

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: P1210772

Luminaire Tested: **ARCH3-70-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210772
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: ARCH3-70-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 580mA 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: 7219 lumens
Efficiency: N/A
Efficacy: 98.8 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): 73.1
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

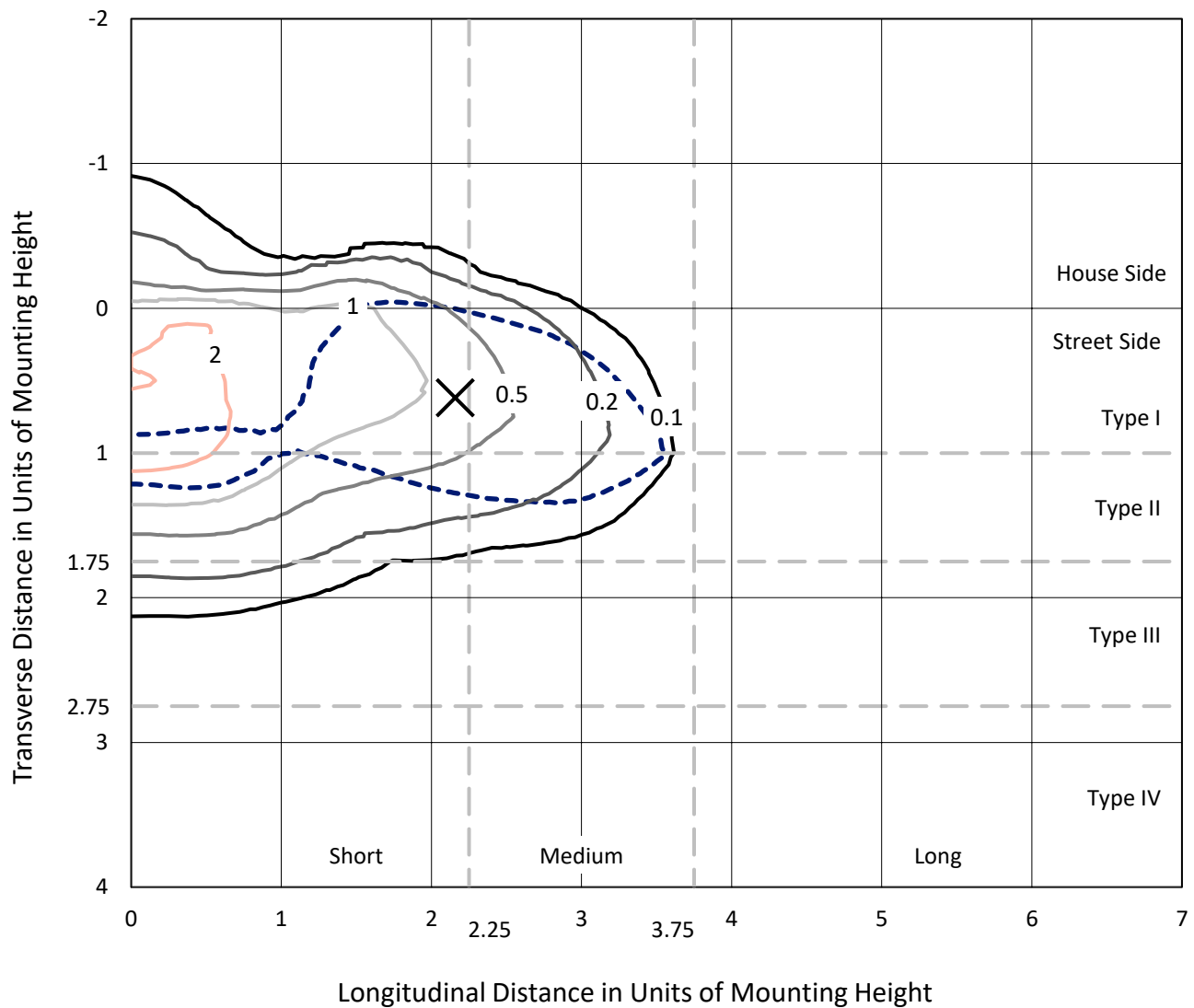


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Iso-Footcandle Lines of Horizontal Illumination

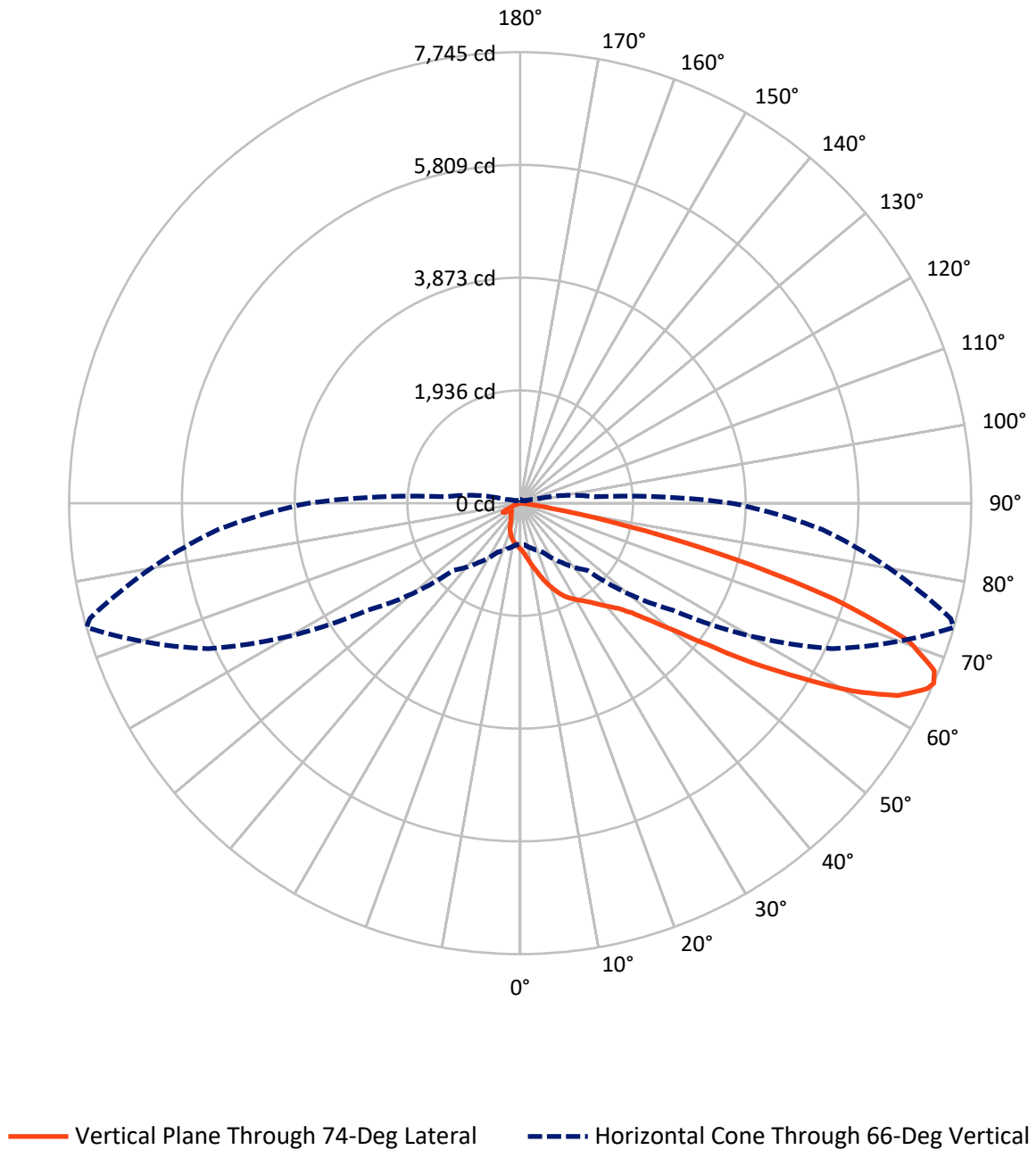
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	707.7	0.0	707.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6511.3	0.0	6511.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	7219.0	0.0	7219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	1.1
10°-20°	246.6	3.4
20°-30°	470.6	6.5
30°-40°	824.8	11.4
40°-50°	1414.3	19.6
50°-60°	1839.4	25.5
60°-70°	1665.2	23.1
70°-80°	642.5	8.9
80°-90°	38.7	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°	7219.0	100.0
0°-180°	7219.0	100.0

Coefficient of Utilization



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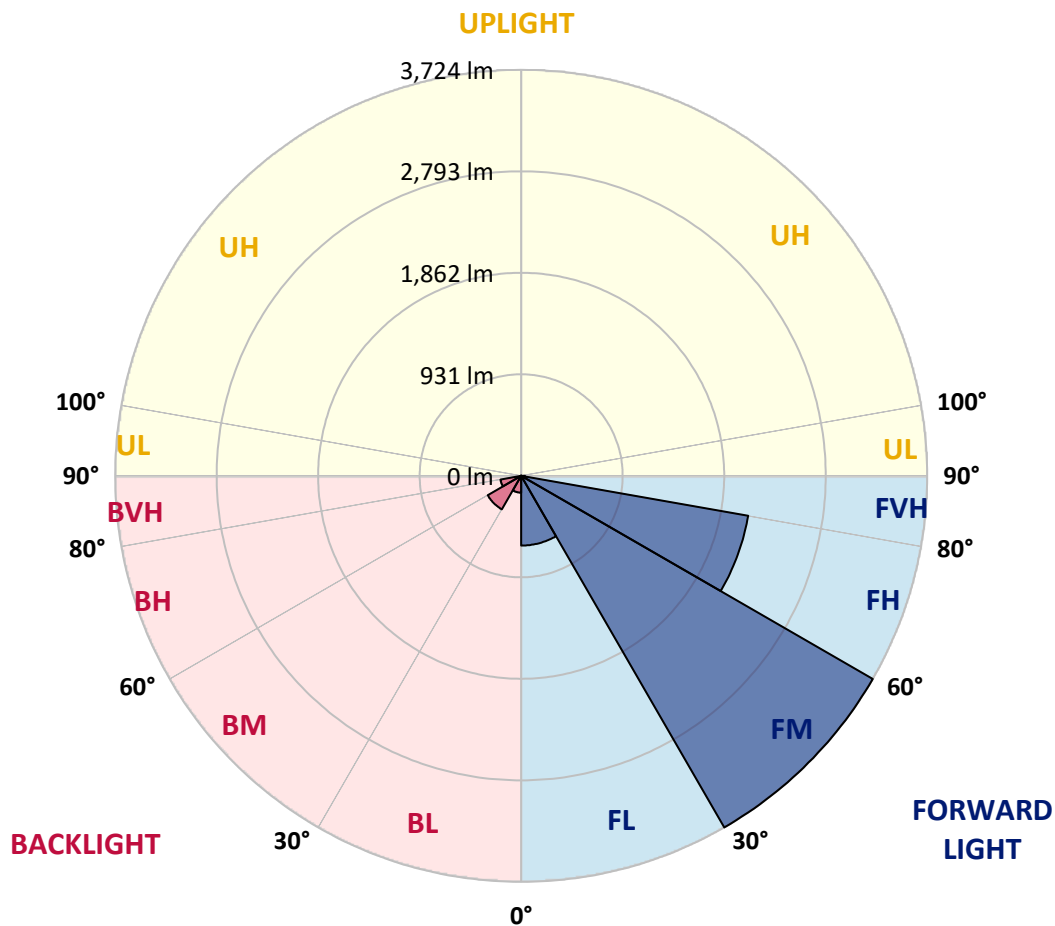
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	639.7	8.9			
FM	(30°-60°)	3723.9	51.6			
FH	(60°-80°)	2114.2	29.3			G2/5000
FVH	(80°-90°)	33.5	0.5			G1/100
BL	(0°-30°)	154.4	2.1	B1/500		
BM	(30°-60°)	354.7	4.9	B1/1000		
BH	(60°-80°)	193.5	2.7	B1/500		G1/500
BVH	(80°-90°)	5.2	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	788.0	788.0	788.0	788.0	788.0	788.0	788.0	788.0	788.0	788.0	788.0
2.5°	946.1	938.4	924.1	922.8	911.1	896.9	872.3	846.3	828.2	825.6	803.6
5°	1132.8	1128.9	1114.6	1105.6	1083.5	1049.8	992.8	935.8	887.8	882.6	833.4
7.5°	1182.0	1184.6	1187.2	1196.3	1188.5	1173.0	1130.2	1049.8	974.7	963.0	877.4
10°	1189.8	1187.2	1187.2	1198.9	1220.9	1242.9	1237.8	1169.1	1071.9	1057.6	938.4
12.5°	1274.0	1277.9	1268.9	1263.7	1259.8	1271.5	1310.3	1280.5	1174.2	1162.6	1012.2
15°	1382.9	1381.6	1368.7	1368.7	1357.0	1337.6	1362.2	1384.2	1297.4	1283.1	1096.5
17.5°	1462.0	1467.2	1465.9	1473.6	1469.8	1443.8	1430.9	1476.2	1424.4	1406.2	1192.4
20°	1525.5	1539.7	1544.9	1569.6	1581.2	1563.1	1529.4	1557.9	1546.2	1529.4	1289.6
22.5°	1592.9	1604.5	1613.6	1656.4	1688.8	1684.9	1642.1	1635.7	1664.2	1648.6	1385.5
25°	1660.3	1665.5	1692.7	1744.5	1796.4	1809.3	1765.3	1714.7	1770.4	1756.2	1471.1
27.5°	1734.2	1736.7	1769.1	1832.7	1905.2	1932.5	1897.5	1804.1	1852.1	1852.1	1548.8
30°	1868.9	1894.9	1907.8	1964.9	2028.4	2066.0	2024.5	1898.8	1924.7	1936.3	1630.5
32.5°	2159.3	2163.2	2159.3	2183.9	2196.9	2218.9	2170.9	2005.0	1998.6	2011.5	1710.8
35°	2602.5	2587.0	2545.5	2509.2	2434.0	2392.6	2330.4	2141.1	2089.3	2107.4	1789.9
37.5°	3140.4	3118.4	3023.8	2912.3	2751.6	2585.7	2507.9	2307.0	2204.6	2228.0	1875.4
40°	3653.6	3639.4	3526.6	3389.2	3114.5	2830.6	2666.0	2447.0	2332.9	2342.0	1962.3
42.5°	4076.2	4073.6	3979.0	3835.1	3482.6	3095.0	2852.7	2584.4	2467.7	2482.0	2053.0
45°	4396.3	4371.7	4301.7	4198.0	3839.0	3369.8	3078.2	2793.1	2684.2	2701.0	2189.1
47.5°	4396.3	4400.2	4445.6	4435.2	4087.8	3627.7	3324.4	3056.2	3004.3	3019.9	2413.3
50°	4038.6	4074.9	4277.1	4446.8	4217.4	3828.6	3590.1	3385.4	3438.5	3461.8	2804.7
52.5°	3330.9	3391.8	3743.1	4130.6	4121.5	3929.7	3864.9	3804.0	4042.5	4083.9	3382.8
55°	2531.2	2571.4	3028.9	3538.3	3704.2	3846.8	4104.7	4335.4	4842.2	4833.1	3969.9
57.5°	1891.0	1928.6	2322.6	2887.7	3106.7	3487.7	4227.8	4943.2	5635.4	5670.3	4520.7
60°	1390.7	1419.2	1754.9	2218.9	2535.1	2938.2	4178.6	5542.0	6549.1	6508.9	5006.8
62.5°	1029.1	1044.6	1287.0	1589.0	2008.9	2393.9	3868.8	5951.6	7278.8	7197.1	5277.6
65°	795.8	801.0	926.7	1087.4	1460.7	1861.2	3407.4	6013.8	7681.9	7595.0	5272.5
66°	709.0	712.8	804.9	929.3	1242.9	1629.2	3205.2	5914.0	7745.4	7653.3	5207.6
67.5°	594.9	592.3	646.7	728.4	933.2	1257.2	2846.2	5622.4	7670.2	7623.5	5000.3
70°	440.7	442.0	469.2	488.6	545.6	696.0	2055.6	4877.1	7068.8	7066.2	4431.3
72.5°	326.6	330.5	351.2	355.1	340.9	377.2	1184.6	3879.2	5654.8	5656.1	3312.8
75°	245.0	251.4	257.9	260.5	247.6	238.5	535.3	2610.3	3719.7	3692.5	1875.4
77.5°	186.6	189.2	194.4	190.5	187.9	164.6	222.9	1272.7	1836.5	1673.2	607.9
80°	136.1	136.1	141.3	136.1	134.8	117.9	121.8	408.3	539.2	448.4	130.9
82.5°	85.5	84.2	88.1	86.8	84.2	75.2	71.3	114.1	124.4	111.5	63.5
85°	48.0	46.7	45.4	44.1	40.2	33.7	38.9	42.8	57.0	58.3	45.4
87.5°	16.8	16.8	15.6	14.3	11.7	11.7	14.3	14.3	20.7	20.7	23.3
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°	788.0	788.0	788.0	788.0	788.0	788.0	788.0	788.0	788.0	788.0	788.0
2.5°	793.2	778.9	758.2	731.0	711.5	692.1	671.4	659.7	642.9	639.0	644.2
5°	807.5	781.5	729.7	672.7	623.4	579.3	537.9	513.2	488.6	479.5	483.4
7.5°	837.3	793.2	705.1	613.0	531.4	465.3	416.0	387.5	365.5	356.4	359.0
10°	881.3	813.9	681.7	545.6	440.7	370.7	329.2	311.1	298.1	292.9	294.2
12.5°	934.5	843.7	651.9	478.3	362.9	302.0	282.5	278.7	276.1	273.5	274.8
15°	994.1	869.7	616.9	412.2	302.0	268.3	261.8	260.5	259.2	259.2	259.2
17.5°	1056.3	893.0	578.1	349.9	263.1	247.6	243.7	243.7	243.7	245.0	245.0
20°	1114.6	911.1	532.7	294.2	241.1	228.1	225.5	225.5	226.8	228.1	228.1
22.5°	1171.7	918.9	479.5	255.3	222.9	211.3	207.4	207.4	207.4	208.7	208.7
25°	1220.9	918.9	426.4	230.7	207.4	195.7	190.5	189.2	190.5	190.5	190.5
27.5°	1262.4	915.0	374.6	213.9	191.8	180.2	175.0	173.7	176.3	177.6	177.6
30°	1306.4	909.8	333.1	198.3	178.9	167.2	162.0	162.0	165.9	171.1	171.1
32.5°	1349.2	913.7	300.7	185.3	165.9	156.8	151.6	152.9	160.7	168.5	168.5
35°	1394.6	921.5	281.2	176.3	156.8	147.8	143.9	147.8	155.5	163.3	163.3
37.5°	1439.9	930.6	269.6	168.5	149.0	140.0	137.4	142.6	151.6	159.4	160.7
40°	1487.9	938.4	256.6	160.7	143.9	133.5	132.2	137.4	149.0	156.8	158.1
42.5°	1547.5	953.9	241.1	154.2	138.7	125.7	127.0	130.9	142.6	154.2	155.5
45°	1664.2	1003.2	225.5	147.8	132.2	121.8	119.2	121.8	134.8	147.8	150.3
47.5°	1883.2	1114.6	208.7	141.3	125.7	119.2	108.9	111.5	123.1	137.4	138.7
50°	2303.1	1351.8	199.6	134.8	120.5	110.2	98.5	98.5	107.6	120.5	120.5
52.5°	2957.7	1776.9	204.8	129.6	114.1	101.1	89.4	88.1	93.3	102.4	102.4
55°	3664.0	2243.5	224.2	124.4	106.3	95.9	82.9	76.5	80.4	85.5	85.5
57.5°	4223.9	2478.1	277.4	121.8	97.2	92.0	75.2	66.1	70.0	75.2	75.2
60°	4470.2	2340.7	337.0	124.4	90.7	85.5	67.4	58.3	64.8	70.0	71.3
62.5°	4270.6	1927.3	361.6	117.9	81.7	76.5	66.1	54.4	62.2	66.1	67.4
65°	3839.0	1464.6	282.5	102.4	75.2	66.1	59.6	51.8	58.3	62.2	62.2
66°	3634.2	1276.6	241.1	94.6	72.6	62.2	57.0	51.8	57.0	59.6	60.9
67.5°	3316.7	1007.1	178.9	82.9	67.4	57.0	53.1	49.3	54.4	57.0	57.0
70°	2593.5	600.1	107.6	64.8	58.3	50.5	48.0	45.4	49.3	50.5	50.5
72.5°	1624.0	285.1	68.7	48.0	49.3	48.0	40.2	42.8	44.1	45.4	45.4
75°	786.7	112.8	46.7	35.0	40.2	45.4	32.4	37.6	38.9	41.5	40.2
77.5°	219.0	54.4	29.8	25.9	35.0	35.0	24.6	29.8	35.0	44.1	40.2
80°	63.5	35.0	19.4	19.4	24.6	24.6	16.8	20.7	23.3	25.9	27.2
82.5°	44.1	23.3	13.0	14.3	14.3	15.6	10.4	10.4	13.0	13.0	14.3
85°	35.0	10.4	7.8	9.1	6.5	7.8	5.2	5.2	6.5	5.2	5.2
87.5°	14.3	5.2	5.2	5.2	3.9	3.9	2.6	1.3	1.3	1.3	1.3
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)