

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: P1210677

Luminaire Tested: **ARCH3-40-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-40-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 345mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

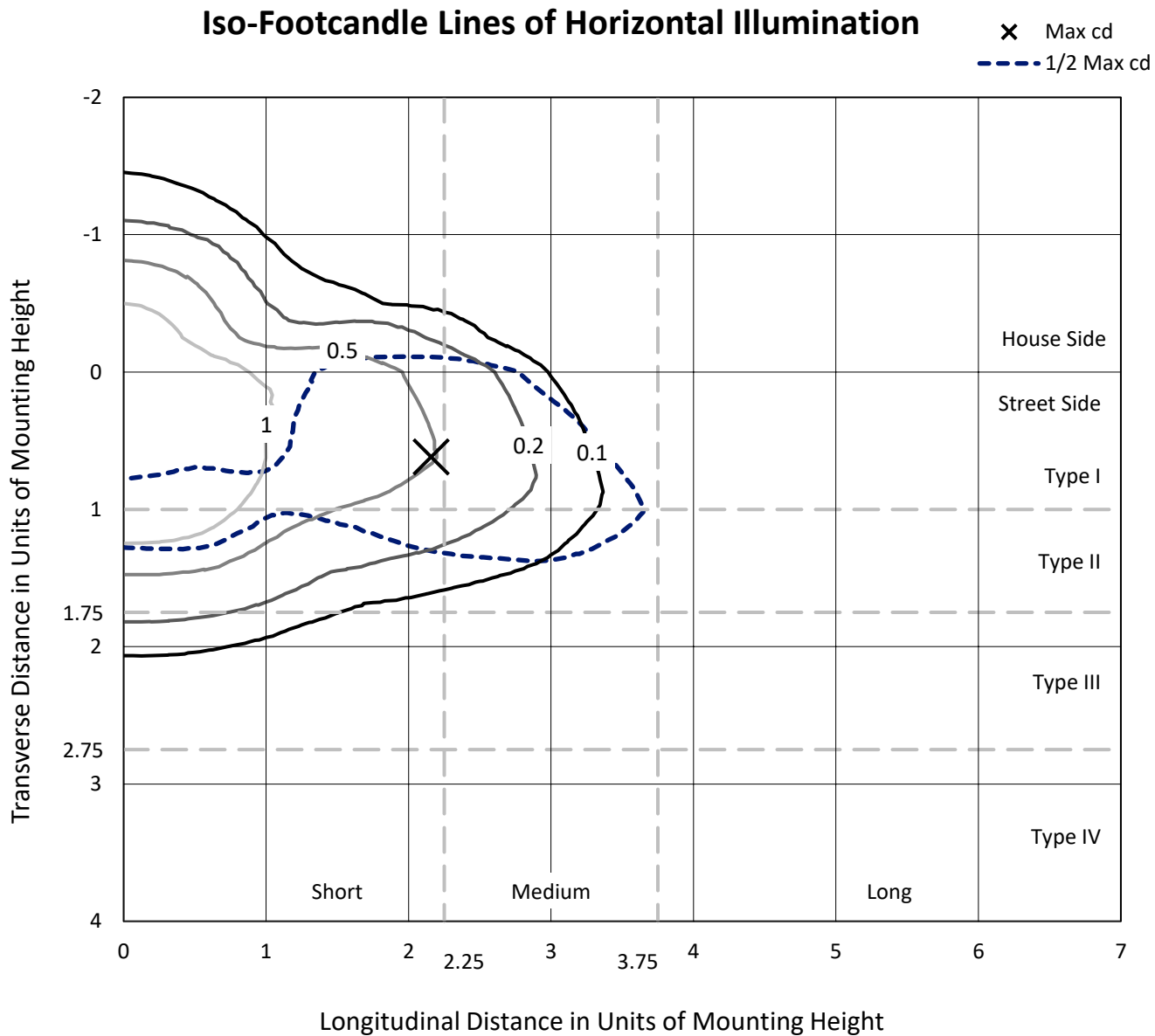
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6174 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 43.6
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

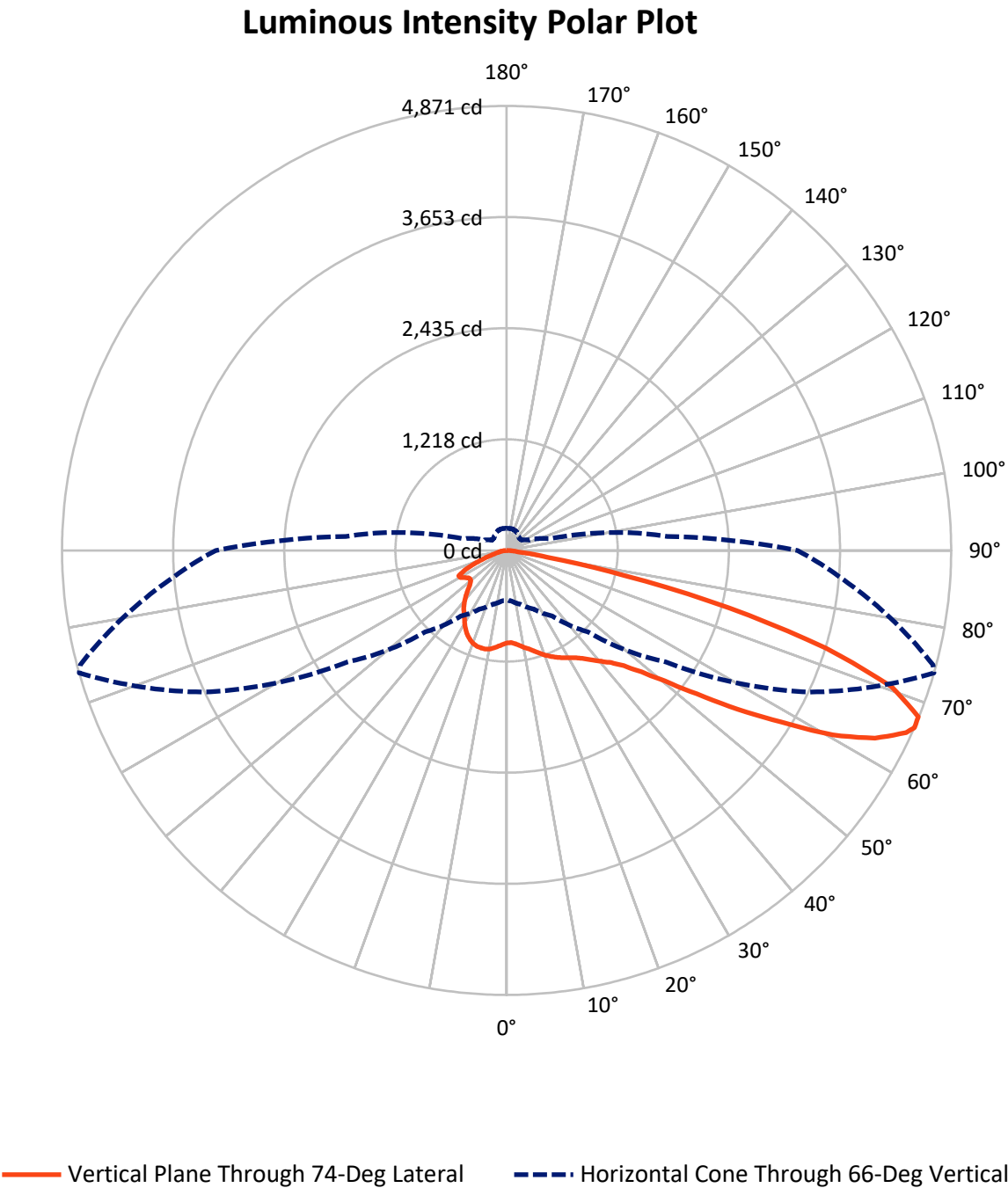


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Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1503.5	0.0	1503.5
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	4670.5	0.0	4670.5
	% Fixture	75.6	0.0	75.6
Total	Lumens	6174.0	0.0	6174.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	1.6
10°-20°	296.9	4.8
20°-30°	557.1	9.0
30°-40°	857.0	13.9
40°-50°	1152.8	18.7
50°-60°	1363.3	22.1
60°-70°	1261.1	20.4
70°-80°	530.5	8.6
80°-90°	58.7	1.0
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°	6174.0	100.0
0°-180°	6174.0	100.0

Coefficient of Utilization



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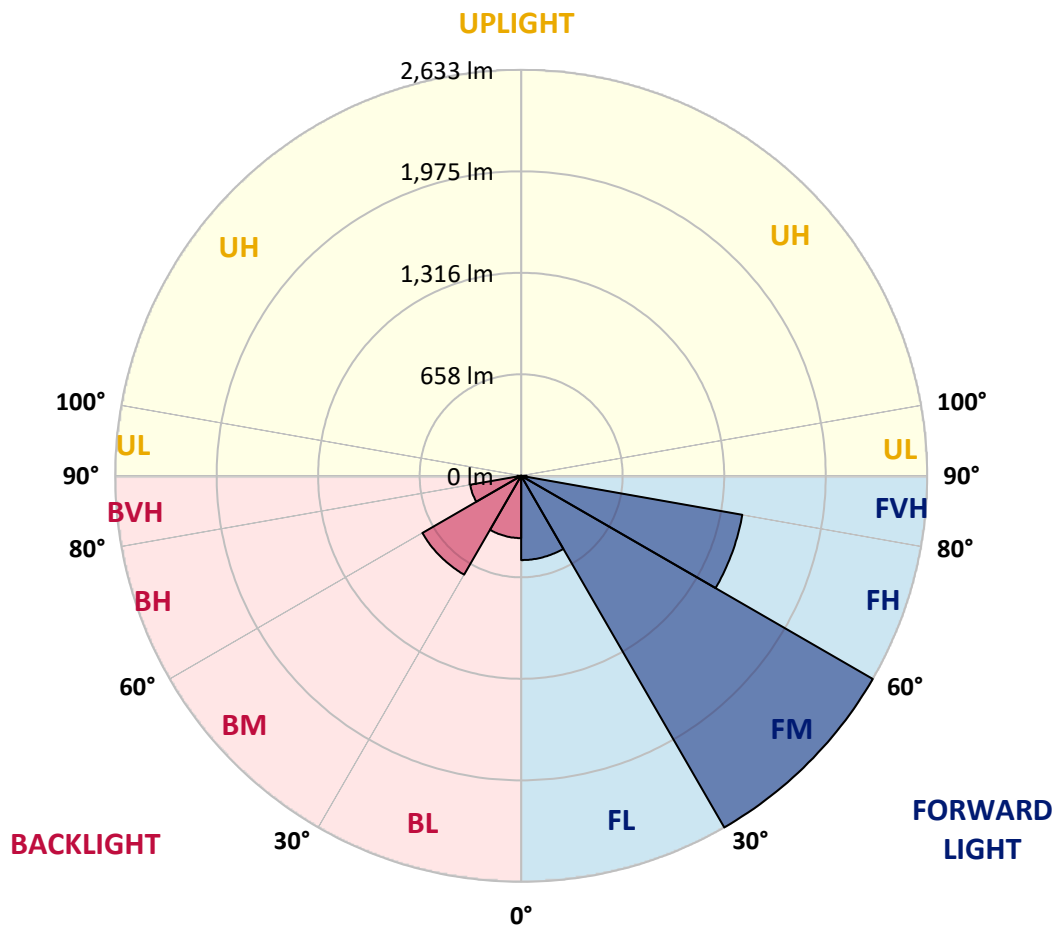
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	546.5	8.9			
FM	(30°-60°)	2632.9	42.6			
FH	(60°-80°)	1456.0	23.6			G1/1800
FVH	(80°-90°)	35.1	0.6			G1/100
BL	(0°-30°)	404.1	6.5	B1/500		
BM	(30°-60°)	740.2	12.0	B1/1000		
BH	(60°-80°)	335.6	5.4	B1/500		G1/500
BVH	(80°-90°)	23.6	0.4			G1/100
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°	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1
2.5°	1008.9	1007.4	1010.5	1015.3	1017.7	1013.7	1012.1	1011.3	1011.3	1008.9	1012.9
5°	961.3	960.5	967.6	976.4	993.1	1005.0	1020.9	1030.4	1027.2	1022.5	1025.6
7.5°	899.3	897.7	906.5	923.1	946.2	972.4	1011.3	1041.5	1053.4	1051.8	1051.1
10°	923.1	921.6	920.8	916.0	923.9	949.4	989.9	1043.1	1083.6	1084.4	1085.2
12.5°	1005.8	1009.7	1005.8	990.7	973.2	963.7	987.5	1047.1	1109.0	1113.8	1133.7
15°	1118.6	1114.6	1106.7	1089.2	1062.2	1033.6	1016.1	1065.4	1145.6	1149.6	1193.3
17.5°	1217.9	1221.1	1216.3	1199.6	1167.8	1130.5	1077.3	1097.1	1184.5	1195.6	1256.8
20°	1325.9	1338.6	1332.3	1311.6	1285.4	1229.8	1163.1	1143.2	1227.4	1235.4	1322.8
22.5°	1450.7	1464.2	1452.2	1432.4	1410.9	1342.6	1256.8	1199.6	1263.2	1279.9	1386.3
25°	1600.0	1612.7	1601.6	1570.6	1543.6	1460.2	1357.7	1263.2	1298.1	1316.4	1437.9
27.5°	1718.4	1727.9	1738.2	1720.0	1678.7	1592.1	1462.6	1329.1	1333.1	1352.1	1485.6
30°	1824.0	1847.9	1856.6	1859.0	1824.0	1727.1	1569.8	1397.4	1363.3	1383.1	1533.3
32.5°	1968.6	2004.4	1990.1	2004.4	1983.7	1854.2	1681.0	1468.1	1402.2	1420.5	1578.6
35°	2180.0	2208.6	2171.2	2160.1	2126.7	1982.9	1788.3	1541.2	1453.8	1473.7	1621.5
37.5°	2407.2	2439.7	2385.7	2341.2	2277.7	2110.0	1880.5	1637.4	1525.3	1541.2	1661.2
40°	2605.8	2632.8	2585.9	2527.1	2420.7	2222.1	1959.9	1704.9	1596.8	1616.7	1707.3
42.5°	2789.3	2806.8	2754.3	2697.9	2555.7	2323.0	2045.7	1776.4	1680.3	1699.3	1744.6
45°	2975.2	2988.7	2915.6	2835.4	2668.5	2415.1	2140.2	1876.5	1802.6	1828.0	1805.0
47.5°	3008.6	3012.5	2999.8	2945.8	2757.5	2503.3	2257.0	2010.7	1989.3	2017.1	1909.1
50°	2777.4	2813.1	2891.8	2945.0	2793.3	2577.2	2373.8	2203.0	2246.7	2282.4	2125.1
52.5°	2328.5	2362.7	2544.6	2746.4	2707.5	2593.9	2499.3	2446.9	2609.8	2652.7	2419.1
55°	1855.0	1885.2	2077.5	2368.2	2430.2	2517.6	2633.6	2758.3	3072.9	3101.5	2741.6
57.5°	1527.7	1544.4	1681.8	1961.5	2060.8	2273.7	2705.9	3128.5	3544.0	3587.7	3022.1
60°	1252.8	1271.1	1373.6	1604.0	1735.9	1924.9	2648.7	3494.0	4106.5	4106.5	3382.0
62.5°	943.0	958.9	1054.2	1234.6	1456.2	1629.4	2466.0	3736.3	4530.7	4511.7	3642.5
65°	647.5	660.2	729.3	849.3	1048.7	1388.7	2216.5	3739.5	4812.0	4786.5	3753.8
66°	543.4	554.5	613.3	710.2	877.9	1260.0	2128.3	3671.9	4870.7	4835.0	3706.9
67.5°	429.0	436.9	475.9	533.1	643.5	1020.1	1989.3	3480.5	4865.2	4843.7	3587.7
70°	306.7	312.2	340.8	352.7	380.5	590.3	1580.2	3048.3	4475.1	4481.5	3119.0
72.5°	237.5	246.3	263.8	266.1	259.8	313.8	958.9	2543.0	3660.8	3658.4	2315.0
75°	191.5	196.2	205.0	209.7	208.1	202.6	406.0	1897.1	2520.0	2549.4	1296.5
77.5°	150.9	150.2	158.1	164.5	169.2	158.9	185.9	1112.2	1321.2	1283.8	487.0
80°	111.2	111.2	122.3	124.7	131.9	133.5	123.9	429.0	453.6	412.3	126.3
82.5°	73.1	73.1	85.0	86.6	93.7	104.1	89.8	128.7	125.5	119.2	57.2
85°	39.7	38.1	42.1	47.7	51.6	61.2	54.0	64.4	65.9	65.1	38.1
87.5°	7.9	7.2	11.1	12.7	14.3	19.1	17.5	26.2	36.5	35.8	16.7
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°	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1
2.5°	1018.5	1017.7	1026.4	1036.8	1048.7	1055.8	1059.0	1064.6	1060.6	1062.2	1066.9
5°	1033.6	1036.0	1048.7	1062.2	1067.7	1063.8	1055.0	1051.8	1044.7	1043.1	1041.5
7.5°	1055.8	1059.8	1072.5	1075.7	1059.0	1031.2	1011.3	1000.2	988.3	985.1	983.5
10°	1092.4	1094.7	1097.9	1065.4	1024.0	986.7	962.1	951.7	943.8	937.4	939.0
12.5°	1138.4	1136.9	1112.2	1044.7	985.9	947.8	931.1	924.7	919.2	915.2	914.4
15°	1196.4	1185.3	1114.6	1016.1	950.2	918.4	906.5	904.1	897.7	897.7	896.9
17.5°	1255.2	1226.6	1113.0	985.9	916.0	898.5	891.4	889.8	888.2	887.4	889.8
20°	1314.0	1263.2	1100.3	948.6	892.2	881.8	880.2	881.0	879.5	881.8	880.2
22.5°	1365.7	1287.0	1076.5	908.8	875.5	874.7	870.7	872.3	877.9	878.7	881.0
25°	1405.4	1295.7	1041.5	872.3	863.6	862.0	866.7	873.1	877.9	878.7	882.6
27.5°	1437.9	1291.0	997.8	843.7	842.9	851.6	865.9	868.3	869.1	869.1	865.9
30°	1462.6	1280.6	942.2	811.9	815.9	837.3	850.9	850.9	844.5	842.9	847.7
32.5°	1468.1	1267.1	881.8	779.4	785.7	811.1	827.8	822.3	815.1	815.1	818.3
35°	1472.9	1248.9	833.4	734.9	744.4	774.6	790.5	779.4	771.4	769.0	768.2
37.5°	1471.3	1241.7	789.7	678.5	691.2	720.6	730.9	720.6	708.6	703.1	710.2
40°	1472.9	1237.0	734.9	616.5	629.2	646.7	660.2	652.2	641.1	626.8	634.0
42.5°	1482.4	1243.3	674.5	556.1	556.1	565.6	588.7	583.1	556.1	550.6	556.9
45°	1533.3	1277.5	614.1	495.7	487.0	493.4	517.2	493.4	476.7	476.7	482.2
47.5°	1656.4	1341.0	560.9	442.5	421.9	434.6	440.9	418.7	406.0	402.8	408.3
50°	1907.5	1468.1	529.1	398.8	373.4	382.9	379.0	378.2	365.4	367.0	370.2
52.5°	2288.8	1716.0	519.6	377.4	345.6	348.0	344.0	345.6	343.2	351.1	353.5
55°	2704.3	1977.4	531.5	380.5	326.5	309.8	311.4	319.4	328.9	341.6	344.0
57.5°	3014.9	2108.5	562.5	402.0	302.7	277.3	281.2	296.3	314.6	324.9	330.5
60°	3246.1	2092.6	607.8	407.6	274.1	247.9	255.0	277.3	293.2	301.9	307.5
62.5°	3321.6	1993.3	618.9	367.0	236.7	220.1	237.5	260.6	267.7	277.3	281.2
65°	3259.6	1852.6	537.8	297.9	208.1	199.4	224.8	242.3	251.8	256.6	257.4
66°	3186.5	1768.4	494.1	270.9	197.8	193.1	220.1	234.4	243.9	243.1	243.9
67.5°	3026.0	1592.1	423.4	232.8	182.7	183.5	212.1	221.7	224.8	222.4	222.4
70°	2480.3	1121.0	303.5	176.4	160.5	171.6	190.7	193.1	200.2	197.0	197.0
72.5°	1529.3	550.6	203.4	135.1	143.0	160.5	159.7	167.6	184.3	189.1	192.3
75°	751.5	223.2	134.3	114.4	127.9	134.3	132.7	152.5	176.4	197.0	204.2
77.5°	285.2	111.2	93.7	100.1	103.3	100.9	105.7	138.2	176.4	213.7	220.9
80°	88.2	77.1	73.9	82.6	77.9	73.9	79.4	114.4	149.4	162.1	162.1
82.5°	53.2	60.4	57.2	56.4	52.4	53.2	57.2	81.8	115.2	120.8	120.8
85°	37.3	39.7	32.6	31.0	30.2	29.4	29.4	47.7	68.3	67.5	69.9
87.5°	14.3	15.9	11.9	11.9	11.1	7.9	6.4	7.9	7.9	5.6	4.0
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)