

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: P799863

Luminaire Tested: **ARCH2-60-722-U-T3**

Issue Date: 4/4/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799863  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2310-189-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/4/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH2-60-722-U-T3  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

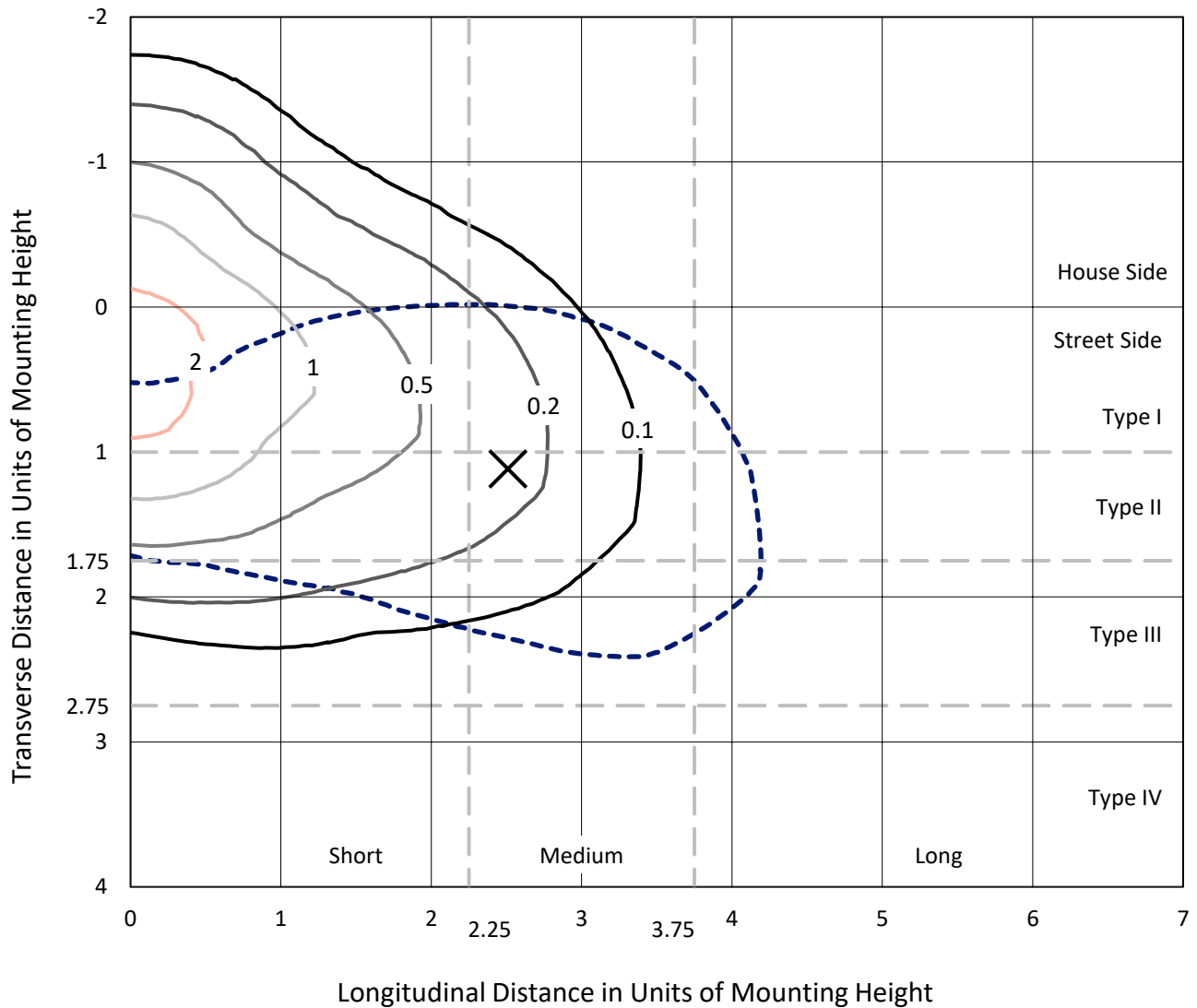
Lumens per Lamp: N/A  
Luminaire Lumens: 7783 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 63.8  
Input Voltage (V): NR  
Input Current (Ain): 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: P799863  
 CATALOG NUMBER: ARCH2-60-722-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

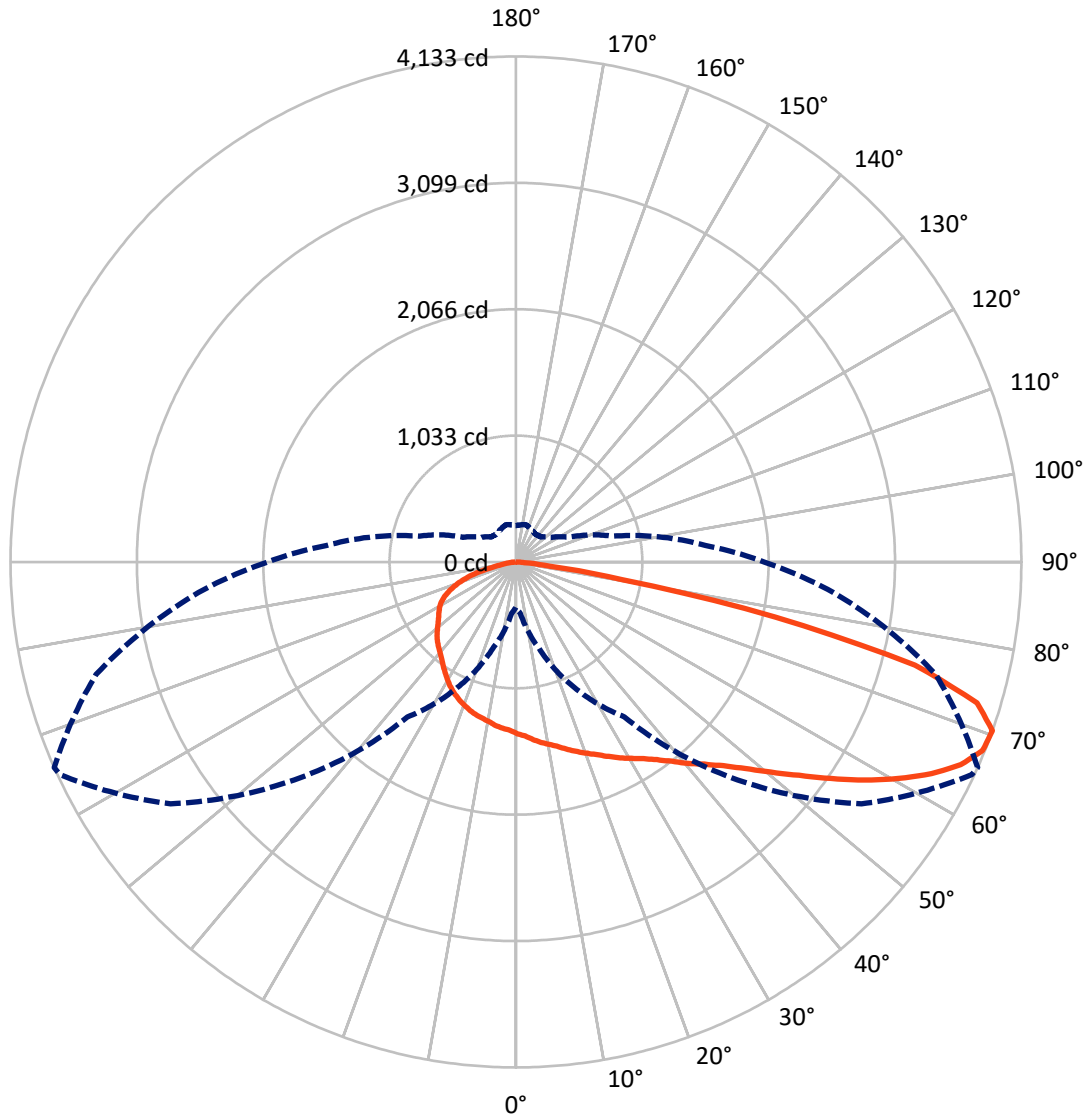
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P799863  
CATALOG NUMBER: ARCH2-60-722-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P799863  
 CATALOG NUMBER: ARCH2-60-722-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2062.3	0.0	2062.3
	% Fixture	26.5	0.0	26.5
<b>Street Side</b>	Lumens	5720.7	0.0	5720.7
	% Fixture	73.5	0.0	73.5
<b>Total</b>	Lumens	7783.0	0.0	7783.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.0	1.7
10°-20°	404.9	5.2
20°-30°	678.7	8.7
30°-40°	1016.2	13.1
40°-50°	1358.7	17.5
50°-60°	1586.3	20.4
60°-70°	1577.4	20.3
70°-80°	933.8	12.0
80°-90°	92.0	1.2
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°	7783.0	100.0
0°-180°	7783.0	100.0



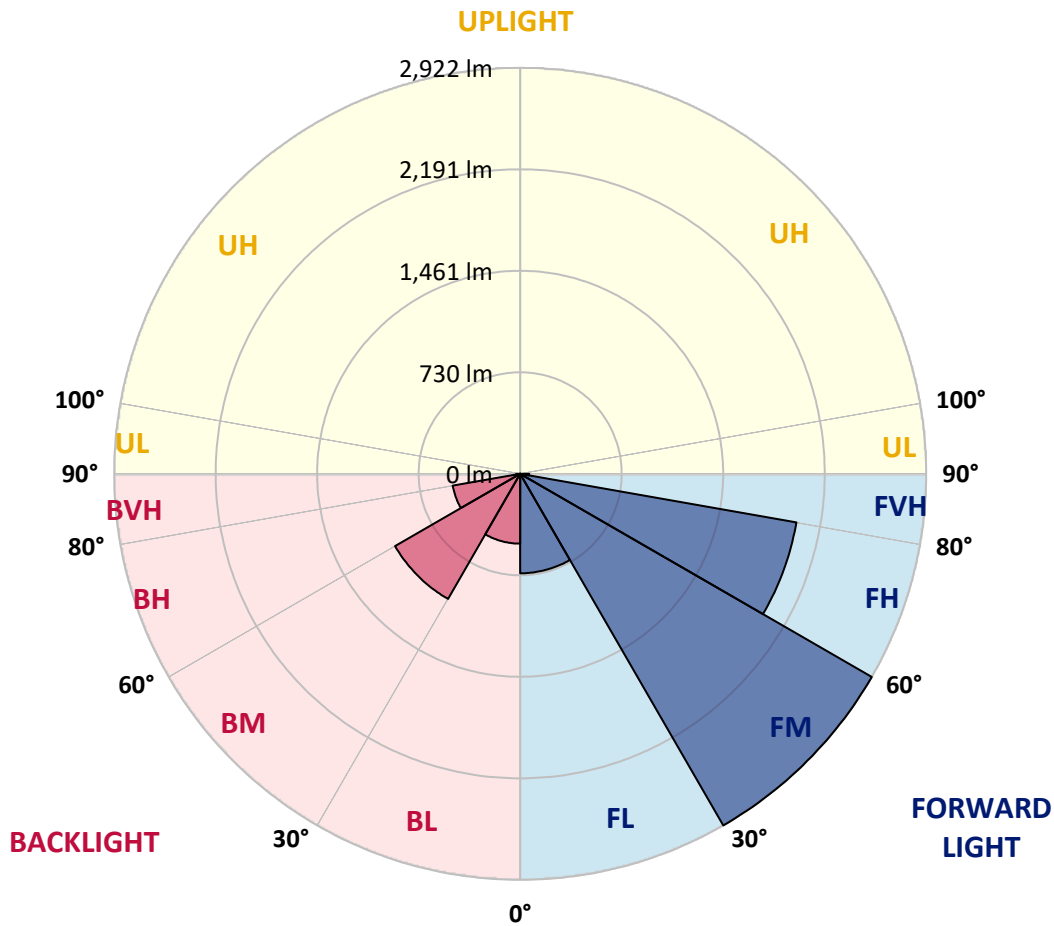
REPORT NUMBER: P799863  
 CATALOG NUMBER: ARCH2-60-722-U-T3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	715.8	9.2			
FM (30°-60°)	2921.6	37.5			
FH (60°-80°)	2018.5	25.9			G2/5000
FVH (80°-90°)	64.7	0.8			G1/100
BL (0°-30°)	502.7	6.5	B2/1000		
BM (30°-60°)	1039.6	13.4	B2/2500		
BH (60°-80°)	492.6	6.3	B1/500		G1/500
BVH (80°-90°)	27.4	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 Medium



REPORT NUMBER: P799863  
 CATALOG NUMBER: ARCH2-60-722-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7
2.5°	1456.3	1454.0	1452.9	1448.3	1437.9	1442.5	1432.2	1425.3	1424.2	1408.1	1398.9
5°	1516.0	1514.8	1512.5	1505.6	1489.6	1491.9	1474.7	1462.0	1458.6	1433.3	1413.8
7.5°	1566.5	1564.2	1563.0	1553.8	1536.6	1535.5	1514.8	1496.5	1490.7	1456.3	1426.5
10°	1605.5	1602.0	1604.3	1595.2	1576.8	1573.4	1547.0	1522.9	1517.1	1473.5	1432.2
12.5°	1638.8	1636.5	1639.9	1631.9	1617.0	1613.5	1587.1	1556.1	1549.3	1498.8	1444.8
15°	1675.5	1667.5	1674.3	1670.9	1660.6	1659.4	1635.3	1600.9	1591.7	1530.9	1464.3
17.5°	1695.0	1690.4	1698.4	1699.6	1695.0	1703.0	1680.1	1638.8	1630.7	1560.7	1481.5
20°	1708.8	1701.9	1711.1	1717.9	1721.4	1737.5	1719.1	1678.9	1669.7	1589.4	1497.6
22.5°	1755.8	1740.9	1742.0	1746.6	1748.9	1771.9	1760.4	1721.4	1712.2	1625.0	1517.1
25°	1874.0	1844.2	1824.7	1810.9	1794.8	1814.3	1807.5	1769.6	1761.6	1667.5	1541.2
27.5°	2057.6	2019.8	1980.7	1940.6	1877.5	1869.4	1858.0	1823.5	1814.3	1709.9	1565.3
30°	2266.5	2228.6	2182.7	2118.5	2000.3	1938.3	1911.9	1874.0	1863.7	1747.8	1588.3
32.5°	2474.2	2440.9	2395.0	2317.0	2148.3	2022.1	1965.8	1926.8	1916.5	1789.1	1615.8
35°	2636.0	2615.4	2585.5	2488.0	2295.2	2120.8	2043.9	1996.8	1985.3	1854.5	1666.3
37.5°	2766.8	2751.9	2726.7	2624.5	2401.9	2219.4	2133.4	2079.4	2066.8	1925.7	1720.2
40°	2959.6	2920.6	2900.0	2751.9	2494.9	2309.0	2234.4	2178.1	2164.4	2001.4	1763.9
42.5°	3123.7	3095.1	3069.8	2865.5	2583.2	2385.8	2329.6	2278.0	2259.6	2076.0	1810.9
45°	3151.3	3162.8	3150.1	2921.8	2723.2	2461.6	2426.0	2392.7	2375.5	2177.0	1882.1
47.5°	3152.4	3152.4	3077.8	2953.9	2896.5	2546.5	2529.3	2540.8	2522.4	2305.5	1967.0
50°	3069.8	3084.7	3045.7	2961.9	2942.4	2631.4	2655.5	2717.5	2699.1	2442.1	2058.8
52.5°	2898.8	2948.2	2947.0	2949.3	2875.9	2703.7	2788.7	2929.8	2898.8	2595.9	2156.3
55°	2597.0	2695.7	2784.1	2859.8	2818.5	2747.3	2951.6	3155.9	3123.7	2768.0	2255.0
57.5°	2338.8	2401.9	2512.1	2726.7	2750.8	2785.2	3104.2	3392.3	3363.6	2958.5	2358.3
60°	2043.9	2131.1	2241.2	2546.5	2668.2	2834.6	3271.8	3623.0	3595.4	3151.3	2458.1
62.5°	1590.6	1703.0	1923.4	2269.9	2547.7	2865.5	3403.8	3826.1	3813.5	3333.8	2547.7
65°	1108.6	1208.4	1517.1	1930.3	2356.0	2851.8	3509.3	4007.4	3995.9	3482.9	2610.8
67.5°	647.2	763.1	1112.0	1553.8	2017.5	2756.5	3543.8	4114.1	4114.1	3573.6	2628.0
70°	369.5	423.5	733.3	1132.7	1547.0	2493.7	3447.4	4113.0	4132.5	3552.9	2556.8
72.5°	258.2	282.3	493.5	762.0	1048.9	2017.5	3194.9	3914.4	3940.8	3357.9	2313.5
75°	200.8	218.0	347.7	519.9	661.0	1370.2	2642.9	3300.5	3370.5	2862.1	1870.6
77.5°	152.6	165.3	203.1	324.8	423.5	787.2	1744.3	2164.4	2169.0	1752.4	1003.0
80°	111.3	123.9	135.4	198.5	224.9	368.4	658.7	904.3	879.1	848.1	542.8
82.5°	66.6	79.2	82.6	107.9	110.2	157.2	230.7	291.5	280.0	373.0	254.8
85°	28.7	40.2	42.5	49.3	47.1	64.3	91.8	76.9	68.9	79.2	55.1
87.5°	6.9	11.5	11.5	12.6	10.3	16.1	17.2	12.6	11.5	13.8	13.8
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: P799863  
 CATALOG NUMBER: ARCH2-60-722-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7
2.5°	1396.6	1393.2	1394.3	1374.8	1369.1	1363.3	1359.9	1357.6	1355.3	1358.8	1362.2
5°	1406.9	1398.9	1389.7	1361.0	1349.6	1336.9	1327.8	1319.7	1316.3	1316.3	1319.7
7.5°	1415.0	1401.2	1381.7	1343.8	1323.2	1306.0	1291.0	1280.7	1275.0	1275.0	1278.4
10°	1416.1	1396.6	1365.6	1319.7	1292.2	1266.9	1249.7	1238.3	1230.2	1230.2	1232.5
12.5°	1423.0	1396.6	1356.5	1301.4	1266.9	1236.0	1215.3	1198.1	1194.6	1194.6	1196.9
15°	1434.5	1402.4	1350.7	1285.3	1244.0	1208.4	1185.5	1167.1	1160.2	1164.8	1166.0
17.5°	1444.8	1405.8	1340.4	1264.6	1215.3	1176.3	1151.0	1135.0	1125.8	1136.1	1136.1
20°	1451.7	1405.8	1325.5	1238.3	1184.3	1140.7	1116.6	1097.1	1090.2	1102.8	1104.0
22.5°	1462.0	1404.7	1309.4	1211.9	1151.0	1105.1	1081.0	1066.1	1062.7	1076.4	1081.0
25°	1473.5	1406.9	1292.2	1182.0	1114.3	1069.6	1051.2	1044.3	1046.6	1063.8	1069.6
27.5°	1486.1	1411.5	1275.0	1148.7	1074.1	1034.0	1023.7	1027.1	1036.3	1058.1	1065.0
30°	1497.6	1412.7	1250.9	1109.7	1028.2	990.4	995.0	1009.9	1023.7	1045.5	1053.5
32.5°	1512.5	1413.8	1225.6	1067.3	978.9	951.4	972.0	996.1	1009.9	1030.5	1039.7
35°	1549.3	1433.3	1206.1	1025.9	933.0	918.1	952.5	983.5	991.5	1009.9	1017.9
37.5°	1591.7	1465.5	1195.8	983.5	888.2	884.8	928.4	959.4	961.7	973.2	981.2
40°	1618.1	1479.2	1184.3	947.9	848.1	850.4	895.1	919.2	914.6	922.7	928.4
42.5°	1644.5	1483.8	1160.2	918.1	810.2	812.5	846.9	864.1	866.4	883.6	891.7
45°	1689.3	1496.5	1133.8	890.5	775.8	767.7	788.4	811.3	841.2	874.5	883.6
47.5°	1748.9	1522.9	1106.3	857.3	742.5	716.1	724.1	764.3	795.3	826.3	832.0
50°	1809.8	1549.3	1081.0	817.1	709.2	661.0	664.5	701.2	726.4	750.5	754.0
52.5°	1869.4	1572.2	1059.2	779.2	671.3	595.6	609.4	647.2	664.5	675.9	679.4
55°	1929.1	1591.7	1039.7	747.1	627.7	544.0	556.6	592.2	609.4	615.1	617.4
57.5°	1991.1	1614.7	1024.8	719.5	578.4	498.1	506.1	531.3	547.4	554.3	552.0
60°	2042.7	1634.2	1016.8	690.9	529.0	455.6	453.3	476.3	499.2	506.1	503.8
62.5°	2082.9	1646.8	1004.1	654.1	485.4	413.1	401.7	431.5	455.6	460.2	463.6
65°	2104.7	1647.9	973.2	607.1	440.7	367.2	359.2	389.0	404.0	408.5	408.5
67.5°	2101.2	1629.6	912.3	544.0	399.4	325.9	319.0	337.4	359.2	362.6	359.2
70°	2030.1	1553.8	814.8	477.4	350.0	289.2	276.6	294.9	315.6	303.0	297.2
72.5°	1828.1	1357.6	671.3	404.0	294.9	243.3	237.6	255.9	257.1	259.4	253.6
75°	1442.5	1011.0	502.6	314.4	238.7	204.3	203.1	199.7	204.3	213.5	206.6
77.5°	757.4	504.9	272.0	192.8	173.3	164.1	156.1	154.9	168.7	174.4	167.5
80°	410.8	283.5	156.1	115.9	105.6	106.7	117.1	114.8	129.7	133.1	127.4
82.5°	179.0	134.3	76.9	70.0	70.0	68.9	72.3	80.3	96.4	96.4	76.9
85°	39.0	33.3	29.8	34.4	39.0	39.0	39.0	39.0	27.5	14.9	10.3
87.5°	12.6	12.6	12.6	13.8	14.9	14.9	12.6	9.2	5.7	1.1	0.0
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)