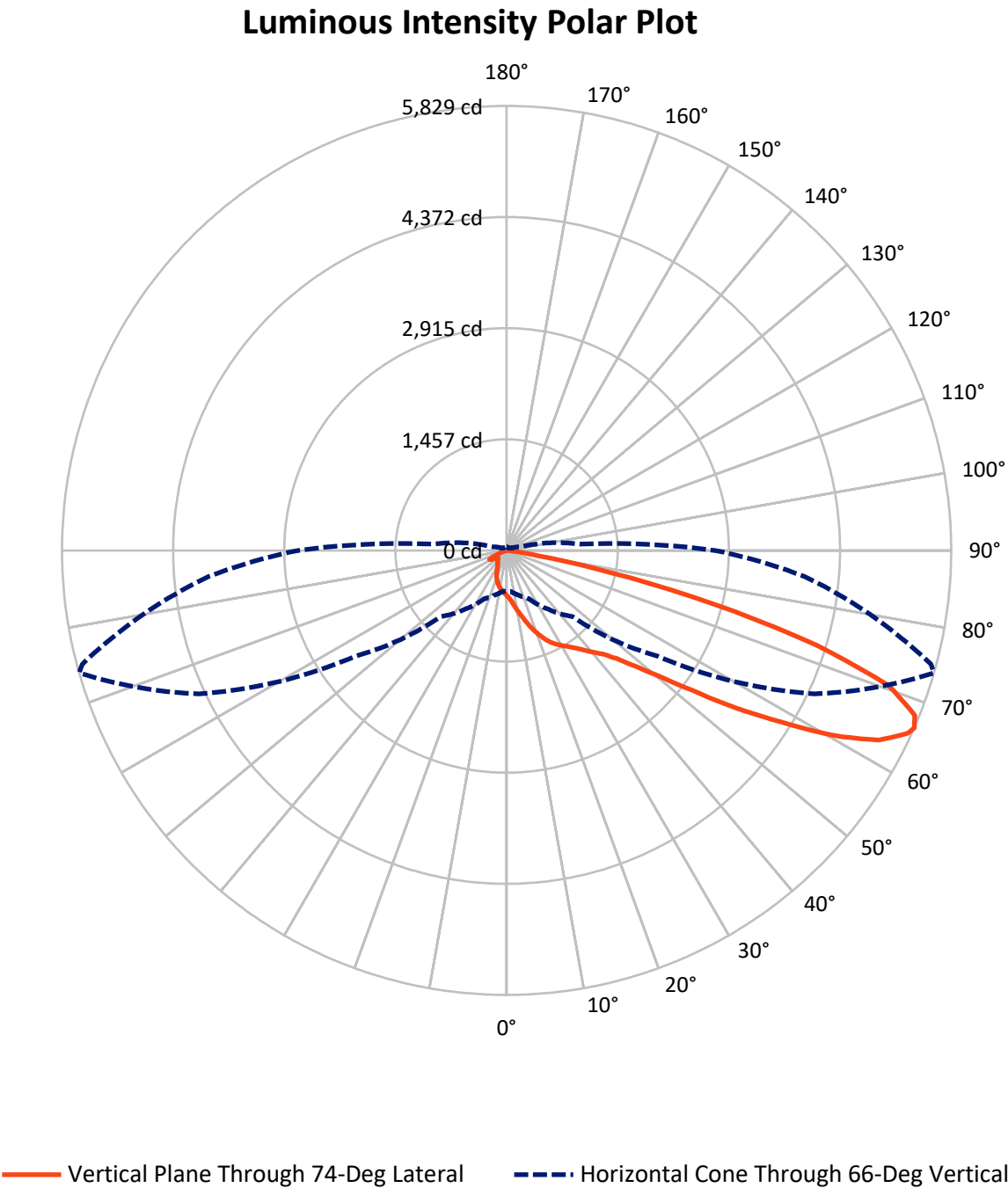
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	532.6	0.0	532.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4900.4	0.0	4900.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	5433.0	0.0	5433.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	1.1
10°-20°	185.6	3.4
20°-30°	354.2	6.5
30°-40°	620.8	11.4
40°-50°	1064.4	19.6
50°-60°	1384.4	25.5
60°-70°	1253.2	23.1
70°-80°	483.5	8.9
80°-90°	29.1	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°	5433.0	100.0
0°-180°	5433.0	100.0

Coefficient of Utilization



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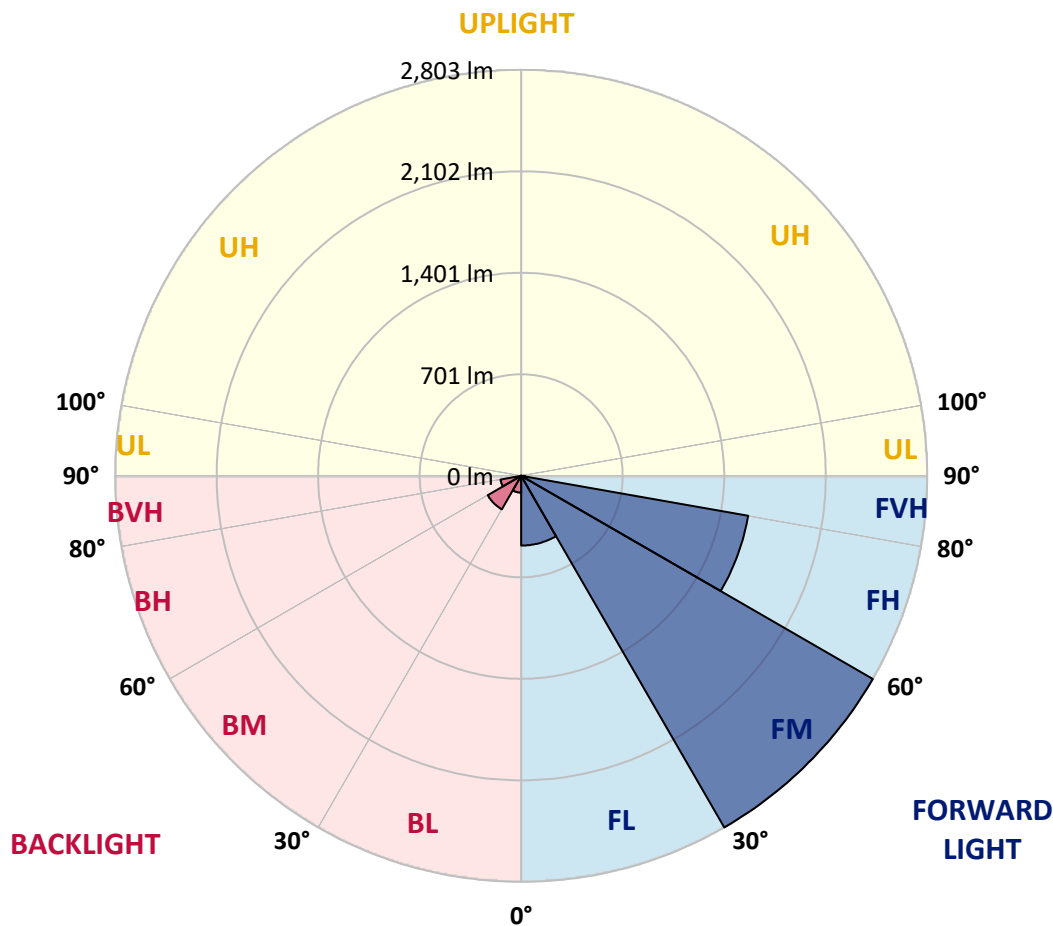
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	481.4	8.9			
FM	(30°-60°)	2802.6	51.6			
FH	(60°-80°)	1591.1	29.3			G1/1800
FVH	(80°-90°)	25.2	0.5			G1/100
BL	(0°-30°)	116.2	2.1	B1/500		
BM	(30°-60°)	266.9	4.9	B1/1000		
BH	(60°-80°)	145.6	2.7	B1/500		G1/500
BVH	(80°-90°)	3.9	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1
2.5°	712.1	706.2	695.5	694.5	685.7	675.0	656.5	637.0	623.3	621.3	604.8
5°	852.5	849.6	838.9	832.0	815.5	790.1	747.2	704.3	668.2	664.3	627.2
7.5°	889.6	891.5	893.5	900.3	894.5	882.8	850.6	790.1	733.5	724.7	660.4
10°	895.4	893.5	893.5	902.3	918.9	935.4	931.5	879.8	806.7	795.9	706.2
12.5°	958.8	961.8	954.9	951.0	948.1	956.9	986.2	963.7	883.7	875.0	761.8
15°	1040.8	1039.8	1030.0	1030.0	1021.3	1006.6	1025.2	1041.8	976.4	965.7	825.2
17.5°	1100.3	1104.2	1103.2	1109.1	1106.1	1086.6	1076.9	1111.0	1072.0	1058.3	897.4
20°	1148.1	1158.8	1162.7	1181.2	1190.0	1176.4	1151.0	1172.5	1163.7	1151.0	970.5
22.5°	1198.8	1207.6	1214.4	1246.6	1271.0	1268.1	1235.9	1231.0	1252.4	1240.7	1042.7
25°	1249.5	1253.4	1273.9	1312.9	1351.9	1361.7	1328.5	1290.5	1332.4	1321.7	1107.1
27.5°	1305.1	1307.1	1331.5	1379.3	1433.9	1454.4	1428.0	1357.8	1393.9	1393.9	1165.6
30°	1406.6	1426.1	1435.8	1478.7	1526.5	1554.8	1523.6	1429.0	1448.5	1457.3	1227.1
32.5°	1625.1	1628.0	1625.1	1643.6	1653.3	1669.9	1633.8	1509.0	1504.1	1513.9	1287.6
35°	1958.7	1946.9	1915.7	1888.4	1831.8	1800.6	1753.8	1611.4	1572.4	1586.0	1347.1
37.5°	2363.5	2346.9	2275.7	2191.8	2070.8	1946.0	1887.4	1736.3	1659.2	1676.8	1411.4
40°	2749.7	2739.0	2654.1	2550.7	2343.9	2130.3	2006.5	1841.6	1755.8	1762.6	1476.8
42.5°	3067.7	3065.8	2994.6	2886.3	2621.0	2329.3	2146.9	1945.0	1857.2	1867.9	1545.1
45°	3308.6	3290.1	3237.4	3159.4	2889.2	2536.1	2316.6	2102.0	2020.1	2032.8	1647.5
47.5°	3308.6	3311.6	3345.7	3337.9	3076.5	2730.2	2502.0	2300.1	2261.0	2272.7	1816.2
50°	3039.4	3066.7	3218.9	3346.7	3174.0	2881.4	2701.9	2547.8	2587.8	2605.4	2110.8
52.5°	2506.8	2552.7	2817.0	3108.7	3101.9	2957.5	2908.7	2862.9	3042.4	3073.6	2545.9
55°	1905.0	1935.2	2279.6	2662.9	2787.8	2895.1	3089.2	3262.8	3644.2	3637.4	2987.7
57.5°	1423.1	1451.4	1748.0	2173.2	2338.1	2624.9	3181.8	3720.3	4241.2	4267.5	3402.3
60°	1046.6	1068.1	1320.7	1669.9	1907.9	2211.3	3144.8	4170.9	4928.8	4898.6	3768.1
62.5°	774.5	786.2	968.6	1195.9	1511.9	1801.6	2911.6	4479.2	5478.0	5416.5	3971.9
65°	598.9	602.8	697.4	818.4	1099.3	1400.7	2564.4	4526.0	5781.3	5716.0	3968.0
66°	533.6	536.5	605.7	699.4	935.4	1226.1	2412.2	4450.9	5829.1	5759.9	3919.3
67.5°	447.7	445.8	486.7	548.2	702.3	946.2	2142.0	4231.4	5772.6	5737.5	3763.2
70°	331.6	332.6	353.1	367.7	410.7	523.8	1547.0	3670.5	5320.0	5318.0	3335.0
72.5°	245.8	248.7	264.3	267.3	256.5	283.8	891.5	2919.4	4255.8	4256.8	2493.2
75°	184.4	189.2	194.1	196.1	186.3	179.5	402.9	1964.5	2799.5	2779.0	1411.4
77.5°	140.5	142.4	146.3	143.4	141.4	123.9	167.8	957.9	1382.2	1259.3	457.5
80°	102.4	102.4	106.3	102.4	101.4	88.8	91.7	307.3	405.8	337.5	98.5
82.5°	64.4	63.4	66.3	65.4	63.4	56.6	53.6	85.8	93.6	83.9	47.8
85°	36.1	35.1	34.1	33.2	30.2	25.4	29.3	32.2	42.9	43.9	34.1
87.5°	12.7	12.7	11.7	10.7	8.8	8.8	10.7	10.7	15.6	15.6	17.6
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°	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1
2.5°	597.0	586.2	570.6	550.1	535.5	520.9	505.3	496.5	483.8	480.9	484.8
5°	607.7	588.2	549.2	506.2	469.2	436.0	404.8	386.3	367.7	360.9	363.8
7.5°	630.1	597.0	530.6	461.4	399.9	350.2	313.1	291.7	275.1	268.2	270.2
10°	663.3	612.6	513.1	410.7	331.6	279.0	247.8	234.1	224.3	220.4	221.4
12.5°	703.3	635.0	490.6	359.9	273.1	227.3	212.6	209.7	207.8	205.8	206.8
15°	748.2	654.5	464.3	310.2	227.3	201.9	197.0	196.1	195.1	195.1	195.1
17.5°	795.0	672.1	435.0	263.4	198.0	186.3	183.4	183.4	183.4	184.4	184.4
20°	838.9	685.7	400.9	221.4	181.4	171.7	169.7	169.7	170.7	171.7	171.7
22.5°	881.8	691.6	360.9	192.2	167.8	159.0	156.1	156.1	156.1	157.0	157.0
25°	918.9	691.6	320.9	173.6	156.1	147.3	143.4	142.4	143.4	143.4	143.4
27.5°	950.1	688.7	281.9	160.9	144.4	135.6	131.7	130.7	132.7	133.6	133.6
30°	983.2	684.7	250.7	149.2	134.6	125.8	121.9	121.9	124.9	128.8	128.8
32.5°	1015.4	687.7	226.3	139.5	124.9	118.0	114.1	115.1	121.0	126.8	126.8
35°	1049.6	693.5	211.7	132.7	118.0	111.2	108.3	111.2	117.1	122.9	122.9
37.5°	1083.7	700.4	202.9	126.8	112.2	105.3	103.4	107.3	114.1	120.0	121.0
40°	1119.8	706.2	193.1	121.0	108.3	100.5	99.5	103.4	112.2	118.0	119.0
42.5°	1164.7	717.9	181.4	116.1	104.4	94.6	95.6	98.5	107.3	116.1	117.1
45°	1252.4	755.0	169.7	111.2	99.5	91.7	89.7	91.7	101.4	111.2	113.1
47.5°	1417.3	838.9	157.0	106.3	94.6	89.7	81.9	83.9	92.7	103.4	104.4
50°	1733.3	1017.4	150.2	101.4	90.7	82.9	74.1	74.1	81.0	90.7	90.7
52.5°	2225.9	1337.3	154.1	97.5	85.8	76.1	67.3	66.3	70.2	77.1	77.1
55°	2757.5	1688.5	168.7	93.6	80.0	72.2	62.4	57.6	60.5	64.4	64.4
57.5°	3178.9	1865.0	208.7	91.7	73.2	69.3	56.6	49.7	52.7	56.6	56.6
60°	3364.2	1761.6	253.6	93.6	68.3	64.4	50.7	43.9	48.8	52.7	53.6
62.5°	3214.0	1450.5	272.1	88.8	61.5	57.6	49.7	41.0	46.8	49.7	50.7
65°	2889.2	1102.2	212.6	77.1	56.6	49.7	44.9	39.0	43.9	46.8	46.8
66°	2735.1	960.8	181.4	71.2	54.6	46.8	42.9	39.0	42.9	44.9	45.8
67.5°	2496.1	757.9	134.6	62.4	50.7	42.9	40.0	37.1	41.0	42.9	42.9
70°	1951.8	451.6	81.0	48.8	43.9	38.0	36.1	34.1	37.1	38.0	38.0
72.5°	1222.2	214.6	51.7	36.1	37.1	36.1	30.2	32.2	33.2	34.1	34.1
75°	592.1	84.9	35.1	26.3	30.2	34.1	24.4	28.3	29.3	31.2	30.2
77.5°	164.8	41.0	22.4	19.5	26.3	26.3	18.5	22.4	26.3	33.2	30.2
80°	47.8	26.3	14.6	14.6	18.5	18.5	12.7	15.6	17.6	19.5	20.5
82.5°	33.2	17.6	9.8	10.7	10.7	11.7	7.8	7.8	9.8	9.8	10.7
85°	26.3	7.8	5.9	6.8	4.9	5.9	3.9	3.9	4.9	3.9	3.9
87.5°	10.7	3.9	3.9	3.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0
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)