

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: P691434

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C016-5TLD-U-T3-7050-U0  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

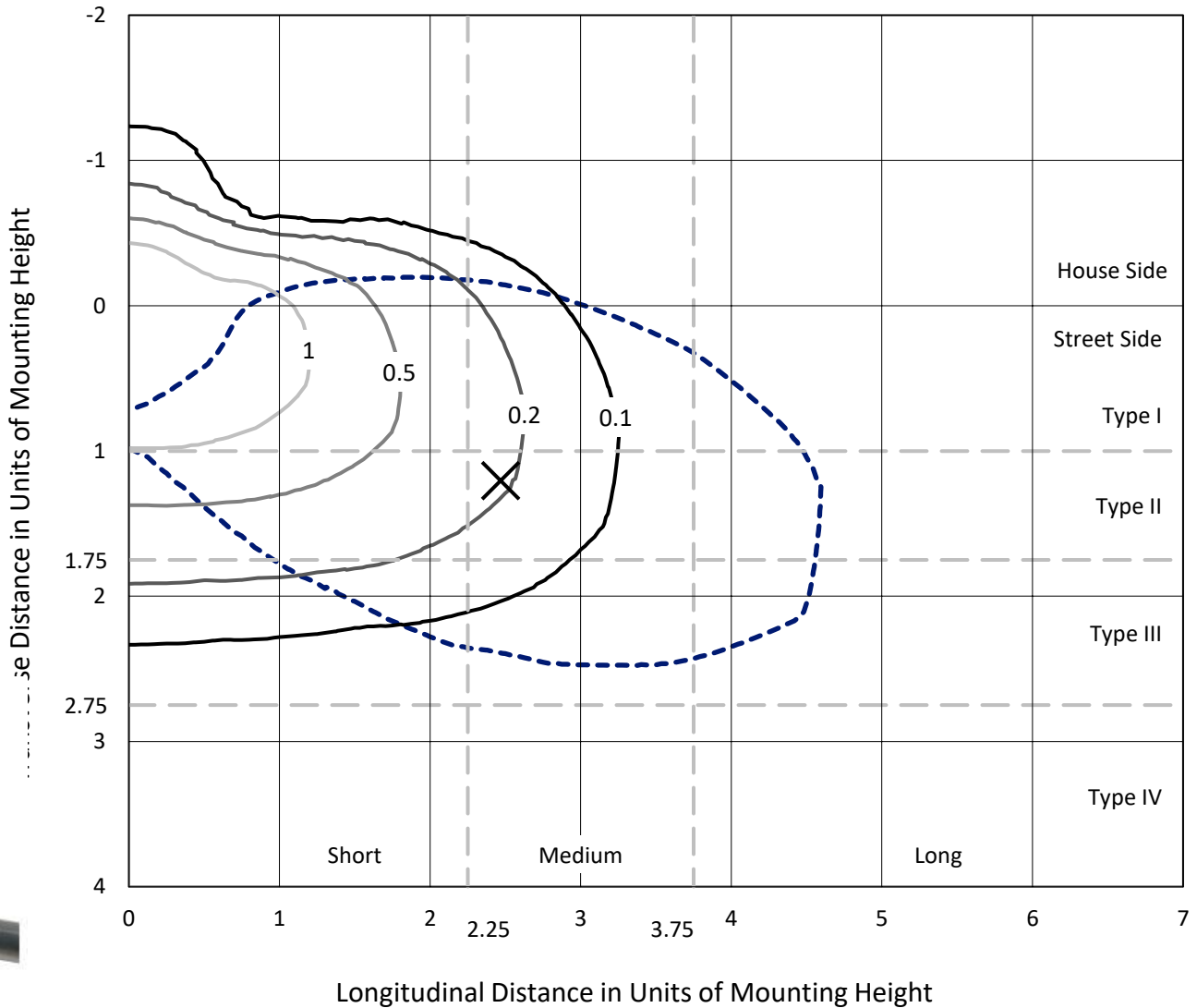
Lumens per Lamp: N/A  
Luminaire Lumens: 6120 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 42.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



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### Iso-Footcandle Lines of Horizontal Illumination

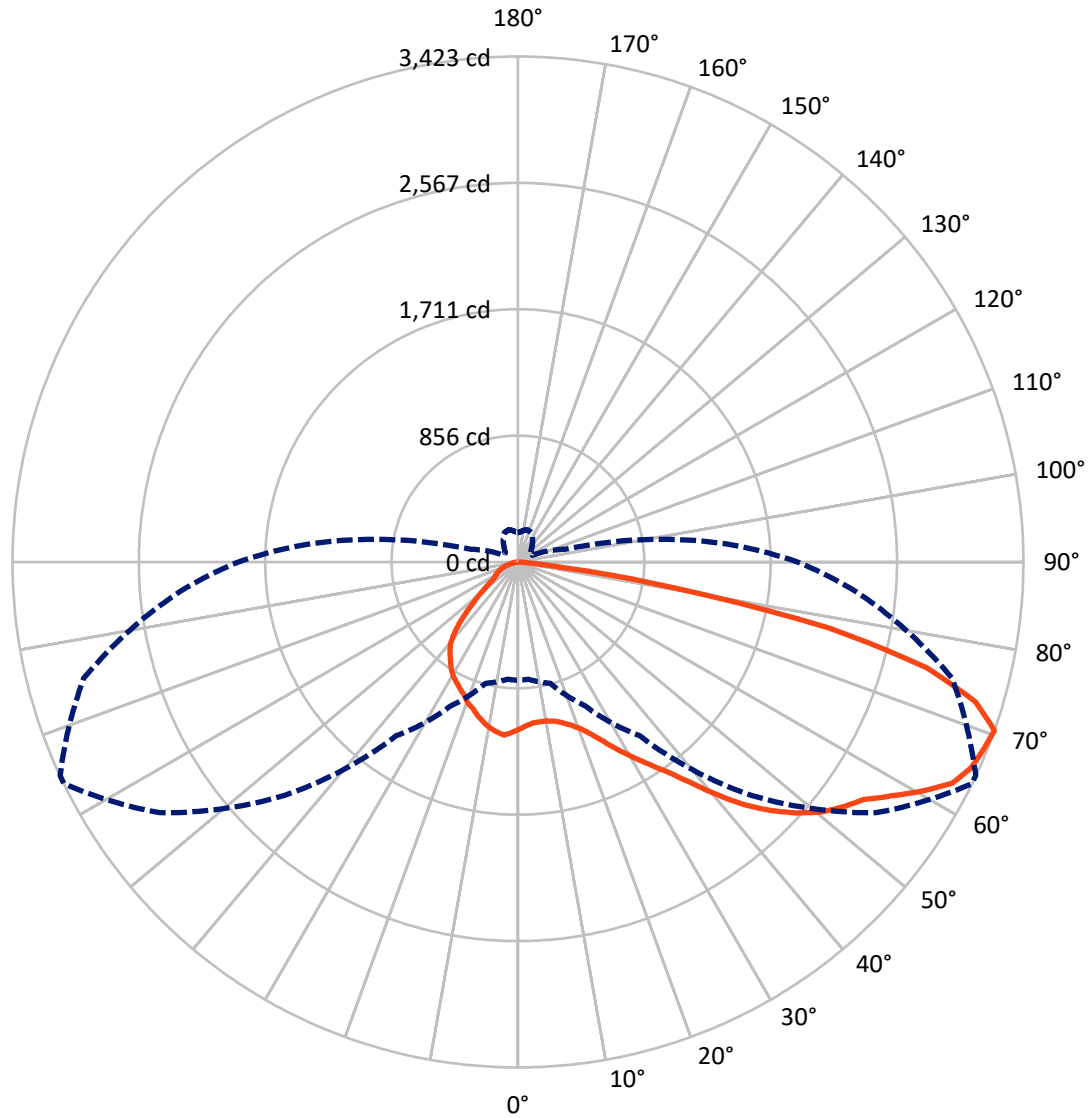
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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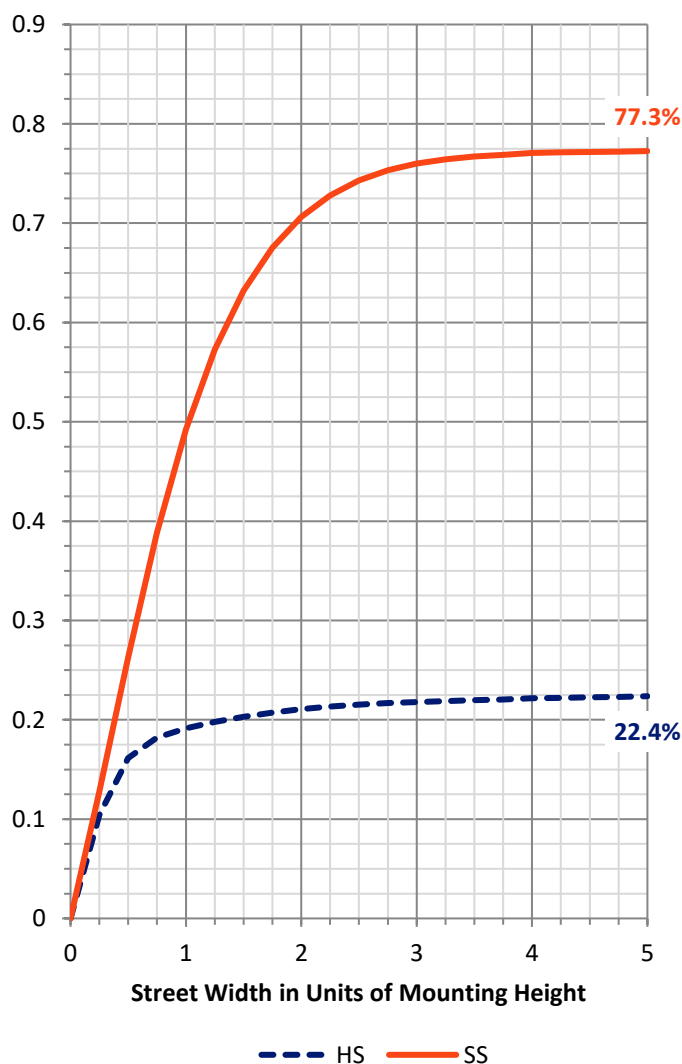
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1390.3	0.0	1390.3
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	4729.8	0.0	4729.8
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	6120.0	0.0	6120.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.9	1.8
10°-20°	319.2	5.2
20°-30°	529.8	8.7
30°-40°	757.8	12.4
40°-50°	1011.9	16.5
50°-60°	1222.9	20.0
60°-70°	1301.5	21.3
70°-80°	799.5	13.1
80°-90°	68.5	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°	6120.0	100.0
0°-180°	6120.0	100.0

**Coefficient of Utilization**

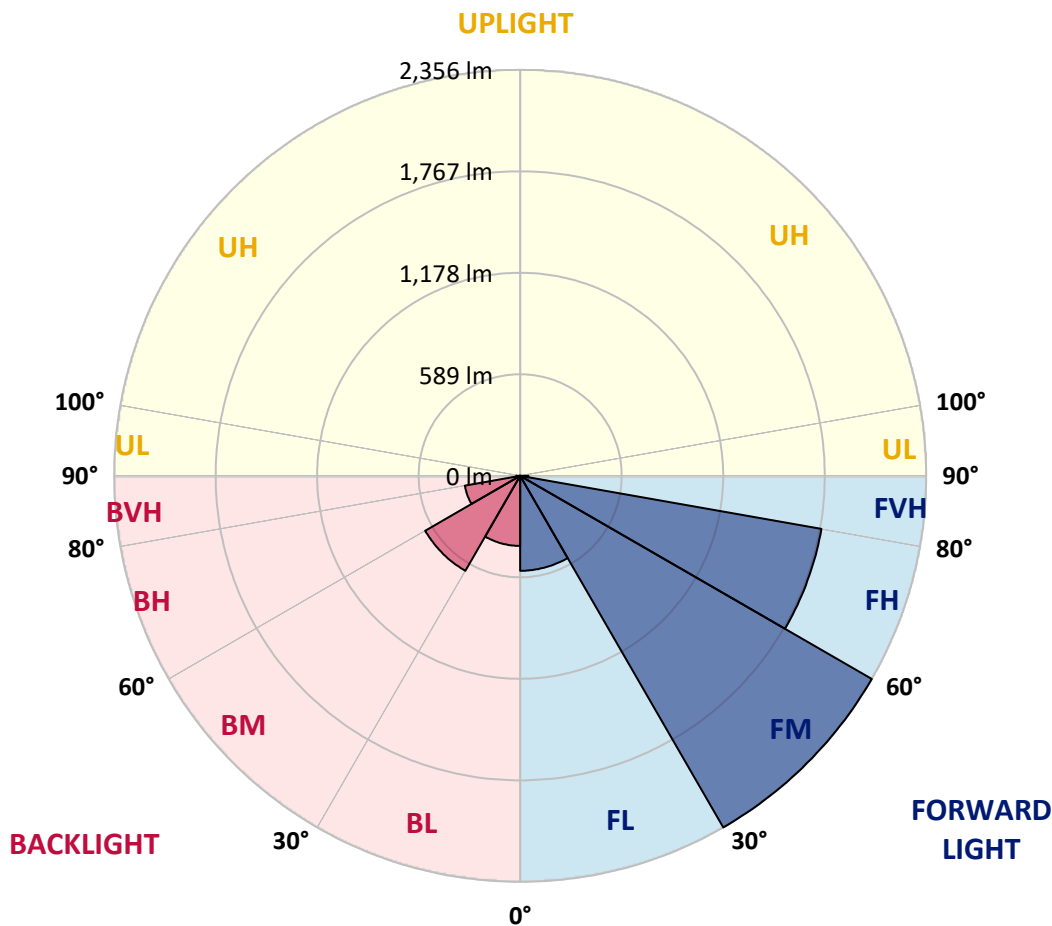


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.1	9.0			
FM (30°-60°)	2356.1	38.5			
FH (60°-80°)	1775.0	29.0			G1/1800
FVH (80°-90°)	47.6	0.8			G1/100
BL (0°-30°)	406.7	6.6	B1/500		
BM (30°-60°)	636.5	10.4	B1/1000		
BH (60°-80°)	326.1	5.3	B1/500		G1/500
BVH (80°-90°)	20.9	0.3			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9
2.5°	1104.9	1104.9	1104.9	1104.9	1106.9	1109.0	1106.9	1109.0	1109.0	1113.2	1119.4
5°	1123.6	1123.6	1119.4	1111.1	1104.9	1096.5	1092.4	1094.5	1094.5	1104.9	1121.5
7.5°	1129.8	1129.8	1125.7	1125.7	1119.4	1100.7	1094.5	1092.4	1094.5	1098.6	1121.5
10°	1161.0	1159.0	1148.6	1136.1	1127.7	1111.1	1096.5	1094.5	1096.5	1102.8	1127.7
12.5°	1194.3	1194.3	1190.2	1179.8	1156.9	1140.2	1115.3	1106.9	1104.9	1111.1	1125.7
15°	1260.9	1252.6	1235.9	1221.4	1204.7	1177.7	1144.4	1129.8	1125.7	1134.0	1127.7
17.5°	1300.4	1294.2	1296.3	1273.4	1258.8	1221.4	1188.1	1161.0	1159.0	1167.3	1140.2
20°	1344.1	1342.1	1346.2	1344.1	1321.3	1288.0	1235.9	1202.7	1198.5	1200.6	1159.0
22.5°	1410.7	1410.7	1408.6	1408.6	1396.2	1356.6	1298.4	1265.1	1258.8	1244.3	1190.2
25°	1483.5	1483.5	1483.5	1487.7	1487.7	1441.9	1383.7	1346.2	1342.1	1321.3	1242.2
27.5°	1552.2	1556.4	1558.5	1560.5	1566.8	1546.0	1481.5	1437.8	1435.7	1408.6	1310.9
30°	1606.3	1608.4	1627.1	1631.3	1643.8	1637.5	1575.1	1533.5	1537.6	1502.3	1387.8
32.5°	1654.2	1656.2	1683.3	1697.9	1712.4	1714.5	1662.5	1633.4	1633.4	1602.2	1481.5
35°	1699.9	1702.0	1735.3	1770.7	1799.8	1791.5	1762.4	1745.7	1752.0	1741.6	1610.5
37.5°	1739.5	1747.8	1791.5	1843.5	1876.8	1883.0	1870.6	1893.5	1905.9	1922.6	1785.3
40°	1776.9	1781.1	1822.7	1876.8	1933.0	1962.1	1976.7	2070.3	2082.8	2095.3	1885.1
42.5°	1741.6	1749.9	1839.4	1920.5	1991.2	2041.2	2109.8	2247.2	2274.2	2205.6	2020.4
45°	1699.9	1710.3	1799.8	1937.1	2037.0	2128.6	2255.5	2401.1	2422.0	2317.9	2093.2
47.5°	1664.6	1677.1	1768.6	1922.6	2084.9	2247.2	2374.1	2538.5	2551.0	2413.6	2193.1
50°	1625.0	1635.4	1733.2	1903.9	2109.8	2355.4	2498.9	2663.3	2667.5	2492.7	2245.1
52.5°	1573.0	1583.4	1683.3	1874.7	2128.6	2428.2	2603.0	2754.9	2738.2	2594.7	2305.4
55°	1506.4	1521.0	1629.2	1835.2	2139.0	2471.9	2673.7	2840.2	2831.9	2715.3	2384.5
57.5°	1435.7	1450.3	1560.5	1781.1	2128.6	2498.9	2746.5	2987.9	2985.8	2813.1	2442.8
60°	1356.6	1369.1	1462.7	1710.3	2072.4	2542.6	2906.8	3148.1	3164.8	2923.4	2465.6
62.5°	1252.6	1254.7	1348.3	1608.4	1999.6	2573.8	3021.2	3300.0	3289.6	2996.2	2469.8
65°	1115.3	1121.5	1204.7	1466.9	1881.0	2548.9	3050.3	3368.7	3368.7	3050.3	2465.6
67.5°	982.1	980.0	1050.8	1290.0	1697.9	2438.6	3025.4	3397.8	3412.4	3085.7	2411.5
70°	801.1	796.9	851.0	1073.6	1435.7	2234.7	2960.9	3422.8	3420.7	3044.1	2297.1
72.5°	593.0	590.9	628.4	813.6	1098.6	1912.2	2769.4	3239.7	3218.9	2844.3	2074.5
75°	328.8	312.1	310.0	503.5	638.8	1340.0	2353.3	2856.8	2865.1	2513.5	1737.4
77.5°	47.9	49.9	52.0	91.6	110.3	501.5	1529.3	2153.5	2149.4	1939.2	1267.2
80°	33.3	35.4	37.5	45.8	52.0	118.6	528.5	1086.1	1148.6	1019.6	584.7
82.5°	25.0	25.0	27.0	31.2	29.1	54.1	164.4	301.7	312.1	283.0	172.7
85°	16.6	16.6	14.6	16.6	10.4	14.6	37.5	56.2	60.3	58.3	47.9
87.5°	8.3	8.3	6.2	6.2	4.2	4.2	4.2	2.1	4.2	2.1	4.2
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°	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9
2.5°	1125.7	1129.8	1142.3	1152.7	1165.2	1179.8	1188.1	1196.4	1204.7	1200.6	1206.8
5°	1129.8	1138.2	1156.9	1175.6	1186.0	1188.1	1190.2	1196.4	1208.9	1208.9	1219.3
7.5°	1134.0	1148.6	1148.6	1159.0	1173.5	1177.7	1179.8	1183.9	1190.2	1192.2	1190.2
10°	1134.0	1127.7	1138.2	1140.2	1134.0	1144.4	1150.6	1148.6	1154.8	1156.9	1156.9
12.5°	1121.5	1119.4	1111.1	1111.1	1109.0	1092.4	1092.4	1109.0	1109.0	1119.4	1121.5
15°	1121.5	1104.9	1094.5	1079.9	1065.3	1059.1	1050.8	1038.3	1042.4	1057.0	1061.2
17.5°	1119.4	1100.7	1069.5	1040.4	1030.0	1005.0	996.7	996.7	994.6	1002.9	1005.0
20°	1127.7	1100.7	1052.8	1019.6	963.4	955.0	938.4	940.5	942.6	930.1	923.8
22.5°	1150.6	1117.3	1040.4	975.9	932.2	894.7	863.5	842.7	840.6	834.4	840.6
25°	1186.0	1146.5	1042.4	950.9	880.1	826.0	805.2	755.3	732.4	734.5	747.0
27.5°	1250.5	1181.8	1052.8	923.8	838.5	761.5	695.0	663.7	638.8	638.8	642.9
30°	1310.9	1235.9	1048.7	900.9	774.0	678.3	593.0	543.1	534.7	526.4	524.3
32.5°	1423.2	1304.6	1090.3	867.7	713.7	572.2	486.9	418.2	424.5	426.5	430.7
35°	1535.6	1414.9	1098.6	826.0	626.3	466.1	376.6	339.2	355.8	360.0	364.1
37.5°	1685.4	1552.2	1154.8	788.6	536.8	357.9	299.6	283.0	299.6	299.6	301.7
40°	1766.5	1616.7	1200.6	751.1	420.3	264.3	235.1	222.6	243.4	260.1	264.3
42.5°	1881.0	1699.9	1242.2	676.2	297.5	197.7	181.0	206.0	239.3	255.9	258.0
45°	1939.2	1741.6	1227.6	576.4	195.6	160.2	176.9	208.1	241.4	258.0	260.1
47.5°	2018.3	1799.8	1198.5	459.8	156.1	158.1	178.9	214.3	247.6	262.2	264.3
50°	2095.3	1860.2	1123.6	366.2	149.8	158.1	183.1	216.4	245.5	255.9	253.8
52.5°	2139.0	1916.3	1027.9	278.8	149.8	160.2	187.3	220.6	243.4	245.5	245.5
55°	2178.5	1922.6	948.8	216.4	147.7	162.3	191.4	224.7	245.5	245.5	241.4
57.5°	2203.5	1897.6	888.5	187.3	147.7	162.3	191.4	224.7	255.9	262.2	255.9
60°	2193.1	1849.8	846.9	174.8	143.6	160.2	189.3	231.0	314.2	328.8	316.3
62.5°	2168.1	1822.7	757.4	160.2	137.3	154.0	185.2	249.7	337.1	339.2	328.8
65°	2145.2	1733.2	649.2	143.6	129.0	147.7	178.9	253.8	285.1	274.7	272.6
67.5°	2041.2	1616.7	495.2	126.9	116.5	139.4	172.7	233.0	253.8	241.4	237.2
70°	1893.5	1412.8	330.8	108.2	104.0	129.0	172.7	218.5	226.8	206.0	197.7
72.5°	1623.0	1169.4	181.0	87.4	87.4	118.6	156.1	203.9	210.2	185.2	170.6
75°	1321.3	846.9	116.5	66.6	66.6	99.9	141.5	193.5	206.0	178.9	160.2
77.5°	909.3	464.0	81.1	47.9	43.7	77.0	112.4	158.1	183.1	154.0	131.1
80°	307.9	122.8	52.0	31.2	27.0	43.7	74.9	122.8	166.5	158.1	141.5
82.5°	120.7	77.0	35.4	20.8	18.7	20.8	37.5	77.0	133.2	143.6	166.5
85°	35.4	20.8	12.5	10.4	10.4	10.4	10.4	31.2	79.1	104.0	131.1
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	18.7	33.3	43.7
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)