

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: P1210230

Luminaire Tested: **ARCH2-60-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210230
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: ARCH2-60-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 485mA 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: 5595 lumens
Efficiency: N/A
Efficacy: 87.7 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

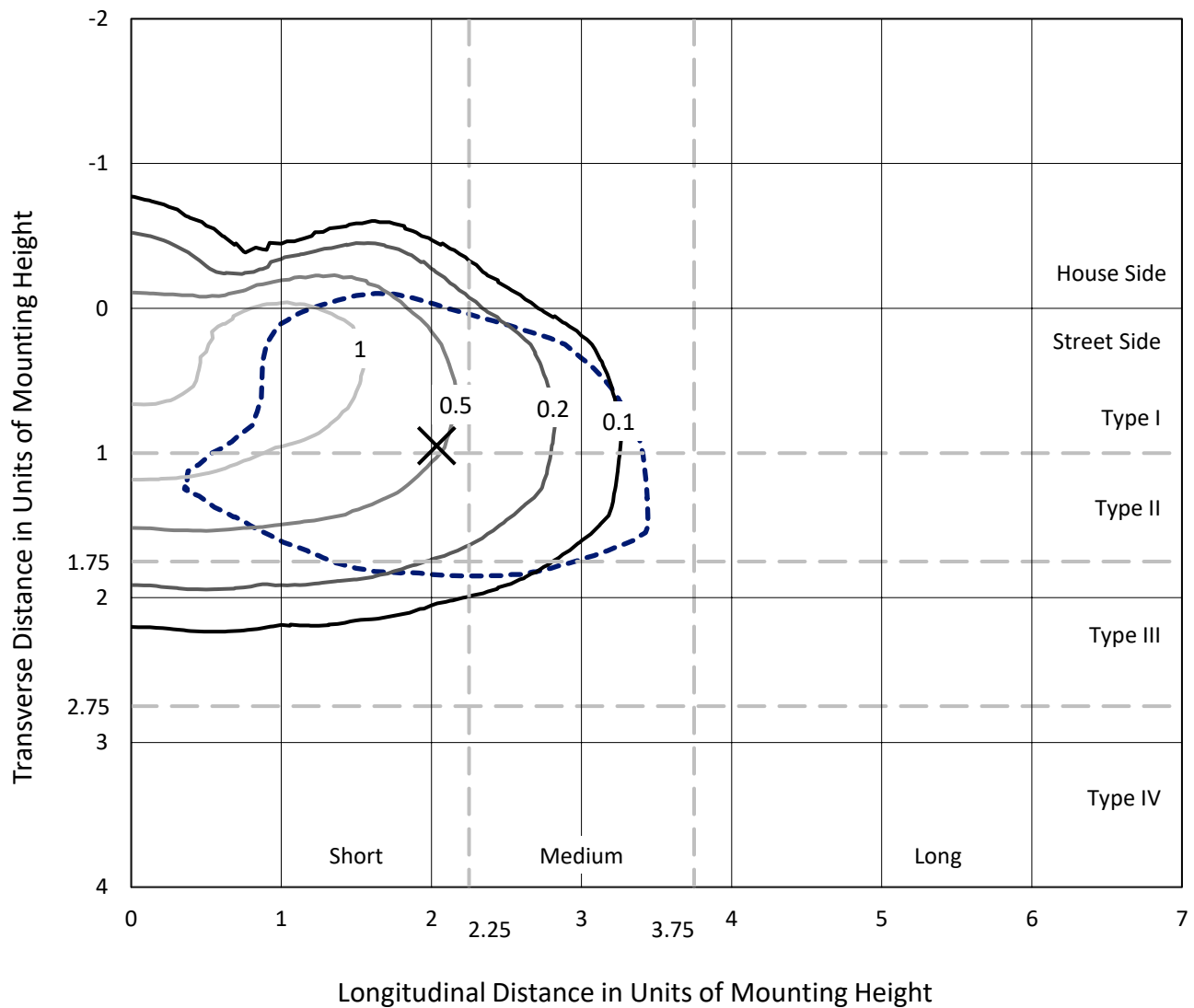
Input Watts (W): 63.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P1210230
CATALOG NUMBER: ARCH2-60-722-U-T3RE-HSS

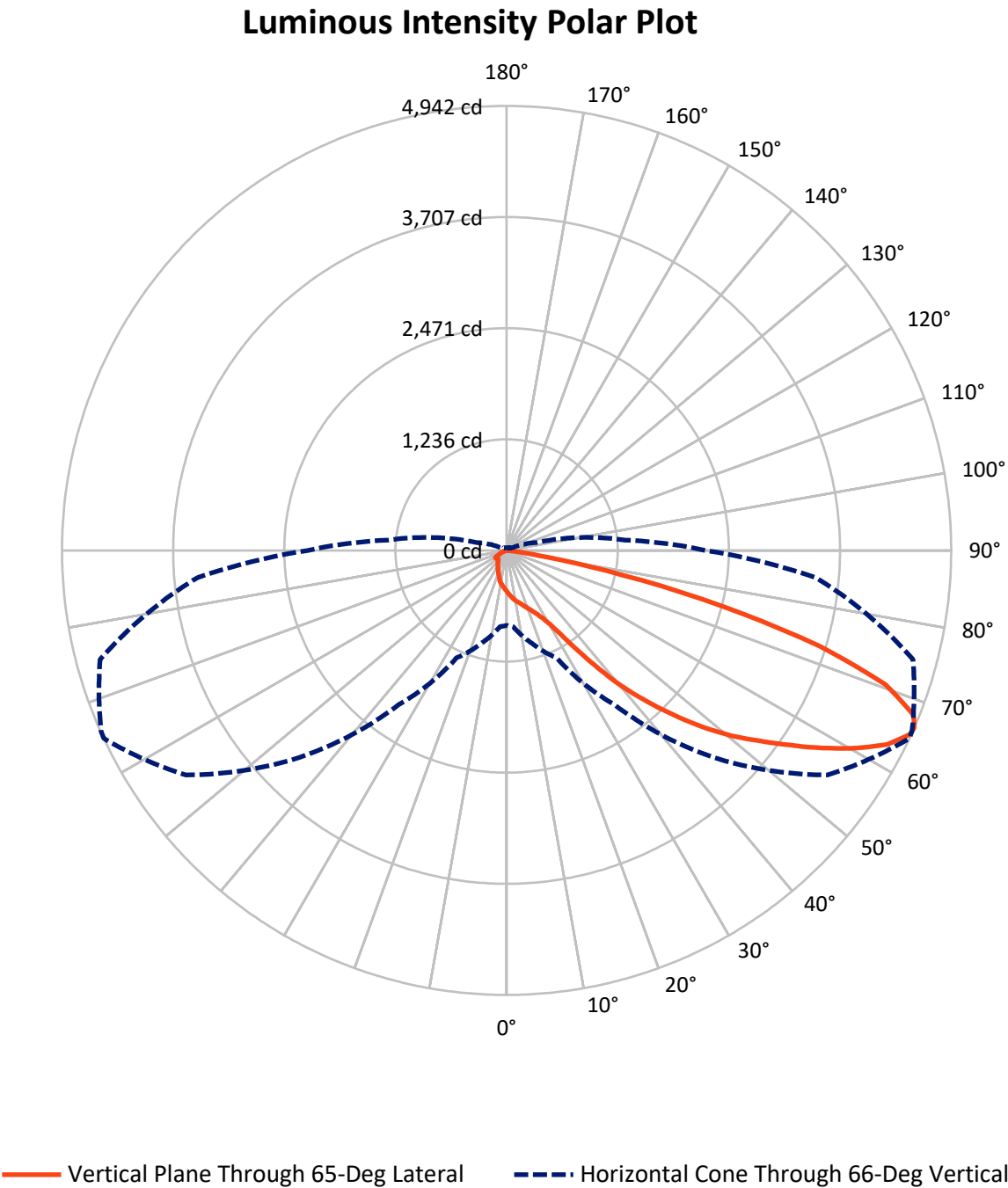
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type III - Short - N/A

REPORT NUMBER: P1210230
CATALOG NUMBER: ARCH2-60-722-U-T3RE-HSS



REPORT NUMBER: P1210230

CATALOG NUMBER: ARCH2-60-722-U-T3RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.3	0.0	660.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4934.7	0.0	4934.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	5595.0	0.0	5595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	0.8
10°-20°	127.9	2.3
20°-30°	234.1	4.2
30°-40°	475.8	8.5
40°-50°	1004.7	18.0
50°-60°	1544.6	27.6
60°-70°	1554.7	27.8
70°-80°	580.9	10.4
80°-90°	29.0	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°	5595.0	100.0
0°-180°	5595.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210230

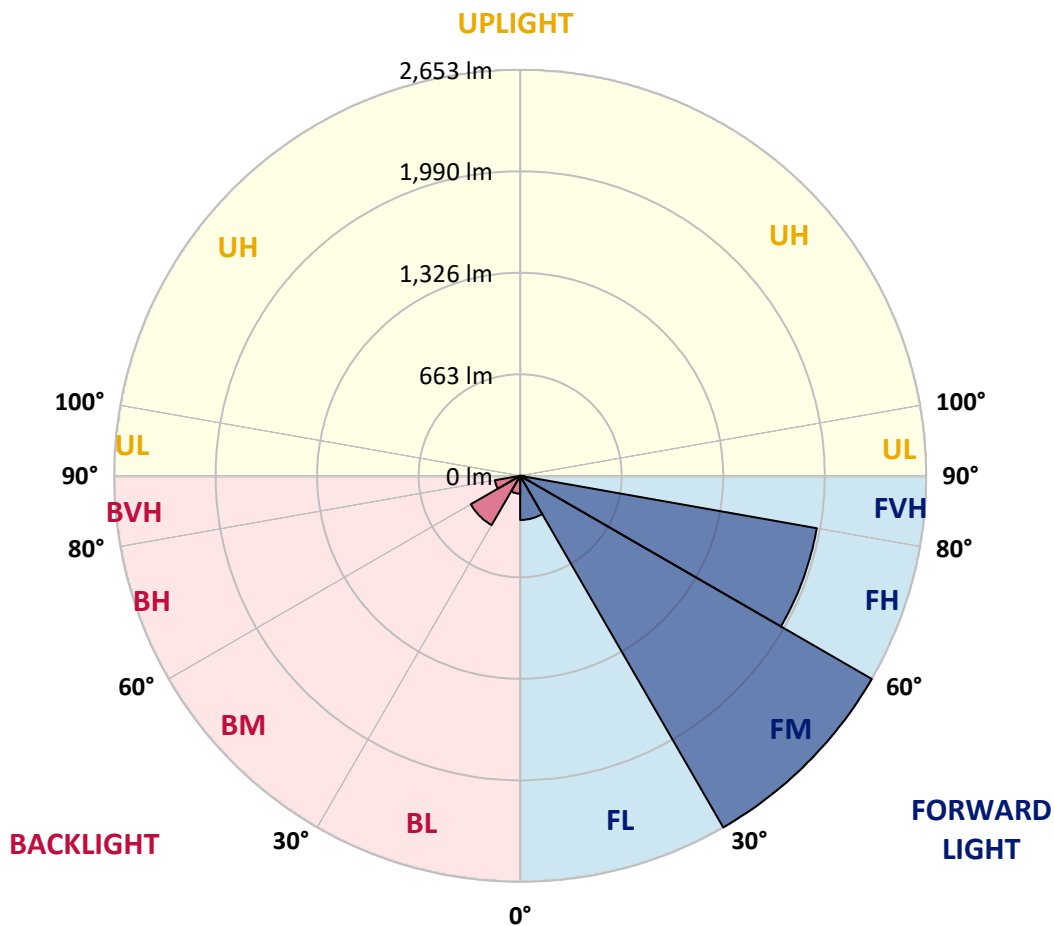
CATALOG NUMBER: ARCH2-60-722-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.4	5.2			
FM	(30°-60°)	2652.8	47.4			
FH	(60°-80°)	1967.9	35.2			G2/5000
FVH	(80°-90°)	25.6	0.5			G1/100
BL	(0°-30°)	116.9	2.1	B1/500		
BM	(30°-60°)	372.3	6.7	B1/1000		
BH	(60°-80°)	167.7	3.0	B1/500		G1/500
BVH	(80°-90°)	3.4	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: P1210230

CATALOG NUMBER: ARCH2-60-722-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8
2.5°	519.8	520.8	518.8	514.7	510.7	505.6	497.5	484.3	482.2	473.1	462.9
5°	555.3	557.4	554.3	553.3	551.3	544.2	533.0	513.7	511.7	493.4	470.0
7.5°	567.5	570.6	568.5	568.5	568.5	565.5	560.4	543.1	540.1	516.7	481.2
10°	576.6	578.7	577.7	581.7	584.8	582.7	579.7	569.5	566.5	543.1	496.4
12.5°	590.9	591.9	592.9	594.9	600.0	602.0	601.0	591.9	589.8	573.6	515.7
15°	604.1	604.1	605.1	614.2	621.3	625.4	626.4	619.3	617.3	604.1	540.1
17.5°	616.2	617.3	620.3	630.5	642.6	650.8	655.8	652.8	649.7	639.6	568.5
20°	634.5	636.5	639.6	653.8	666.0	679.2	689.3	688.3	687.3	680.2	602.0
22.5°	666.0	668.0	673.1	686.3	698.5	714.7	732.0	731.0	727.9	722.8	641.6
25°	713.7	713.7	716.7	727.9	743.1	762.4	778.7	781.7	778.7	775.6	691.4
27.5°	773.6	774.6	774.6	786.8	801.0	825.4	845.7	848.7	848.7	845.7	758.4
30°	856.8	853.8	851.8	861.9	877.2	912.7	948.2	954.3	951.3	956.3	852.8
32.5°	1000.0	994.9	977.7	979.7	988.8	1037.6	1097.5	1118.8	1117.8	1126.9	1005.1
35°	1198.0	1187.8	1162.4	1141.1	1140.1	1192.9	1284.3	1364.5	1363.4	1394.9	1236.5
37.5°	1421.3	1434.5	1386.8	1350.2	1339.1	1380.7	1498.5	1672.1	1681.2	1736.0	1540.1
40°	1719.8	1727.9	1667.0	1615.2	1562.4	1577.7	1733.0	2003.0	2019.3	2080.2	1843.6
42.5°	1979.7	1987.8	1952.3	1889.3	1822.3	1793.9	1969.5	2303.5	2316.7	2401.0	2156.3
45°	2156.3	2162.4	2174.6	2180.7	2104.6	2045.7	2258.9	2612.2	2628.4	2725.9	2461.9
47.5°	2294.4	2299.5	2323.8	2384.8	2369.5	2322.8	2553.3	2933.0	2937.0	3045.7	2759.4
50°	2358.4	2370.5	2430.4	2523.8	2590.8	2604.0	2873.1	3236.5	3247.7	3351.3	3040.6
52.5°	2287.3	2291.4	2442.6	2618.3	2753.3	2887.3	3193.9	3517.7	3550.2	3627.4	3293.4
55°	2047.7	2077.1	2306.6	2615.2	2881.2	3156.3	3537.0	3821.3	3850.7	3899.5	3515.7
57.5°	1769.5	1802.0	2081.2	2484.3	2936.0	3405.1	3854.8	4144.1	4164.4	4177.6	3719.8
60°	1528.9	1559.4	1846.7	2233.5	2881.2	3580.7	4150.2	4465.0	4482.2	4446.7	3822.3
62.5°	1233.5	1264.0	1553.3	1901.5	2666.0	3616.2	4369.5	4750.2	4757.3	4660.9	3759.4
65°	929.9	950.2	1191.9	1490.3	2289.3	3427.4	4419.3	4927.9	4920.8	4722.8	3570.5
66°	833.5	850.8	1064.0	1317.8	2093.4	3254.8	4352.3	4942.1	4935.0	4677.1	3446.7
67.5°	718.8	723.9	899.5	1078.2	1751.3	2888.3	4148.2	4877.1	4883.2	4551.2	3220.3
70°	561.4	560.4	661.9	750.2	1195.9	2054.8	3459.9	4468.0	4497.4	4076.1	2746.2
72.5°	359.4	347.2	406.1	458.9	696.4	1192.9	2522.8	3641.6	3691.4	3202.0	2045.7
75°	214.2	202.0	216.2	229.4	334.0	573.6	1483.2	2478.2	2525.9	2052.8	1217.3
77.5°	160.4	155.3	156.3	145.2	148.2	215.2	677.2	1309.6	1344.2	840.6	461.9
80°	122.8	109.6	102.5	107.6	97.5	85.3	251.8	450.8	472.1	199.0	96.4
82.5°	82.2	71.1	66.0	72.1	61.9	47.7	60.9	87.3	85.3	53.8	37.6
85°	42.6	36.5	36.5	36.5	31.5	23.4	26.4	35.5	35.5	28.4	22.3
87.5°	12.2	11.2	13.2	12.2	9.1	9.1	10.2	12.2	12.2	11.2	10.2
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: P1210230

CATALOG NUMBER: ARCH2-60-722-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8
2.5°	454.8	450.8	439.6	431.5	423.3	416.2	408.1	406.1	402.0	403.0	401.0
5°	457.9	446.7	427.4	409.1	394.9	382.7	367.5	361.4	353.3	350.3	348.2
7.5°	461.9	445.7	417.3	391.9	367.5	343.1	318.8	304.6	295.4	291.4	288.3
10°	471.1	449.7	412.2	372.6	331.0	296.4	272.1	261.9	255.8	254.8	253.8
12.5°	483.2	455.8	407.1	348.2	293.4	260.9	245.7	242.6	241.6	241.6	240.6
15°	501.5	466.0	399.0	319.8	264.0	241.6	234.5	229.4	227.4	227.4	227.4
17.5°	519.8	478.2	386.8	290.4	243.7	229.4	222.3	219.3	217.3	218.3	217.3
20°	543.1	492.4	370.6	265.0	230.5	219.3	212.2	209.1	208.1	208.1	208.1
22.5°	569.5	508.6	350.3	245.7	219.3	209.1	202.0	199.0	197.0	198.0	198.0
25°	605.1	528.9	328.9	226.4	208.1	199.0	190.9	186.8	186.8	187.8	188.8
27.5°	650.8	553.3	307.6	214.2	198.0	188.8	179.7	175.6	176.6	178.7	178.7
30°	717.8	586.8	286.3	201.0	186.8	176.6	168.5	164.5	166.5	170.6	170.6
32.5°	813.2	641.6	268.0	185.8	170.6	159.4	151.3	148.2	153.3	161.4	161.4
35°	983.8	742.1	256.9	170.6	153.3	140.1	129.9	126.9	134.0	144.2	144.2
37.5°	1212.2	903.5	260.9	157.4	139.1	123.9	112.7	108.6	113.7	122.8	125.9
40°	1467.0	1098.5	296.4	146.2	125.9	110.7	99.5	95.4	98.5	102.5	103.6
42.5°	1721.8	1305.6	363.4	138.1	115.7	99.5	89.3	86.3	88.3	89.3	90.4
45°	1975.6	1510.7	447.7	133.0	106.6	90.4	80.2	80.2	81.2	81.2	81.2
47.5°	2216.2	1710.7	536.0	132.0	98.5	81.2	73.1	74.1	74.1	75.1	75.1
50°	2443.6	1889.3	625.4	135.0	91.4	73.1	67.0	67.0	67.0	68.0	67.0
52.5°	2633.5	2045.7	718.8	140.1	84.3	67.0	60.9	60.9	60.9	61.9	60.9
55°	2813.2	2187.8	814.2	147.2	78.2	61.9	55.8	53.8	53.8	54.8	53.8
57.5°	2959.4	2282.2	904.6	148.2	73.1	56.9	51.8	48.7	48.7	48.7	48.7
60°	2965.5	2227.4	931.0	129.9	67.0	51.8	46.7	42.6	43.7	43.7	43.7
62.5°	2771.6	1939.1	748.2	97.5	59.9	46.7	42.6	38.6	38.6	38.6	38.6
65°	2390.8	1508.6	438.6	77.2	51.8	41.6	37.6	34.5	34.5	34.5	33.5
66°	2212.2	1322.8	336.0	70.1	48.7	40.6	36.5	33.5	32.5	31.5	31.5
67.5°	1920.8	1045.7	210.2	61.9	44.7	37.6	33.5	30.5	29.4	28.4	28.4
70°	1446.7	664.0	102.5	47.7	38.6	32.5	29.4	26.4	25.4	24.4	23.4
72.5°	1015.2	388.8	53.8	36.5	31.5	28.4	25.4	22.3	21.3	20.3	20.3
75°	573.6	187.8	35.5	26.4	25.4	23.4	21.3	18.3	17.3	17.3	17.3
77.5°	217.3	65.0	24.4	19.3	20.3	18.3	15.2	15.2	14.2	15.2	14.2
80°	56.9	28.4	15.2	14.2	15.2	13.2	11.2	12.2	12.2	12.2	12.2
82.5°	30.5	16.2	9.1	10.2	9.1	9.1	7.1	8.1	9.1	8.1	9.1
85°	21.3	8.1	5.1	5.1	4.1	4.1	3.0	4.1	5.1	4.1	4.1
87.5°	11.2	3.0	3.0	3.0	3.0	2.0	1.0	0.0	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)