

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: P1210263

Luminaire Tested: **ARCH2-70-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-70-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 555mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8819 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 73.6
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



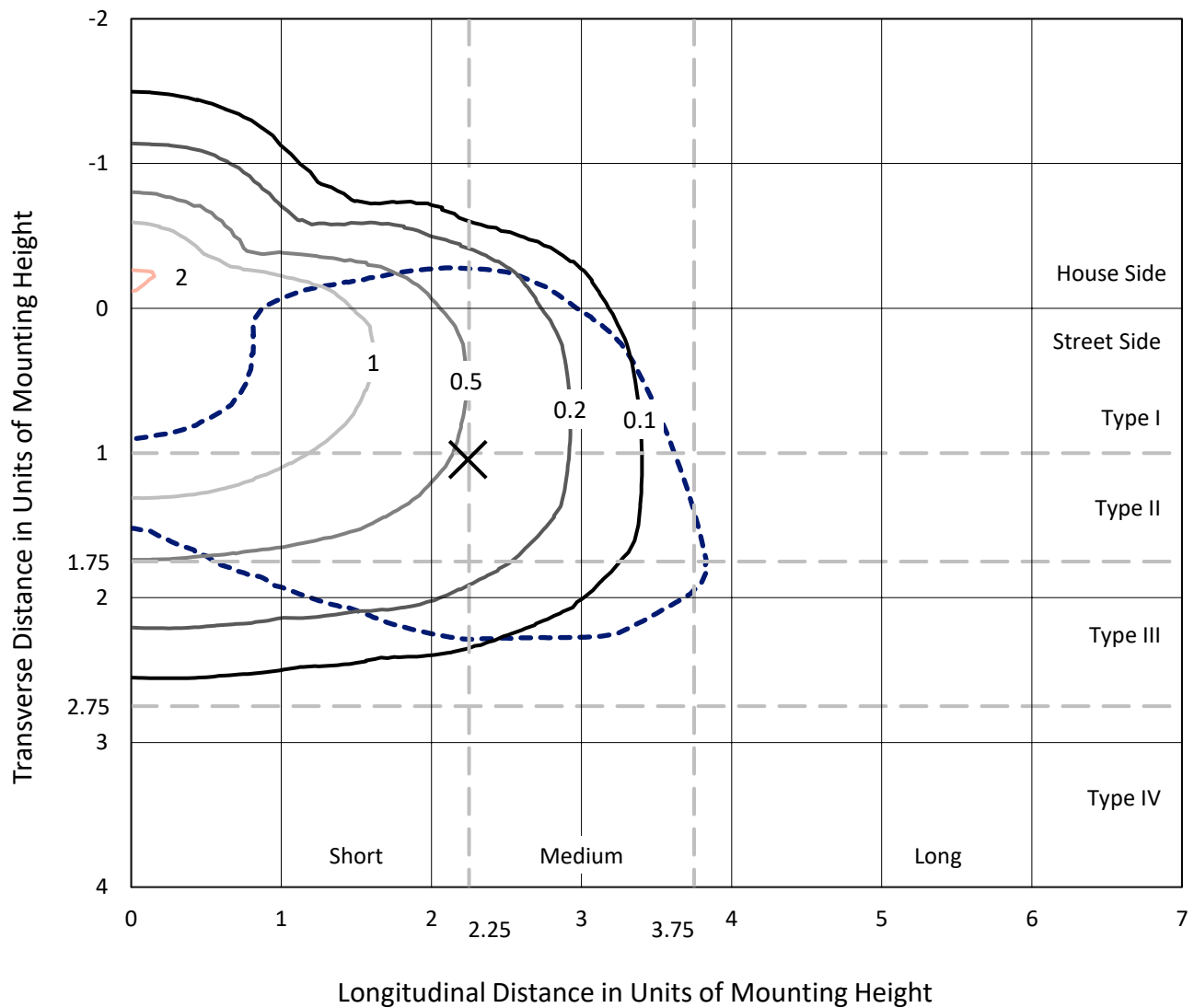
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

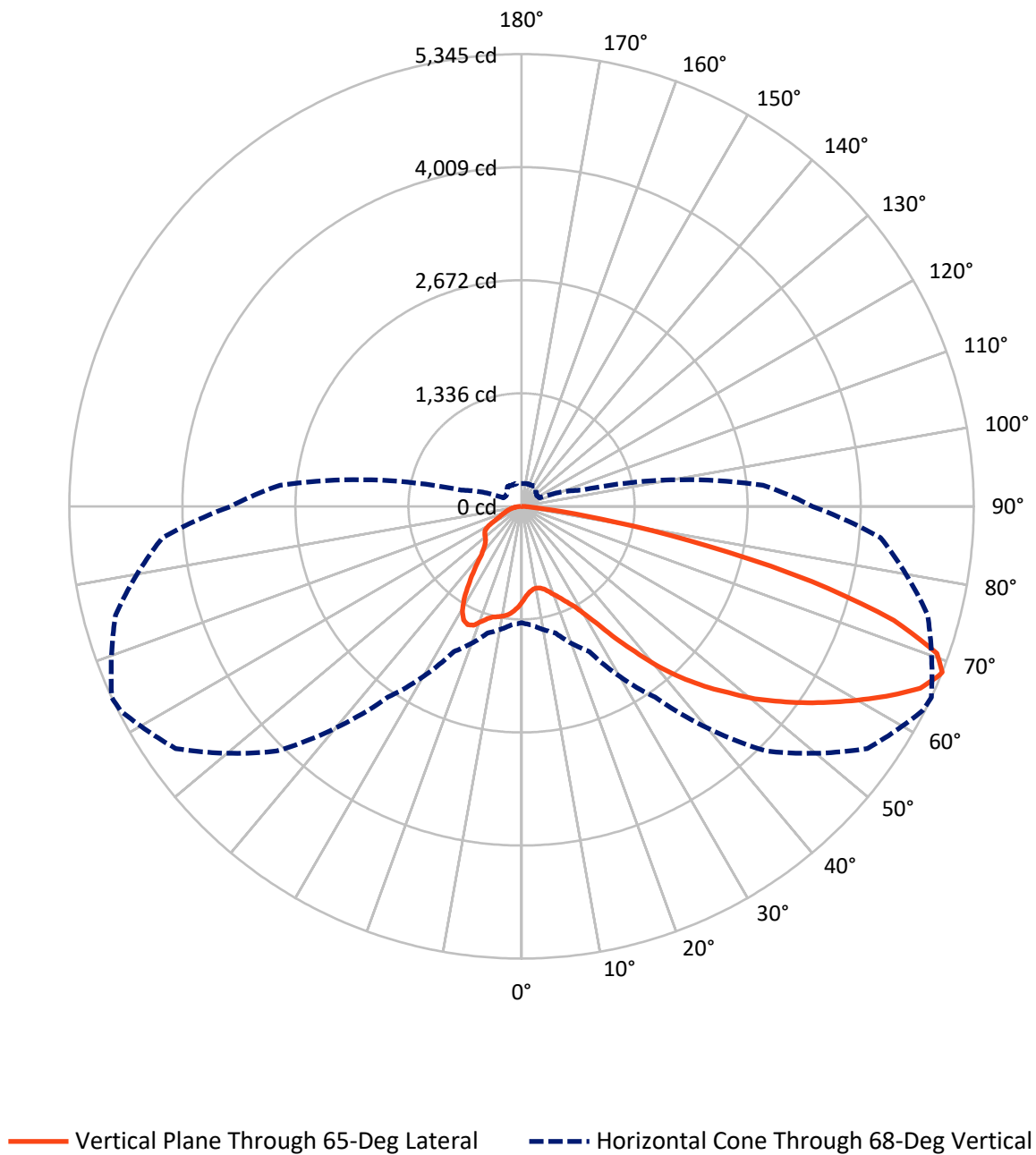


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2162.2	0.0	2162.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	6656.8	0.0	6656.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	8819.0	0.0	8819.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	1.2
10°-20°	350.7	4.0
20°-30°	634.7	7.2
30°-40°	998.5	11.3
40°-50°	1487.1	16.9
50°-60°	1950.8	22.1
60°-70°	2133.3	24.2
70°-80°	1055.6	12.0
80°-90°	100.7	1.1
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°	8819.0	100.0
0°-180°	8819.0	100.0

Coefficient of Utilization



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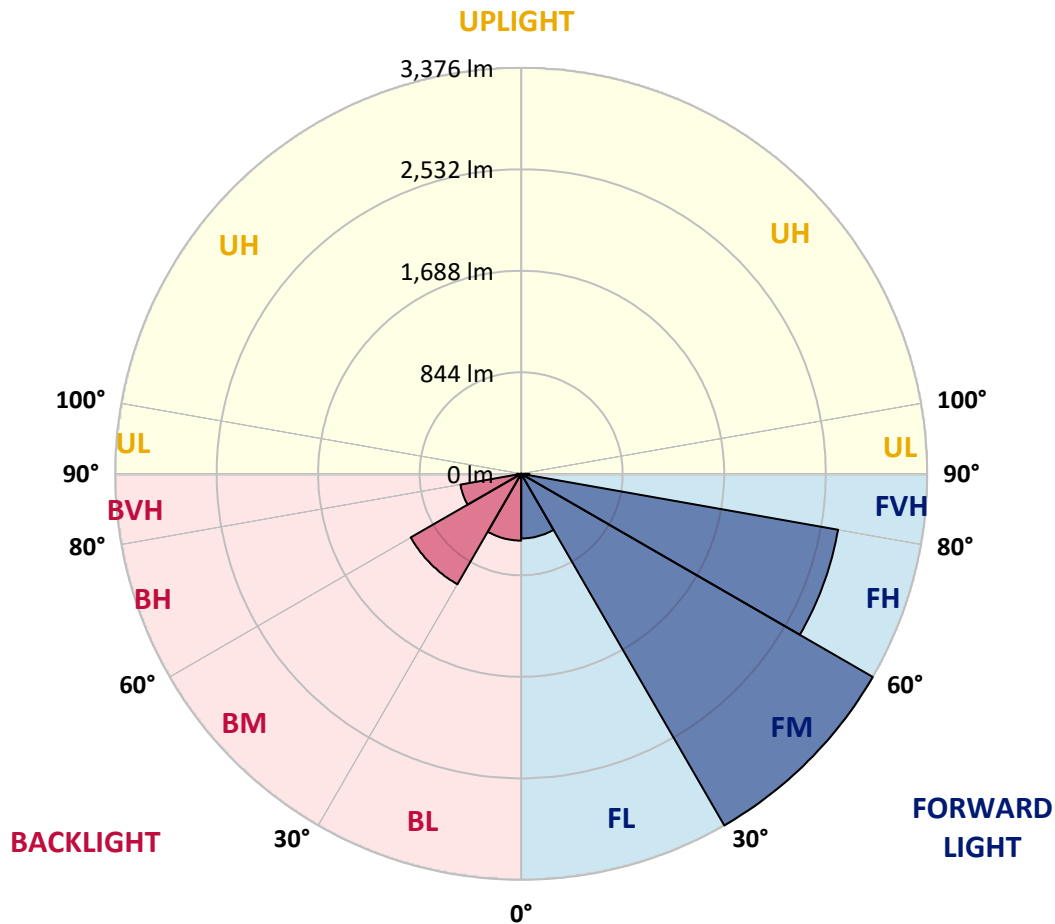
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	537.6	6.1			
FM	(30°-60°)	3375.8	38.3			
FH	(60°-80°)	2675.7	30.3			G2/5000
FVH	(80°-90°)	67.7	0.8			G1/100
BL	(0°-30°)	555.5	6.3	B2/1000		
BM	(30°-60°)	1060.5	12.0	B2/2500		
BH	(60°-80°)	513.2	5.8	B2/1000		G2/1000
BVH	(80°-90°)	33.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0
2.5°	983.7	981.4	987.1	992.8	1005.3	1020.1	1040.5	1057.6	1059.9	1091.7	1116.7
5°	925.7	922.3	928.0	934.8	940.5	958.7	980.3	1005.3	1015.5	1062.1	1115.6
7.5°	931.4	930.2	932.5	930.2	930.2	938.2	953.0	978.0	989.4	1045.1	1121.3
10°	964.3	966.6	967.8	960.9	954.1	950.7	955.2	972.3	980.3	1046.2	1146.3
12.5°	1018.9	1022.3	1023.5	1011.0	1001.9	987.1	979.1	985.9	991.6	1057.6	1181.5
15°	1092.8	1095.1	1087.2	1079.2	1056.5	1038.3	1018.9	1013.2	1015.5	1081.5	1221.3
17.5°	1179.3	1175.9	1175.9	1156.5	1127.0	1098.5	1066.7	1062.1	1062.1	1120.1	1278.2
20°	1273.7	1277.1	1266.8	1240.7	1211.1	1166.8	1134.9	1114.5	1116.7	1164.5	1347.6
22.5°	1410.1	1415.8	1388.5	1351.0	1305.5	1254.3	1208.8	1175.9	1177.0	1222.5	1419.2
25°	1556.8	1559.1	1542.0	1492.0	1430.6	1357.8	1297.5	1255.5	1254.3	1287.3	1511.3
27.5°	1706.9	1717.2	1683.0	1635.3	1578.4	1487.5	1407.8	1351.0	1341.9	1386.2	1626.2
30°	1861.6	1874.1	1841.1	1794.5	1724.0	1646.7	1552.3	1486.3	1480.6	1539.8	1779.7
32.5°	2017.4	2020.8	1994.6	1956.0	1892.3	1819.5	1743.3	1670.5	1664.9	1761.5	1978.7
35°	2144.8	2155.0	2136.8	2127.7	2081.1	2014.0	1940.1	1898.0	1912.8	2036.7	2236.9
37.5°	2298.3	2308.5	2288.0	2285.8	2271.0	2213.0	2161.8	2165.2	2180.0	2348.3	2508.7
40°	2520.0	2531.4	2479.1	2456.3	2456.3	2399.5	2382.4	2463.2	2482.5	2655.4	2791.8
42.5°	2707.7	2725.9	2695.2	2680.4	2636.0	2596.2	2616.7	2730.4	2763.4	2948.7	3038.6
45°	2798.6	2812.3	2848.7	2891.9	2848.7	2779.3	2856.6	2985.1	3031.8	3219.4	3285.4
47.5°	2847.5	2860.0	2902.1	3018.1	3047.7	2989.7	3098.9	3259.2	3291.0	3487.8	3520.8
50°	2854.4	2894.2	2948.7	3064.7	3200.1	3208.0	3342.2	3537.8	3575.3	3751.6	3727.7
52.5°	2798.6	2814.6	2927.1	3122.7	3272.8	3409.3	3607.2	3805.1	3832.3	3999.5	3910.8
55°	2707.7	2730.4	2843.0	3109.1	3343.4	3600.4	3876.7	4067.7	4098.5	4240.6	4080.3
57.5°	2625.8	2637.2	2757.7	3069.3	3413.9	3791.4	4116.6	4341.8	4362.3	4452.1	4205.3
60°	2534.8	2547.3	2667.9	2984.0	3466.2	3935.8	4366.8	4618.2	4636.3	4675.0	4350.9
62.5°	2299.4	2332.4	2483.6	2843.0	3452.5	4100.7	4634.1	4891.1	4913.8	4871.7	4465.8
65°	1867.3	1913.9	2099.3	2523.4	3325.2	4207.6	4852.4	5142.4	5181.1	5019.6	4496.5
67.5°	1449.9	1482.9	1631.9	2002.6	2878.2	4154.2	4993.4	5315.3	5326.6	4995.7	4325.9
68°	1374.9	1407.8	1550.0	1893.4	2754.3	4090.5	4990.0	5319.8	5344.8	4969.5	4259.9
70°	1051.9	1089.4	1224.8	1500.0	2219.8	3685.7	4781.9	5210.6	5207.2	4653.4	3850.5
72.5°	657.3	678.9	772.2	946.1	1468.1	2804.3	4058.7	4595.4	4604.5	3793.7	2953.3
75°	417.4	417.4	412.8	458.3	752.8	1597.8	3017.0	3537.8	3544.6	2656.5	1861.6
77.5°	362.8	352.5	303.6	257.0	300.2	620.9	1785.4	2284.6	2247.1	1430.6	883.6
80°	305.9	288.8	249.0	207.0	193.3	194.5	685.7	1159.9	1109.9	515.1	293.4
82.5°	220.6	205.8	187.6	162.6	149.0	116.0	143.3	335.5	327.5	149.0	95.5
85°	119.4	108.0	105.8	106.9	89.8	71.6	60.3	73.9	73.9	64.8	54.6
87.5°	42.1	30.7	36.4	40.9	35.3	29.6	23.9	28.4	29.6	28.4	26.2
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°	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0	1127.0
2.5°	1131.5	1142.9	1170.2	1194.1	1211.1	1225.9	1233.9	1237.3	1245.2	1246.4	1244.1
5°	1140.6	1170.2	1211.1	1246.4	1265.7	1273.7	1275.9	1277.1	1273.7	1275.9	1273.7
7.5°	1164.5	1202.0	1260.0	1290.7	1294.1	1281.6	1282.8	1278.2	1282.8	1287.3	1287.3
10°	1200.9	1248.6	1303.2	1314.6	1299.8	1293.0	1306.6	1333.9	1343.0	1355.5	1355.5
12.5°	1248.6	1305.5	1344.2	1333.9	1320.3	1343.0	1382.8	1410.1	1419.2	1423.8	1420.4
15°	1303.2	1364.6	1384.0	1349.9	1374.9	1423.8	1437.4	1421.5	1398.8	1388.5	1394.2
17.5°	1372.6	1423.8	1412.4	1389.7	1446.5	1453.3	1409.0	1357.8	1321.4	1307.8	1316.9
20°	1445.4	1489.7	1437.4	1447.7	1482.9	1410.1	1326.0	1260.0	1228.2	1222.5	1231.6
22.5°	1522.7	1551.1	1462.4	1514.7	1462.4	1314.6	1213.4	1179.3	1171.3	1180.4	1188.4
25°	1610.3	1606.9	1505.6	1535.2	1386.2	1197.5	1137.2	1134.9	1134.9	1140.6	1152.0
27.5°	1709.2	1655.8	1548.9	1507.9	1254.3	1100.8	1089.4	1090.6	1087.2	1088.3	1094.0
30°	1824.1	1721.7	1596.6	1418.1	1106.5	1028.0	1023.5	1020.1	1012.1	1009.8	1012.1
32.5°	1968.5	1791.1	1645.5	1270.2	976.9	953.0	950.7	932.5	913.2	910.9	918.9
35°	2151.6	1917.3	1670.5	1084.9	870.0	868.8	860.9	832.4	807.4	807.4	801.7
37.5°	2360.8	2079.9	1680.8	904.1	781.3	786.9	764.2	727.8	708.5	697.1	700.5
40°	2574.6	2265.3	1679.6	746.0	703.9	705.1	688.0	643.7	595.9	567.5	574.3
42.5°	2780.4	2433.6	1650.1	661.8	641.4	638.0	624.3	564.0	524.2	501.5	502.6
45°	2945.3	2607.6	1604.6	611.8	584.5	590.2	559.5	523.1	486.7	466.3	465.1
47.5°	3110.2	2739.5	1531.8	581.1	542.4	532.2	519.7	494.7	467.4	444.6	445.8
50°	3260.3	2852.1	1463.6	560.6	503.8	477.6	479.9	465.1	441.2	420.8	419.6
52.5°	3366.1	2926.0	1426.0	549.3	457.2	428.7	436.7	428.7	406.0	391.2	390.1
55°	3471.9	2982.9	1438.6	534.5	406.0	383.2	396.9	394.6	382.1	377.5	378.7
57.5°	3557.1	3026.1	1482.9	507.2	357.1	343.4	366.2	359.4	350.3	351.4	351.4
60°	3640.2	3081.8	1535.2	444.6	315.0	316.1	337.7	325.2	319.6	329.8	330.9
62.5°	3726.6	3142.1	1492.0	353.7	278.6	286.6	311.6	301.4	303.6	318.4	323.0
65°	3716.4	3136.4	1215.7	290.0	246.8	262.7	300.2	296.8	297.9	303.6	305.9
67.5°	3507.1	2936.2	835.8	246.8	224.0	243.4	291.1	277.5	278.6	275.2	276.3
68°	3436.6	2865.7	736.9	239.9	219.5	238.8	286.6	274.1	275.2	271.8	270.7
70°	3052.2	2454.1	466.3	211.5	203.6	226.3	263.8	259.3	258.1	255.9	255.9
72.5°	2326.7	1811.6	245.6	183.1	185.4	207.0	235.4	244.5	238.8	239.9	246.8
75°	1540.9	1089.4	170.6	156.9	162.6	177.4	209.2	227.4	221.8	225.2	221.8
77.5°	815.4	586.8	136.5	133.1	133.1	143.3	172.9	201.3	201.3	199.0	195.6
80°	267.2	207.0	109.2	104.6	106.9	112.6	138.7	164.9	168.3	163.8	161.5
82.5°	89.8	95.5	81.9	76.2	78.5	83.0	104.6	126.2	127.4	118.3	116.0
85°	55.7	63.7	51.2	50.0	50.0	51.2	63.7	69.4	63.7	56.9	59.1
87.5°	26.2	31.8	23.9	20.5	17.1	14.8	11.4	4.5	4.5	2.3	2.3
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)