

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: P1210037

Luminaire Tested: **ARCH1-60-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210037
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: ARCH1-60-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

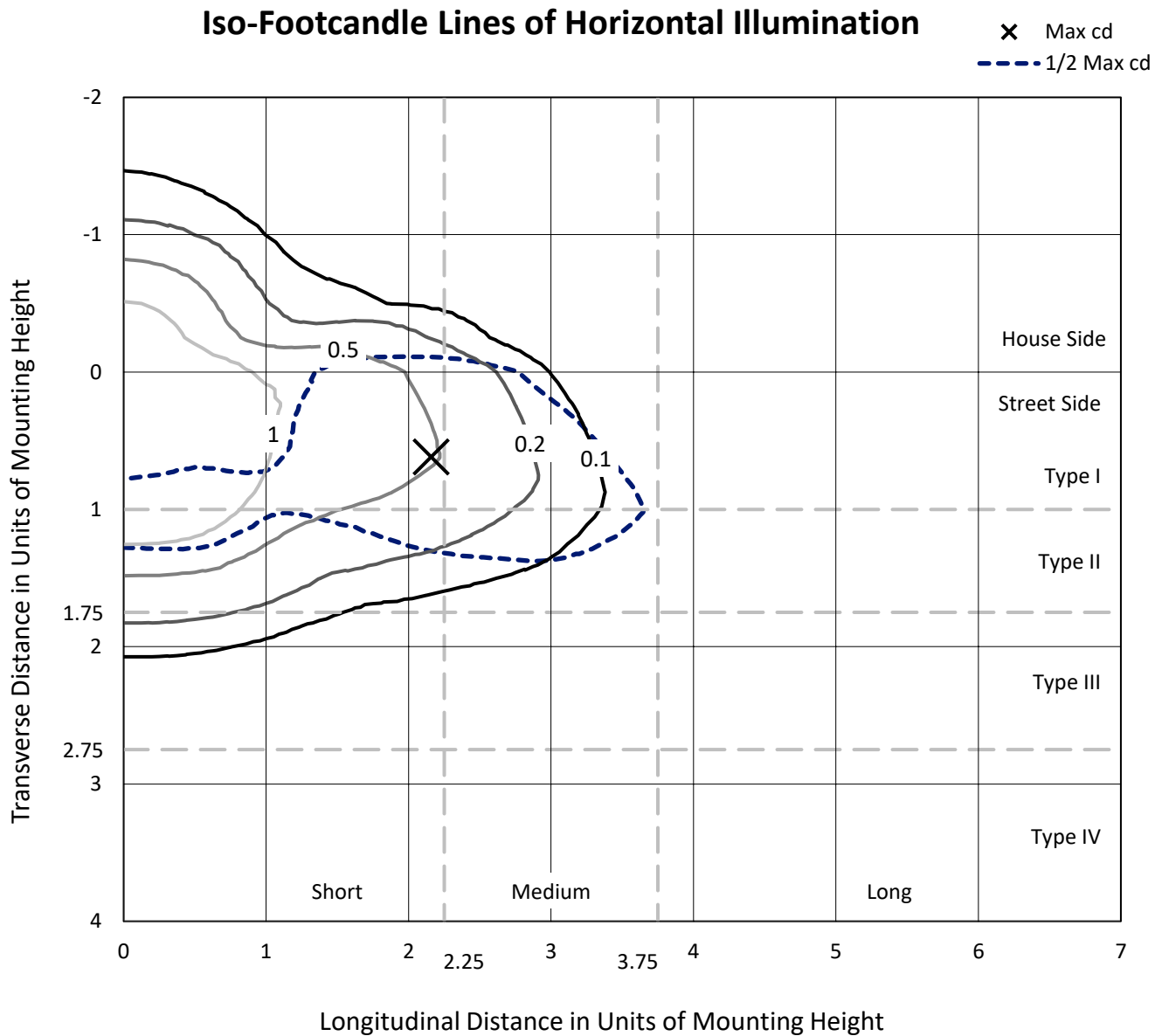
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6316 lumens
Efficiency: N/A
Efficacy: 105.3 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

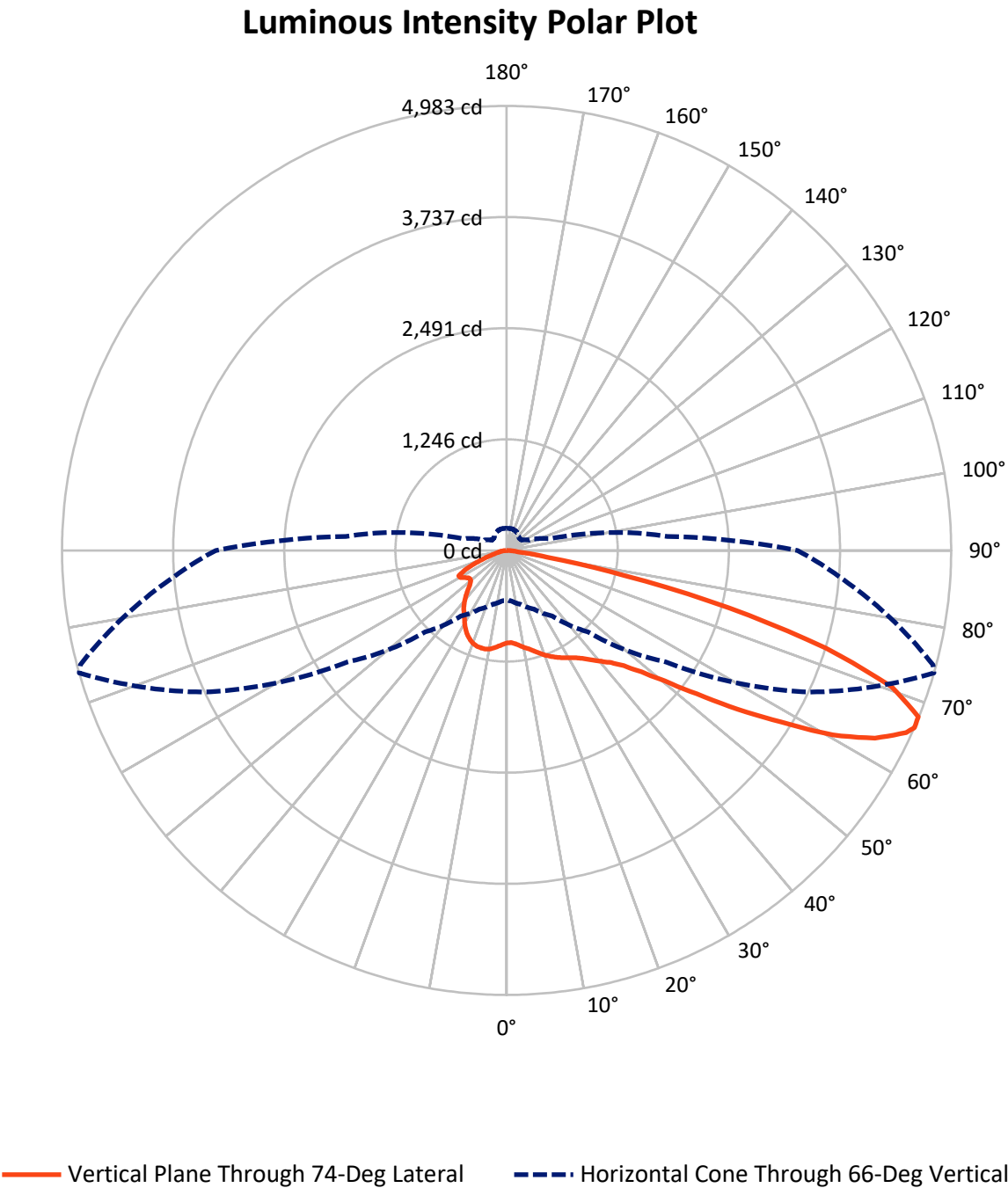


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Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1538.1	0.0	1538.1
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	4777.9	0.0	4777.9
	% Fixture	75.6	0.0	75.6
Total	Lumens	6316.0	0.0	6316.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	1.6
10°-20°	303.7	4.8
20°-30°	570.0	9.0
30°-40°	876.7	13.9
40°-50°	1179.3	18.7
50°-60°	1394.6	22.1
60°-70°	1290.1	20.4
70°-80°	542.7	8.6
80°-90°	60.1	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°	6316.0	100.0
0°-180°	6316.0	100.0

Coefficient of Utilization



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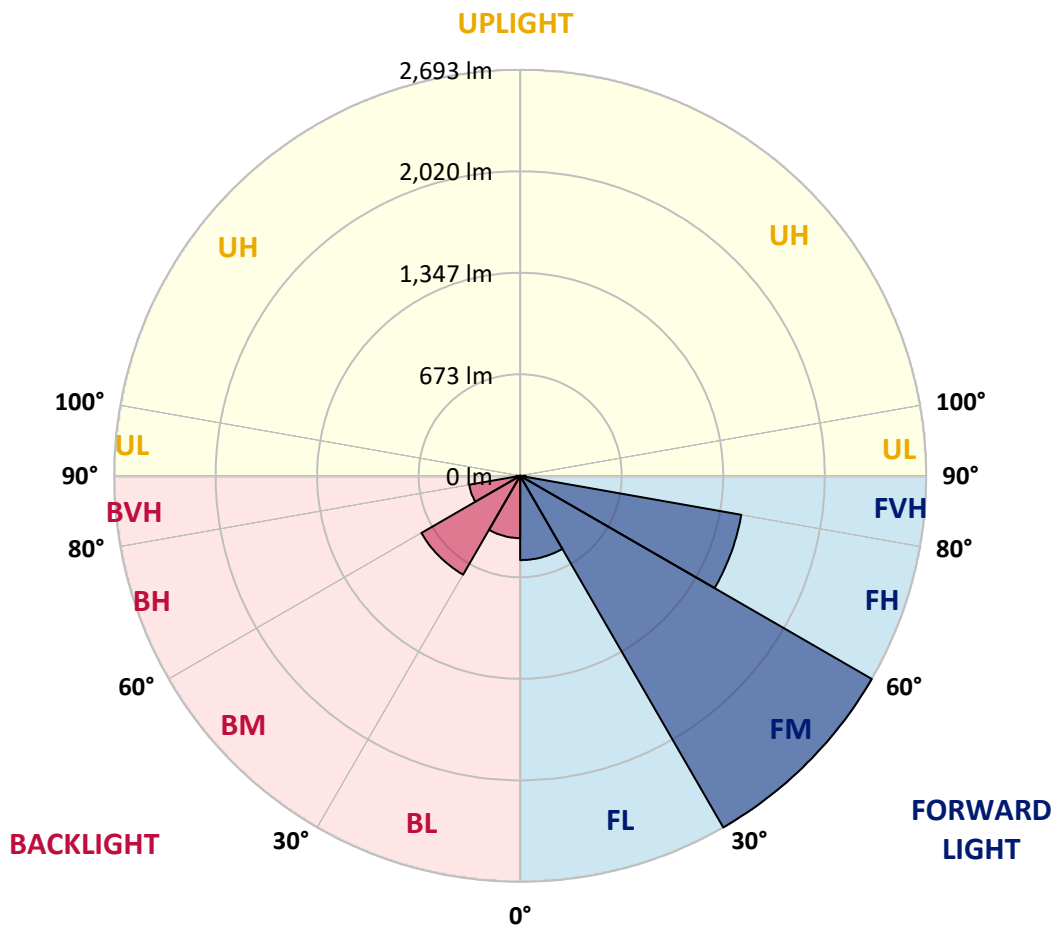
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	559.0	8.9			
FM	(30°-60°)	2693.4	42.6			
FH	(60°-80°)	1489.5	23.6			G1/1800
FVH	(80°-90°)	35.9	0.6			G1/100
BL	(0°-30°)	413.4	6.5	B1/500		
BM	(30°-60°)	757.2	12.0	B1/1000		
BH	(60°-80°)	343.4	5.4	B1/500		G1/500
BVH	(80°-90°)	24.1	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°	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4
2.5°	1032.2	1030.5	1033.8	1038.7	1041.1	1037.0	1035.4	1034.6	1034.6	1032.2	1036.2
5°	983.4	982.6	989.9	998.8	1015.9	1028.1	1044.3	1054.1	1050.8	1046.0	1049.2
7.5°	920.0	918.4	927.3	944.4	967.9	994.8	1034.6	1065.5	1077.7	1076.0	1075.2
10°	944.4	942.8	941.9	937.1	945.2	971.2	1012.6	1067.1	1108.5	1109.4	1110.2
12.5°	1028.9	1033.0	1028.9	1013.5	995.6	985.8	1010.2	1071.2	1134.6	1139.4	1159.7
15°	1144.3	1140.2	1132.1	1114.2	1086.6	1057.3	1039.5	1089.9	1171.9	1176.0	1220.7
17.5°	1245.9	1249.1	1244.3	1227.2	1194.7	1156.5	1102.0	1122.4	1211.8	1223.1	1285.7
20°	1356.4	1369.4	1362.9	1341.8	1315.0	1258.1	1189.8	1169.5	1255.6	1263.8	1353.2
22.5°	1484.0	1497.8	1485.6	1465.3	1443.4	1373.5	1285.7	1227.2	1292.2	1309.3	1418.2
25°	1636.8	1649.8	1638.4	1606.7	1579.1	1493.8	1388.9	1292.2	1328.0	1346.7	1471.0
27.5°	1757.9	1767.7	1778.2	1759.5	1717.3	1628.7	1496.2	1359.7	1363.7	1383.2	1519.8
30°	1866.0	1890.4	1899.3	1901.8	1866.0	1766.8	1605.9	1429.6	1394.6	1414.9	1568.5
32.5°	2013.9	2050.5	2035.9	2050.5	2029.4	1896.9	1719.7	1501.9	1434.4	1453.1	1614.9
35°	2230.1	2259.4	2221.2	2209.8	2175.6	2028.5	1829.4	1576.7	1487.3	1507.6	1658.8
37.5°	2462.5	2495.9	2440.6	2395.1	2330.1	2158.6	1923.7	1675.0	1560.4	1576.7	1699.4
40°	2665.7	2693.3	2645.4	2585.3	2476.4	2273.2	2005.0	1744.1	1633.6	1653.9	1746.5
42.5°	2853.5	2871.3	2817.7	2760.0	2614.5	2376.4	2092.7	1817.2	1718.9	1738.4	1784.7
45°	3043.6	3057.4	2982.7	2900.6	2729.9	2470.7	2189.5	1919.6	1844.1	1870.1	1846.5
47.5°	3077.8	3081.8	3068.8	3013.6	2820.9	2560.9	2308.9	2057.0	2035.0	2063.5	1953.0
50°	2841.3	2877.8	2958.3	3012.7	2857.5	2636.5	2428.4	2253.7	2298.4	2334.9	2174.0
52.5°	2382.1	2417.0	2603.1	2809.6	2769.7	2653.5	2556.8	2503.2	2669.8	2713.7	2474.7
55°	1897.7	1928.6	2125.3	2422.7	2486.1	2575.5	2694.2	2821.8	3143.6	3172.9	2804.7
57.5°	1562.9	1579.9	1720.5	2006.6	2108.2	2326.0	2768.1	3200.5	3625.5	3670.2	3091.6
60°	1281.7	1300.3	1405.2	1640.9	1775.8	1969.2	2709.6	3574.3	4200.9	4200.9	3459.7
62.5°	964.7	981.0	1078.5	1263.0	1489.7	1666.9	2522.7	3822.2	4634.9	4615.4	3726.3
65°	662.4	675.4	746.1	868.8	1072.8	1420.6	2267.5	3825.5	4922.6	4896.6	3840.1
66°	555.9	567.3	627.4	726.6	898.1	1289.0	2177.3	3756.4	4982.8	4946.2	3792.1
67.5°	438.9	447.0	486.8	545.3	658.3	1043.5	2035.0	3560.5	4977.1	4955.1	3670.2
70°	313.7	319.4	348.7	360.8	389.3	603.8	1616.5	3118.4	4578.0	4584.5	3190.7
72.5°	243.0	251.9	269.8	272.3	265.8	321.0	981.0	2601.5	3745.0	3742.6	2368.3
75°	195.9	200.7	209.7	214.6	212.9	207.2	415.3	1940.8	2577.9	2608.0	1326.4
77.5°	154.4	153.6	161.7	168.2	173.1	162.5	190.2	1137.8	1351.5	1313.4	498.2
80°	113.8	113.8	125.2	127.6	134.9	136.5	126.8	438.9	464.1	421.8	129.2
82.5°	74.8	74.8	87.0	88.6	95.9	106.5	91.8	131.7	128.4	121.9	58.5
85°	40.6	39.0	43.1	48.8	52.8	62.6	55.3	65.8	67.5	66.6	39.0
87.5°	8.1	7.3	11.4	13.0	14.6	19.5	17.9	26.8	37.4	36.6	17.1
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°	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4	1035.4
2.5°	1041.9	1041.1	1050.0	1060.6	1072.8	1080.1	1083.4	1089.0	1085.0	1086.6	1091.5
5°	1057.3	1059.8	1072.8	1086.6	1092.3	1088.2	1079.3	1076.0	1068.7	1067.1	1065.5
7.5°	1080.1	1084.2	1097.2	1100.4	1083.4	1054.9	1034.6	1023.2	1011.0	1007.8	1006.1
10°	1117.5	1119.9	1123.2	1089.9	1047.6	1009.4	984.2	973.6	965.5	959.0	960.6
12.5°	1164.6	1163.0	1137.8	1068.7	1008.6	969.6	952.5	946.0	940.3	936.3	935.4
15°	1224.0	1212.6	1140.2	1039.5	972.0	939.5	927.3	924.9	918.4	918.4	917.6
17.5°	1284.1	1254.8	1138.6	1008.6	937.1	919.2	911.9	910.2	908.6	907.8	910.2
20°	1344.2	1292.2	1125.6	970.4	912.7	902.1	900.5	901.3	899.7	902.1	900.5
22.5°	1397.1	1316.6	1101.2	929.7	895.6	894.8	890.7	892.4	898.1	898.9	901.3
25°	1437.7	1325.5	1065.5	892.4	883.4	881.8	886.7	893.2	898.1	898.9	902.9
27.5°	1471.0	1320.7	1020.8	863.1	862.3	871.2	885.9	888.3	889.1	889.1	885.9
30°	1496.2	1310.1	963.9	830.6	834.7	856.6	870.4	870.4	863.9	862.3	867.2
32.5°	1501.9	1296.3	902.1	797.3	803.8	829.8	846.9	841.2	833.8	833.8	837.1
35°	1506.8	1277.6	852.5	751.8	761.5	792.4	808.7	797.3	789.1	786.7	785.9
37.5°	1505.2	1270.3	807.8	694.1	707.1	737.1	747.7	737.1	724.9	719.3	726.6
40°	1506.8	1265.4	751.8	630.7	643.7	661.6	675.4	667.2	655.9	641.2	648.5
42.5°	1516.5	1271.9	690.0	568.9	568.9	578.7	602.2	596.5	568.9	563.2	569.7
45°	1568.5	1306.9	628.2	507.1	498.2	504.7	529.1	504.7	487.6	487.6	493.3
47.5°	1694.5	1371.9	573.8	452.7	431.6	444.6	451.1	428.3	415.3	412.0	417.7
50°	1951.3	1501.9	541.3	408.0	382.0	391.7	387.7	386.9	373.9	375.5	378.7
52.5°	2341.4	1755.5	531.5	386.0	353.5	356.0	351.9	353.5	351.1	359.2	361.7
55°	2766.5	2022.9	543.7	389.3	334.0	317.0	318.6	326.7	336.5	349.5	351.9
57.5°	3084.3	2157.0	575.4	411.2	309.6	283.6	287.7	303.1	321.8	332.4	338.1
60°	3320.8	2140.7	621.7	416.9	280.4	253.6	260.9	283.6	299.9	308.8	314.5
62.5°	3398.0	2039.1	633.1	375.5	242.2	225.1	243.0	266.6	273.9	283.6	287.7
65°	3334.6	1895.3	550.2	304.8	212.9	204.0	230.0	247.9	257.6	262.5	263.3
66°	3259.8	1809.1	505.5	277.1	202.4	197.5	225.1	239.8	249.5	248.7	249.5
67.5°	3095.6	1628.7	433.2	238.1	186.9	187.7	217.0	226.7	230.0	227.6	227.6
70°	2537.3	1146.7	310.5	180.4	164.2	175.5	195.1	197.5	204.8	201.6	201.6
72.5°	1564.5	563.2	208.1	138.2	146.3	164.2	163.4	171.5	188.6	193.4	196.7
75°	768.8	228.4	137.3	117.0	130.8	137.3	135.7	156.0	180.4	201.6	208.9
77.5°	291.8	113.8	95.9	102.4	105.7	103.2	108.1	141.4	180.4	218.6	225.9
80°	90.2	78.8	75.6	84.5	79.6	75.6	81.3	117.0	152.8	165.8	165.8
82.5°	54.5	61.8	58.5	57.7	53.6	54.5	58.5	83.7	117.8	123.5	123.5
85°	38.2	40.6	33.3	31.7	30.9	30.1	30.1	48.8	69.9	69.1	71.5
87.5°	14.6	16.3	12.2	12.2	11.4	8.1	6.5	8.1	8.1	5.7	4.1
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)