

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: P691494

Luminaire Tested: **CRTK2-C016-D-U-T2-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691494  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C016-D-U-T2-7050-U0  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

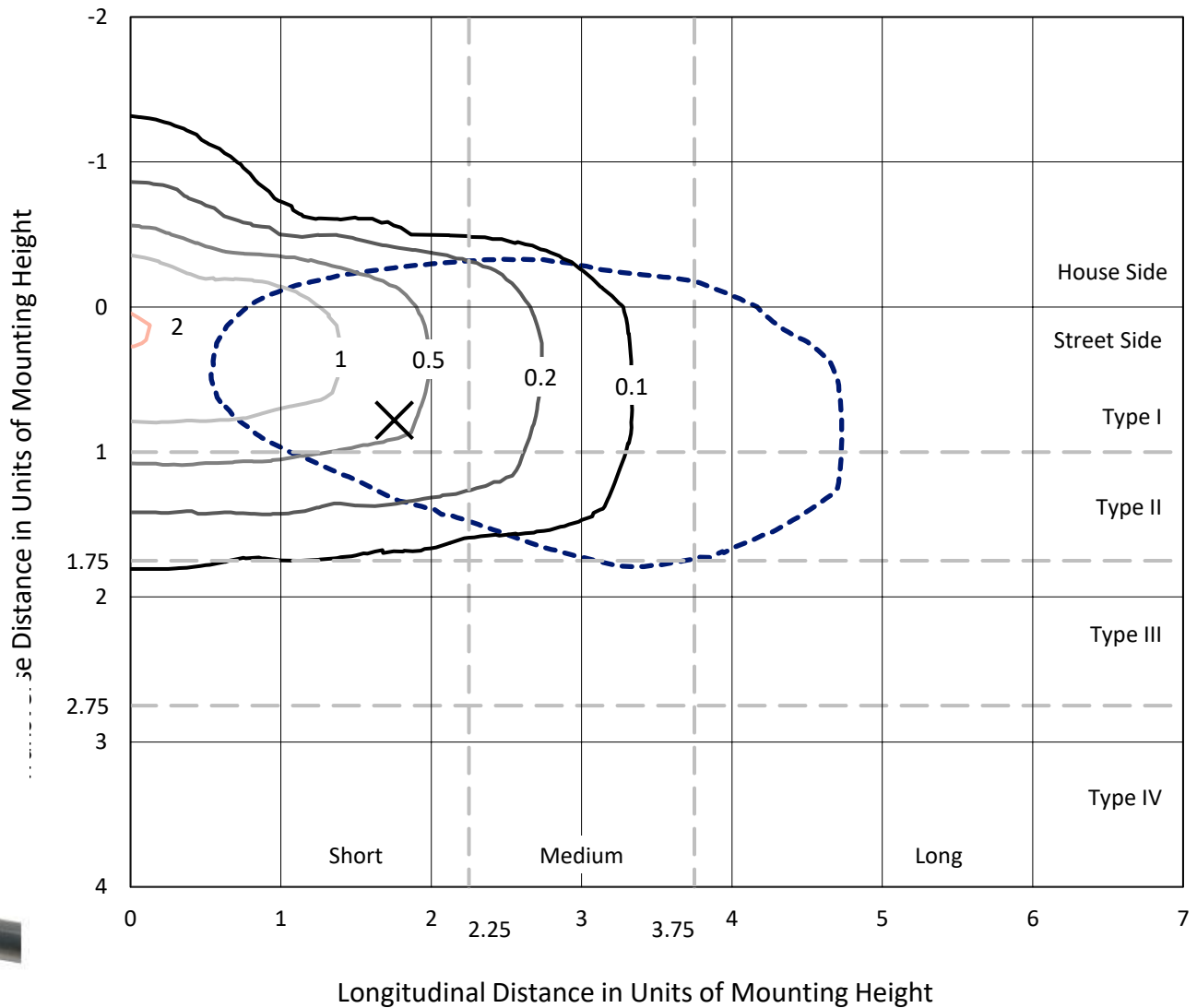
Lumens per Lamp: N/A  
Luminaire Lumens: 5758 lumens  
Efficiency: N/A  
Efficacy: 138.4 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 41.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

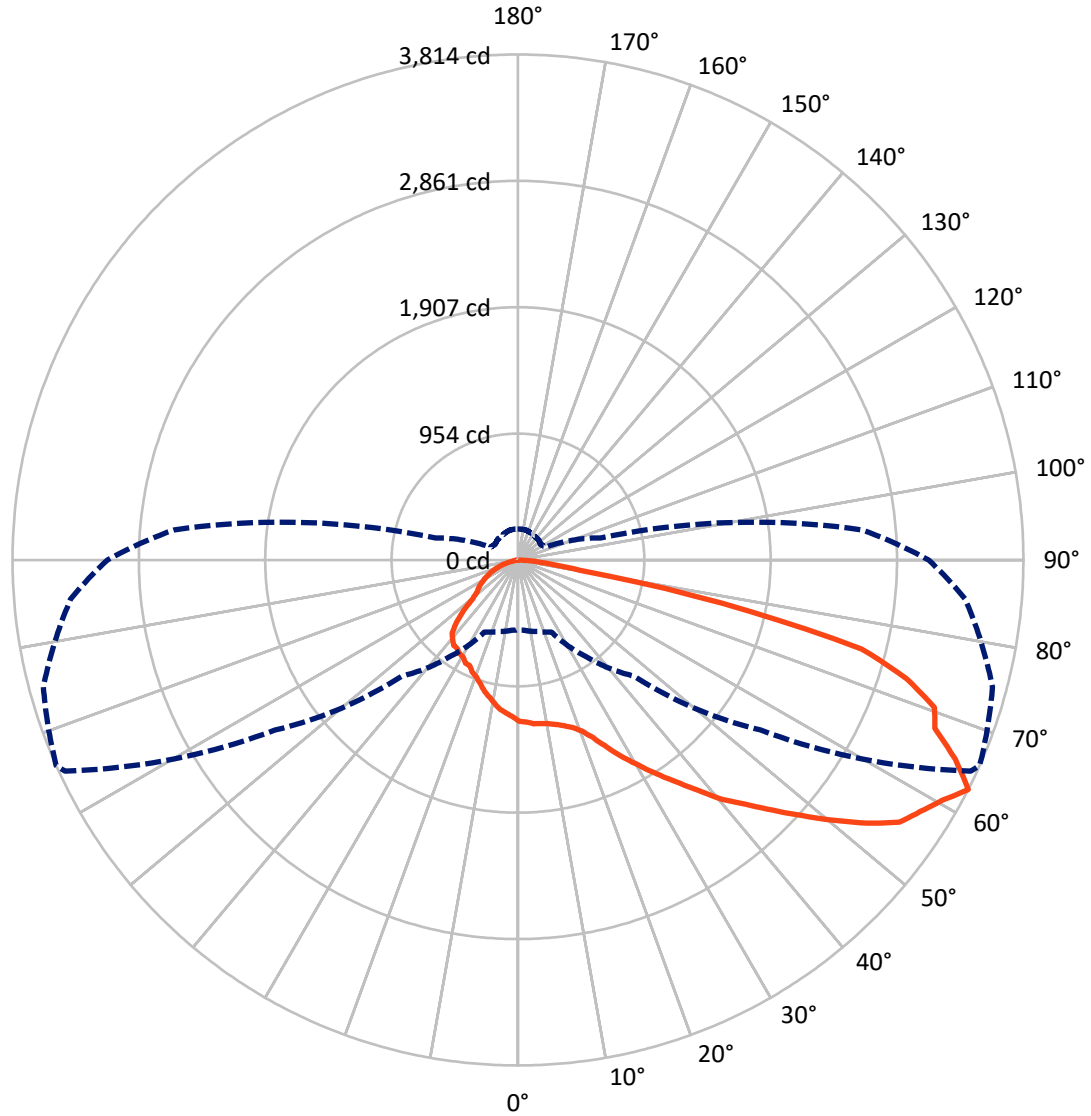
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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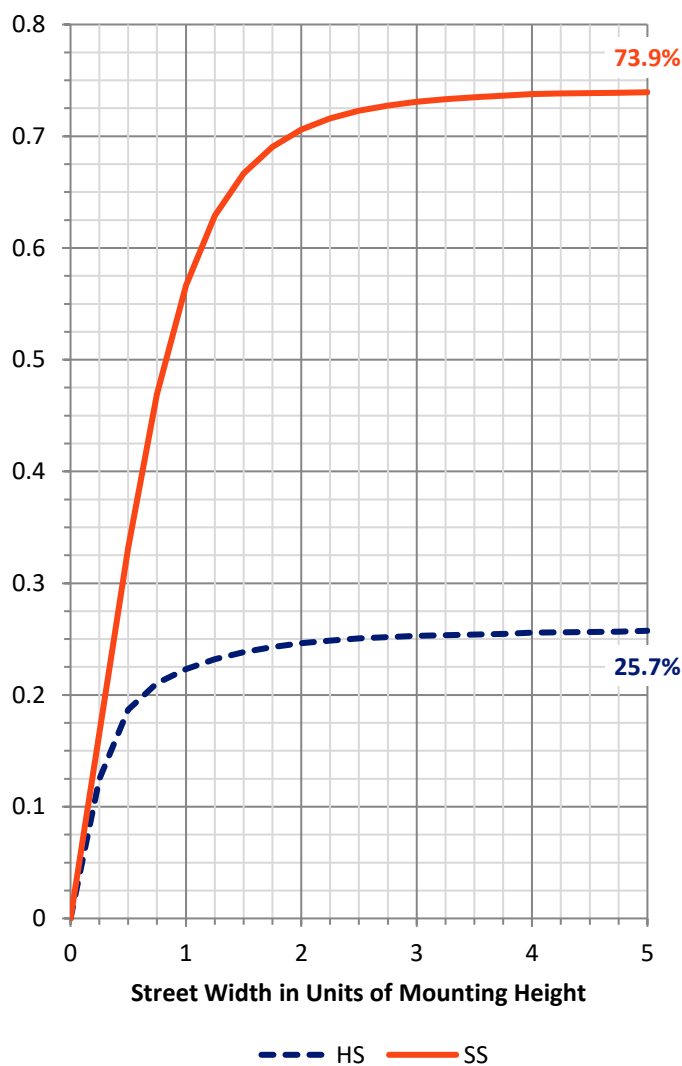
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1504.6	0.0	1504.6
	% Fixture	26.1	0.0	26.1
<b>Street Side</b>	Lumens	4253.4	0.0	4253.4
	% Fixture	73.9	0.0	73.9
<b>Total</b>	Lumens	5758.0	0.0	5758.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.9	2.0
10°-20°	323.4	5.6
20°-30°	525.1	9.1
30°-40°	757.3	13.2
40°-50°	985.0	17.1
50°-60°	1144.1	19.9
60°-70°	1132.0	19.7
70°-80°	701.1	12.2
80°-90°	76.1	1.3
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°	5758.0	100.0
0°-180°	5758.0	100.0

**Coefficient of Utilization**

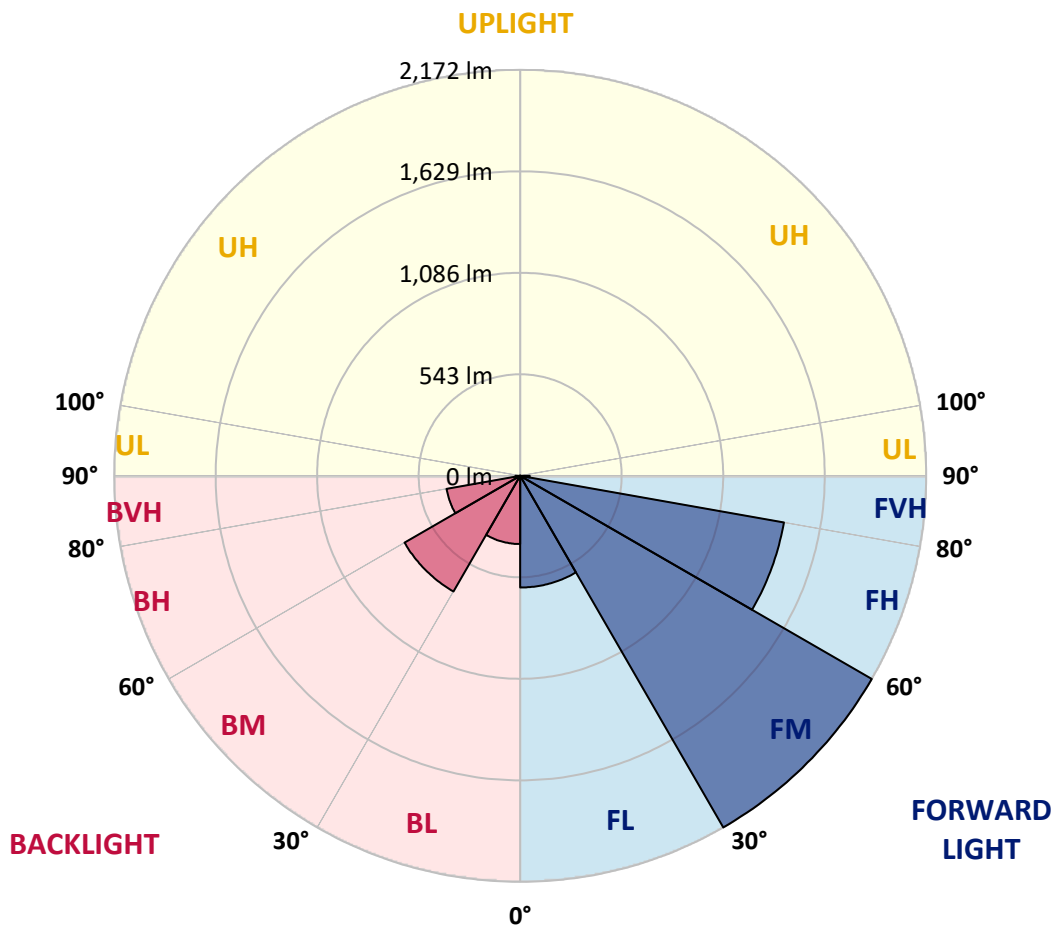


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.4	10.4			
FM (30°-60°)	2172.0	37.7			
FH (60°-80°)	1433.0	24.9			G1/1800
FVH (80°-90°)	51.1	0.9			G1/100
BL (0°-30°)	365.0	6.3	B1/500		
BM (30°-60°)	714.4	12.4	B1/1000		
BH (60°-80°)	400.1	6.9	B1/500		G1/500
BVH (80°-90°)	25.1	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°	66°	75°	85°
0°	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0
2.5°	1261.5	1261.5	1265.5	1251.6	1243.7	1237.8	1231.8	1225.9	1223.9	1218.0	1210.0
5°	1317.0	1317.0	1319.0	1305.1	1289.3	1271.4	1253.6	1241.7	1241.7	1227.9	1208.1
7.5°	1346.7	1346.7	1346.7	1330.8	1320.9	1309.1	1281.3	1247.7	1245.7	1231.8	1204.1
10°	1346.7	1346.7	1354.6	1330.8	1322.9	1311.0	1295.2	1259.5	1255.6	1223.9	1186.3
12.5°	1370.4	1374.4	1370.4	1344.7	1336.8	1326.9	1305.1	1275.4	1273.4	1231.8	1178.3
15°	1404.1	1406.1	1400.2	1382.3	1374.4	1358.6	1332.8	1301.1	1297.2	1247.7	1184.3
17.5°	1412.0	1414.0	1418.0	1396.2	1396.2	1390.3	1376.4	1338.8	1328.9	1285.3	1202.1
20°	1408.1	1410.1	1416.0	1412.0	1414.0	1410.1	1420.0	1388.3	1376.4	1328.9	1229.8
22.5°	1425.9	1429.9	1441.7	1443.7	1451.6	1459.6	1463.5	1465.5	1457.6	1402.1	1287.3
25°	1431.8	1443.7	1459.6	1481.4	1509.1	1524.9	1546.7	1568.5	1566.5	1511.1	1382.3
27.5°	1404.1	1418.0	1467.5	1501.2	1562.6	1606.1	1655.6	1685.3	1685.3	1639.8	1491.3
30°	1429.9	1435.8	1461.5	1509.1	1580.4	1679.4	1756.6	1794.3	1798.2	1768.5	1598.2
32.5°	1376.4	1390.3	1453.6	1544.7	1653.6	1762.6	1839.8	1921.0	1925.0	1915.1	1754.7
35°	1370.4	1378.4	1414.0	1511.1	1651.7	1839.8	1942.8	2045.8	2055.7	2067.6	1907.1
37.5°	1309.1	1324.9	1394.2	1515.0	1707.1	1891.3	2029.9	2188.4	2204.2	2241.8	2037.9
40°	1243.7	1255.6	1313.0	1443.7	1689.3	1956.7	2115.1	2356.7	2376.5	2408.2	2218.1
42.5°	1154.6	1178.3	1277.4	1414.0	1681.4	1976.5	2210.1	2511.2	2519.1	2574.5	2360.7
45°	1071.4	1079.3	1154.6	1311.0	1612.1	2006.2	2281.4	2685.4	2691.4	2727.0	2479.5
47.5°	1004.1	1014.0	1091.2	1223.9	1548.7	1998.2	2352.7	2853.8	2881.5	2921.1	2624.1
50°	796.1	817.9	1021.9	1148.6	1439.8	1984.4	2410.2	3055.8	3087.5	3125.1	2778.5
52.5°	687.2	697.1	800.1	1073.4	1332.8	1925.0	2463.6	3261.7	3299.4	3279.6	2974.6
55°	639.7	645.6	693.1	924.9	1237.8	1812.1	2503.2	3453.8	3493.5	3398.4	3129.1
57.5°	606.0	613.9	641.7	756.5	1130.8	1614.0	2507.2	3566.7	3580.6	3497.4	3192.4
60°	560.5	566.4	606.0	661.5	1006.1	1406.1	2435.9	3616.2	3681.6	3602.4	3335.0
62.5°	526.8	532.7	558.5	600.1	885.2	1239.7	2237.9	3770.7	3814.3	3707.3	3388.5
65°	487.2	487.2	512.9	554.5	808.0	1138.7	2134.9	3721.2	3626.1	3677.6	3453.8
67.5°	429.8	433.7	459.5	493.1	677.3	1041.7	1881.4	3491.5	3392.5	3535.0	3281.6
70°	382.2	378.3	406.0	431.7	554.5	918.9	1558.6	3253.8	3335.0	3319.2	3123.1
72.5°	318.8	314.9	338.7	366.4	447.6	762.5	1231.8	3020.1	3067.7	2968.6	2770.6
75°	247.6	223.8	257.5	293.1	352.5	604.0	873.4	2501.3	2679.5	2798.3	2362.6
77.5°	39.6	39.6	49.5	69.3	114.9	307.0	390.1	1374.4	1576.4	2382.4	2071.5
80°	31.7	31.7	35.6	47.5	69.3	168.3	130.7	425.8	475.3	1027.8	1192.2
82.5°	17.8	17.8	25.7	31.7	43.6	51.5	57.4	207.9	231.7	364.4	461.4
85°	9.9	9.9	13.9	15.8	17.8	17.8	17.8	95.1	106.9	194.1	209.9
87.5°	5.9	5.9	5.9	5.9	5.9	4.0	2.0	2.0	2.0	2.0	2.0
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°	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0	1218.0
2.5°	1206.1	1200.1	1190.2	1182.3	1176.4	1170.4	1160.5	1154.6	1154.6	1164.5	1166.5
5°	1196.2	1182.3	1164.5	1156.6	1146.7	1136.8	1120.9	1113.0	1111.0	1117.0	1120.9
7.5°	1188.3	1168.4	1150.6	1130.8	1101.1	1075.4	1061.5	1051.6	1055.6	1065.5	1061.5
10°	1164.5	1146.7	1118.9	1089.2	1053.6	1031.8	1010.0	998.1	1000.1	1006.1	1000.1
12.5°	1154.6	1130.8	1085.3	1049.6	1017.9	976.3	948.6	930.8	930.8	940.7	940.7
15°	1154.6	1118.9	1057.5	1014.0	964.5	922.9	891.2	875.3	885.2	879.3	875.3
17.5°	1164.5	1109.0	1039.7	966.4	907.0	865.4	827.8	806.0	812.0	815.9	812.0
20°	1176.4	1109.0	1017.9	928.8	859.5	800.1	758.5	734.7	732.8	734.7	738.7
22.5°	1216.0	1134.8	1004.1	905.1	800.1	742.7	701.1	659.5	657.5	655.5	659.5
25°	1283.3	1182.3	1014.0	861.5	766.4	681.3	629.8	594.1	582.2	580.3	584.2
27.5°	1394.2	1265.5	1029.8	855.5	705.0	627.8	564.4	524.8	512.9	516.9	514.9
30°	1515.0	1372.4	1075.4	814.0	669.4	548.6	489.2	455.5	443.6	435.7	437.7
32.5°	1604.1	1479.4	1132.8	800.1	600.1	463.4	419.8	400.0	386.2	376.3	374.3
35°	1744.7	1570.5	1184.3	768.4	538.7	408.0	372.3	350.5	342.6	336.7	336.7
37.5°	1879.4	1681.4	1235.8	758.5	459.5	370.3	326.8	312.9	308.9	305.0	305.0
40°	2014.1	1794.3	1265.5	718.9	396.1	324.8	283.2	281.2	287.2	283.2	285.2
42.5°	2180.4	1911.1	1295.2	681.3	350.5	277.3	253.5	269.3	281.2	283.2	283.2
45°	2295.3	1990.3	1307.1	590.2	303.0	241.6	247.6	265.4	279.2	285.2	283.2
47.5°	2400.3	2097.3	1289.3	479.3	263.4	235.7	245.6	257.5	277.3	285.2	285.2
50°	2503.2	2186.4	1273.4	354.5	249.5	237.7	245.6	251.5	273.3	281.2	281.2
52.5°	2647.8	2257.7	1219.9	297.1	237.7	239.6	251.5	249.5	267.4	279.2	283.2
55°	2847.8	2424.0	1117.0	281.2	235.7	237.7	251.5	251.5	263.4	273.3	279.2
57.5°	2937.0	2495.3	942.7	265.4	229.7	235.7	245.6	247.6	261.4	267.4	265.4
60°	3038.0	2584.4	772.4	247.6	219.8	231.7	235.7	243.6	253.5	253.5	251.5
62.5°	3099.4	2606.2	643.6	227.7	207.9	217.8	217.8	225.8	233.7	233.7	233.7
65°	3129.1	2584.4	481.2	209.9	194.1	202.0	200.0	204.0	209.9	200.0	200.0
67.5°	3012.2	2503.2	332.7	186.2	178.2	186.2	184.2	186.2	184.2	176.3	178.2
70°	2812.2	2275.5	229.7	158.4	156.5	170.3	172.3	168.3	156.5	150.5	150.5
72.5°	2560.7	1825.9	158.4	126.7	132.7	150.5	154.5	146.6	134.7	128.7	128.7
75°	2323.0	1578.4	112.9	87.1	89.1	114.9	122.8	122.8	118.8	158.4	168.3
77.5°	1616.0	1021.9	65.4	45.5	43.6	65.4	75.3	77.2	148.5	160.4	156.5
80°	958.5	481.2	47.5	27.7	27.7	37.6	51.5	101.0	170.3	114.9	103.0
82.5°	366.4	184.2	29.7	17.8	15.8	19.8	29.7	156.5	99.0	65.4	59.4
85°	132.7	45.5	13.9	9.9	9.9	11.9	17.8	132.7	69.3	49.5	47.5
87.5°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	4.0	4.0	4.0	2.0
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)