

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: P691678

Luminaire Tested: **CRTK2-C018-D-U-T2-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691678  
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-C018-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**

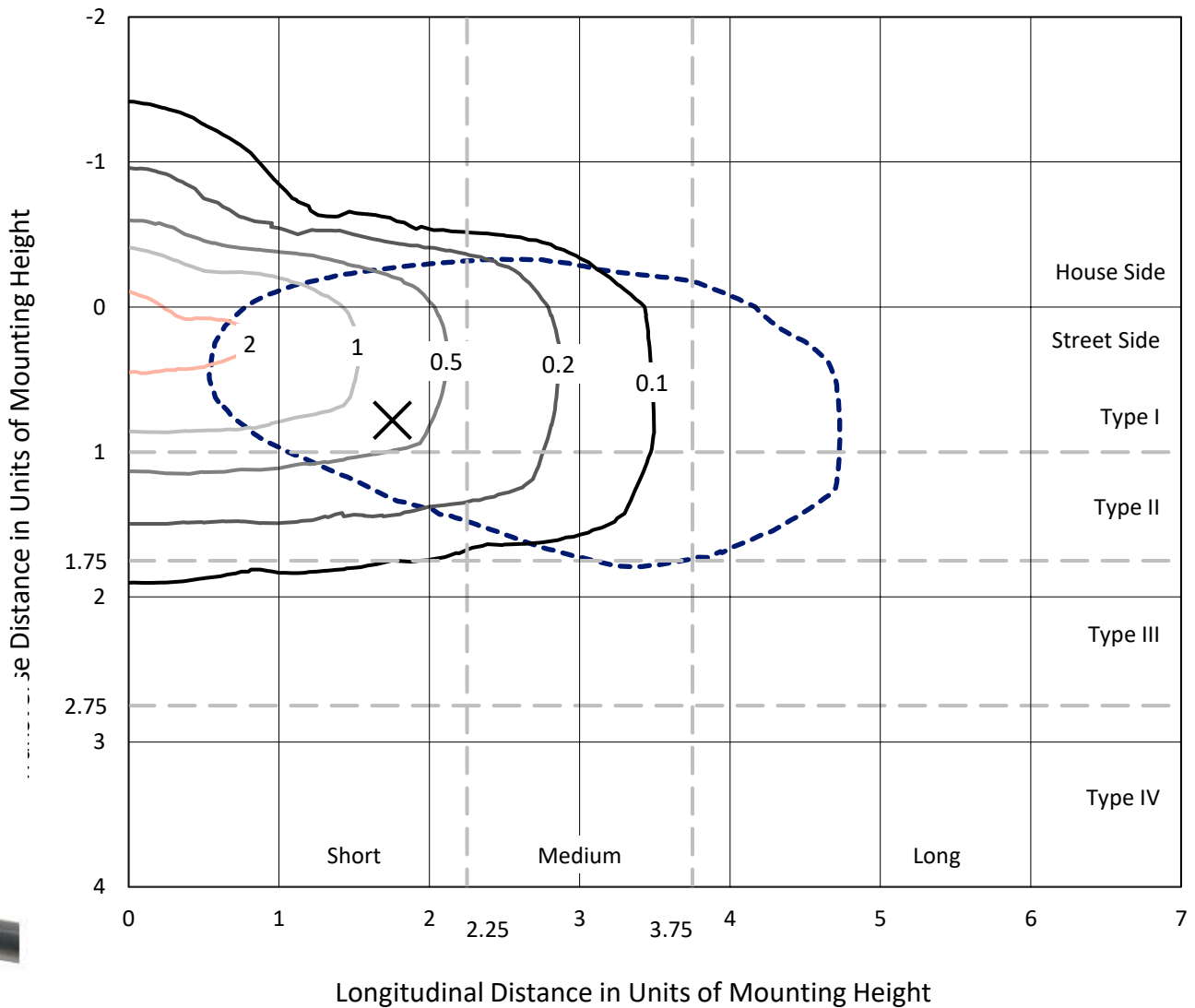
Lumens per Lamp: N/A  
Luminaire Lumens: 6717 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 50.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

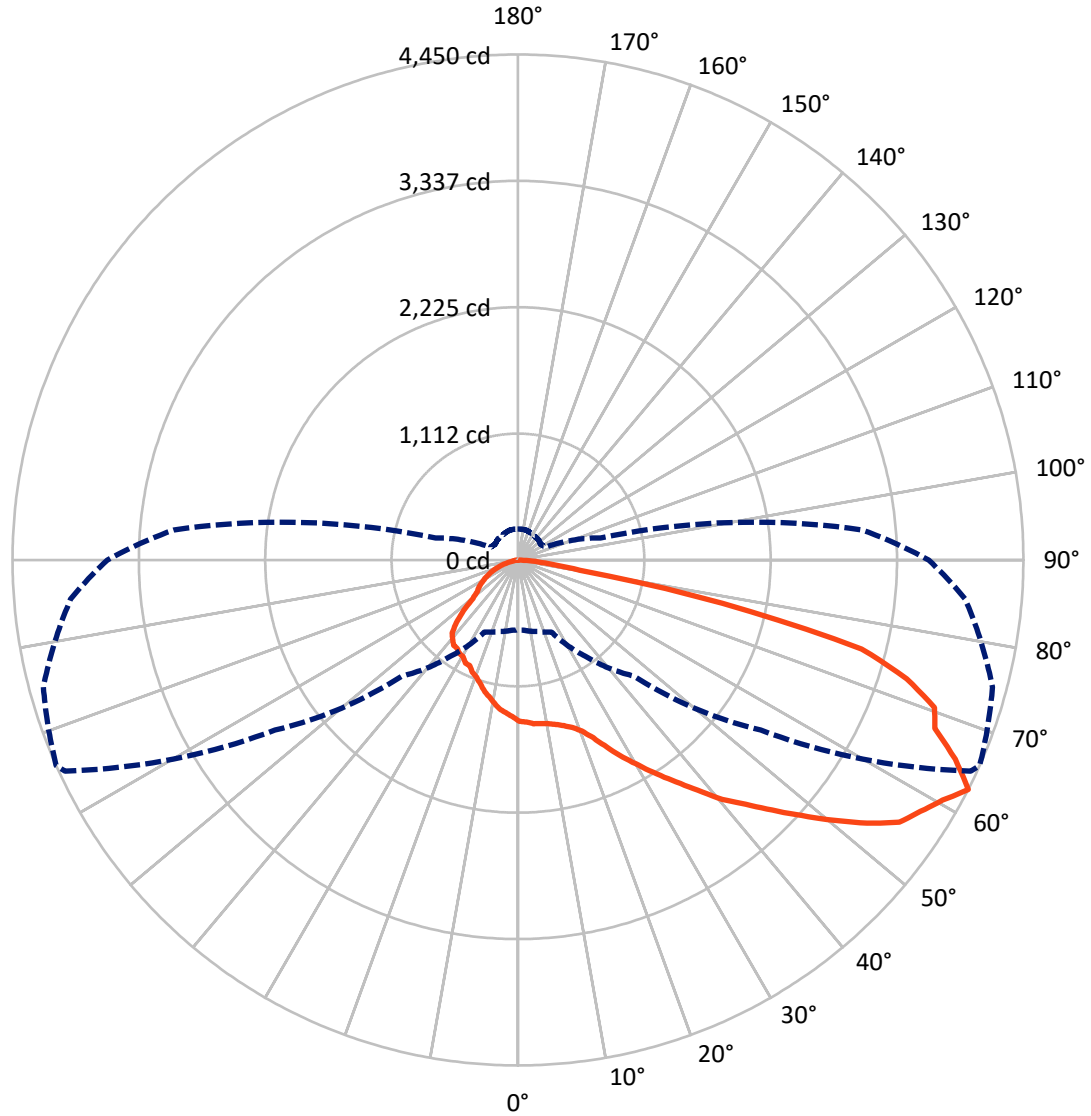
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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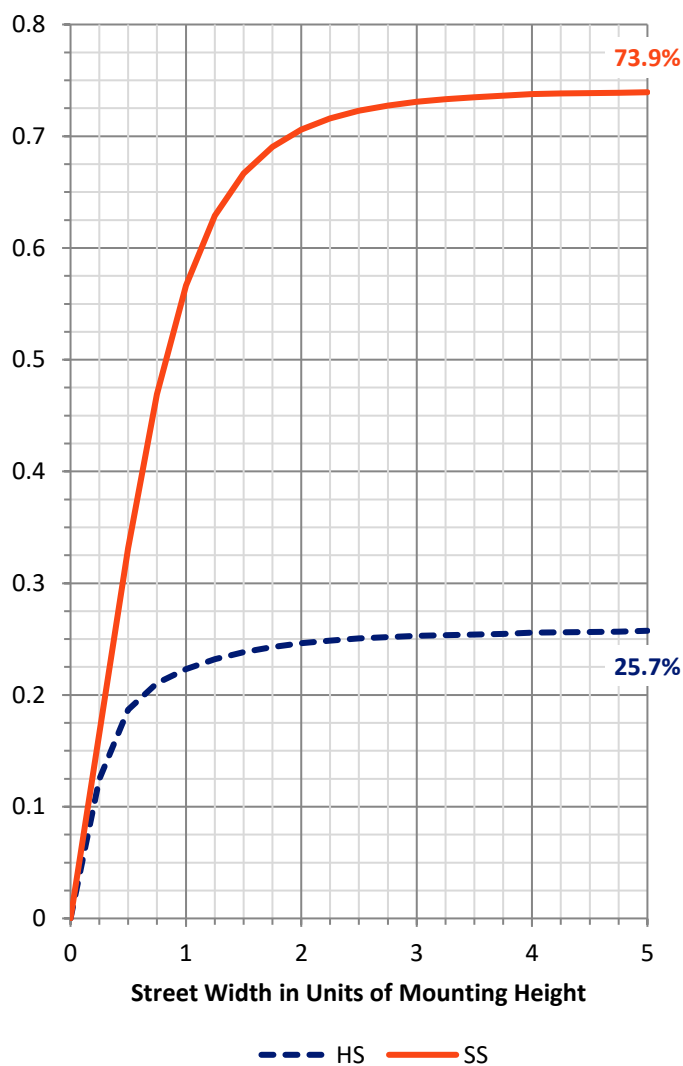
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1755.1	0.0	1755.1
	% Fixture	26.1	0.0	26.1
<b>Street Side</b>	Lumens	4961.9	0.0	4961.9
	% Fixture	73.9	0.0	73.9
<b>Total</b>	Lumens	6717.0	0.0	6717.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.9	2.0
10°-20°	377.2	5.6
20°-30°	612.5	9.1
30°-40°	883.4	13.2
40°-50°	1149.1	17.1
50°-60°	1334.7	19.9
60°-70°	1320.5	19.7
70°-80°	817.9	12.2
80°-90°	88.8	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°	6717.0	100.0
0°-180°	6717.0	100.0

**Coefficient of Utilization**

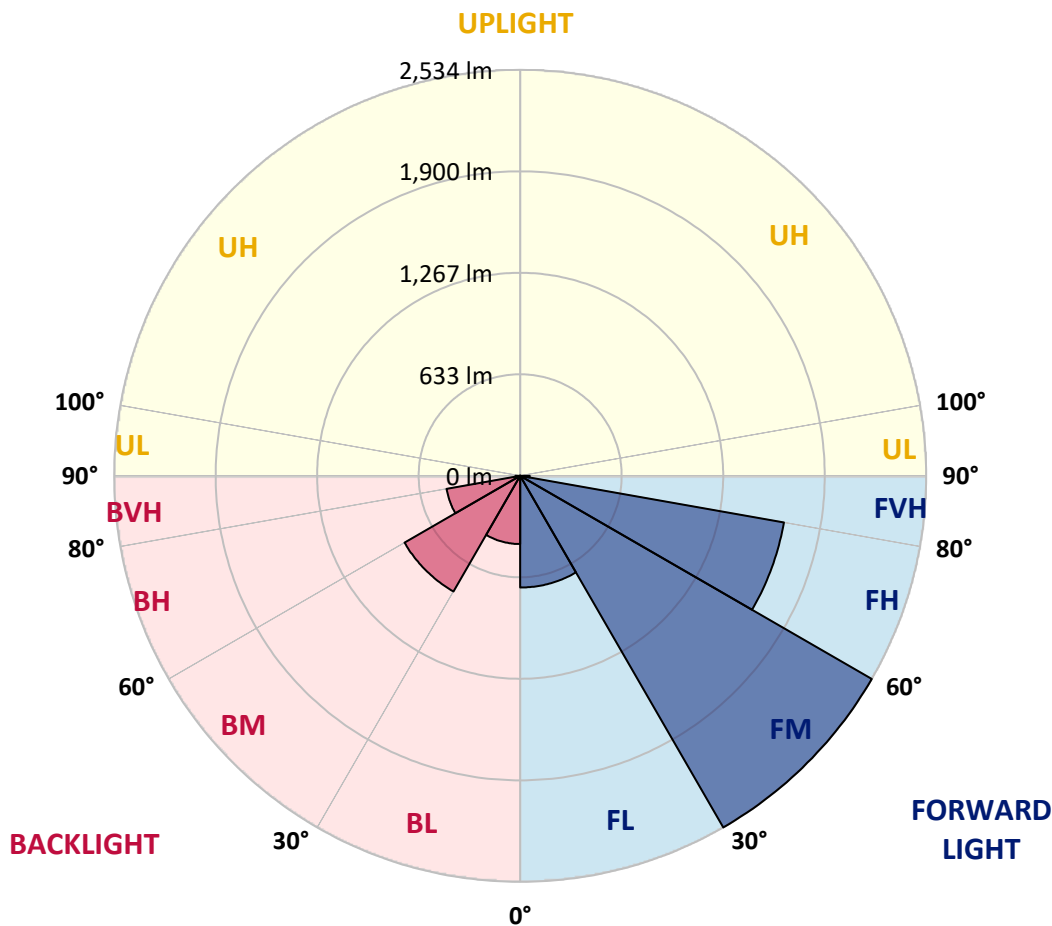


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	696.9	10.4			
FM (30°-60°)	2533.8	37.7			
FH (60°-80°)	1671.7	24.9			G1/1800
FVH (80°-90°)	59.6	0.9			G1/100
BL (0°-30°)	425.8	6.3	B1/500		
BM (30°-60°)	833.4	12.4	B1/1000		
BH (60°-80°)	466.8	6.9	B1/500		G1/500
BVH (80°-90°)	29.3	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°	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8
2.5°	1471.6	1471.6	1476.3	1460.1	1450.8	1443.9	1437.0	1430.1	1427.7	1420.8	1411.6
5°	1536.3	1536.3	1538.6	1522.5	1504.0	1483.2	1462.4	1448.5	1448.5	1432.4	1409.3
7.5°	1571.0	1571.0	1571.0	1552.5	1540.9	1527.1	1494.7	1455.5	1453.2	1437.0	1404.6
10°	1571.0	1571.0	1580.2	1552.5	1543.3	1529.4	1510.9	1469.3	1464.7	1427.7	1383.8
12.5°	1598.7	1603.3	1598.7	1568.7	1559.4	1547.9	1522.5	1487.8	1485.5	1437.0	1374.6
15°	1638.0	1640.3	1633.4	1612.6	1603.3	1584.8	1554.8	1517.8	1513.2	1455.5	1381.5
17.5°	1647.2	1649.5	1654.1	1628.7	1628.7	1621.8	1605.6	1561.7	1550.2	1499.4	1402.3
20°	1642.6	1644.9	1651.8	1647.2	1649.5	1644.9	1656.5	1619.5	1605.6	1550.2	1434.7
22.5°	1663.4	1668.0	1681.9	1684.2	1693.4	1702.7	1707.3	1709.6	1700.4	1635.7	1501.7
25°	1670.3	1684.2	1702.7	1728.1	1760.4	1778.9	1804.3	1829.7	1827.4	1762.7	1612.6
27.5°	1638.0	1654.1	1711.9	1751.2	1822.8	1873.6	1931.4	1966.0	1966.0	1912.9	1739.6
30°	1668.0	1674.9	1705.0	1760.4	1843.6	1959.1	2049.2	2093.1	2097.7	2063.1	1864.4
32.5°	1605.6	1621.8	1695.7	1802.0	1929.1	2056.1	2146.2	2241.0	2245.6	2234.0	2046.9
35°	1598.7	1607.9	1649.5	1762.7	1926.8	2146.2	2266.4	2386.5	2398.0	2411.9	2224.8
37.5°	1527.1	1545.6	1626.4	1767.3	1991.4	2206.3	2368.0	2552.8	2571.3	2615.2	2377.3
40°	1450.8	1464.7	1531.7	1684.2	1970.7	2282.5	2467.4	2749.2	2772.3	2809.3	2587.5
42.5°	1346.9	1374.6	1490.1	1649.5	1961.4	2305.6	2578.2	2929.4	2938.6	3003.3	2753.8
45°	1249.8	1259.1	1346.9	1529.4	1880.6	2340.3	2661.4	3132.7	3139.6	3181.2	2892.4
47.5°	1171.3	1182.9	1273.0	1427.7	1806.6	2331.1	2744.6	3329.1	3361.4	3407.6	3061.1
50°	928.7	954.1	1192.1	1340.0	1679.6	2314.9	2811.6	3564.7	3601.7	3645.6	3241.3
52.5°	801.7	813.2	933.3	1252.2	1554.8	2245.6	2874.0	3805.0	3848.9	3825.8	3470.0
55°	746.2	753.1	808.6	1078.9	1443.9	2113.9	2920.2	4029.1	4075.3	3964.4	3650.2
57.5°	706.9	716.2	748.5	882.5	1319.2	1882.9	2924.8	4160.8	4176.9	4079.9	3724.1
60°	653.8	660.7	706.9	771.6	1173.6	1640.3	2841.6	4218.5	4294.8	4202.4	3890.5
62.5°	614.5	621.5	651.5	700.0	1032.7	1446.2	2610.6	4398.7	4449.6	4324.8	3952.9
65°	568.3	568.3	598.4	646.9	942.6	1328.4	2490.5	4341.0	4230.1	4290.2	4029.1
67.5°	501.3	505.9	536.0	575.3	790.1	1215.2	2194.7	4073.0	3957.5	4123.8	3828.1
70°	445.9	441.3	473.6	503.6	646.9	646.9	1072.0	1818.2	3795.8	3890.5	3643.3
72.5°	372.0	367.3	395.1	427.4	522.1	889.4	1437.0	3523.1	3578.6	3463.1	3232.1
75°	288.8	261.1	300.3	341.9	411.2	704.6	1018.8	2917.9	3125.8	3264.4	2756.1
77.5°	46.2	46.2	57.8	80.9	134.0	358.1	455.1	1603.3	1839.0	2779.2	2416.5
80°	37.0	37.0	41.6	55.4	80.9	196.4	152.5	496.7	554.5	1199.0	1390.8
82.5°	20.8	20.8	30.0	37.0	50.8	60.1	67.0	242.6	270.3	425.1	538.3
85°	11.6	11.6	16.2	18.5	20.8	20.8	20.8	110.9	124.8	226.4	244.9
87.5°	6.9	6.9	6.9	6.9	6.9	4.6	2.3	2.3	2.3	2.3	2.3
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°	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8	1420.8
2.5°	1406.9	1400.0	1388.5	1379.2	1372.3	1365.4	1353.8	1346.9	1346.9	1358.4	1360.7
5°	1395.4	1379.2	1358.4	1349.2	1337.6	1326.1	1307.6	1298.4	1296.1	1303.0	1307.6
7.5°	1386.2	1363.1	1342.3	1319.2	1284.5	1254.5	1238.3	1226.7	1231.4	1242.9	1238.3
10°	1358.4	1337.6	1305.3	1270.6	1229.1	1203.6	1178.2	1164.4	1166.7	1173.6	1166.7
12.5°	1346.9	1319.2	1266.0	1224.4	1187.5	1139.0	1106.6	1085.8	1085.8	1097.4	1097.4
15°	1346.9	1305.3	1233.7	1182.9	1125.1	1076.6	1039.6	1021.1	1032.7	1025.8	1021.1
17.5°	1358.4	1293.7	1212.9	1127.4	1058.1	1009.6	965.7	940.3	947.2	951.8	947.2
20°	1372.3	1293.7	1187.5	1083.5	1002.7	933.3	884.8	857.1	854.8	857.1	861.7
22.5°	1418.5	1323.8	1171.3	1055.8	933.3	866.3	817.8	769.3	767.0	764.7	769.3
25°	1497.0	1379.2	1182.9	1005.0	894.1	794.7	734.7	693.1	679.2	676.9	681.5
27.5°	1626.4	1476.3	1201.3	998.0	822.5	732.4	658.4	612.2	598.4	603.0	600.7
30°	1767.3	1601.0	1254.5	949.5	780.9	639.9	570.6	531.4	517.5	508.3	510.6
32.5°	1871.3	1725.8	1321.5	933.3	700.0	540.6	489.8	466.7	450.5	438.9	436.6
35°	2035.3	1832.0	1381.5	896.4	628.4	475.9	434.3	408.9	399.7	392.7	392.7
37.5°	2192.4	1961.4	1441.6	884.8	536.0	432.0	381.2	365.0	360.4	355.8	355.8
40°	2349.5	2093.1	1476.3	838.6	462.1	378.9	330.4	328.1	335.0	330.4	332.7
42.5°	2543.6	2229.4	1510.9	794.7	408.9	323.4	295.7	314.2	328.1	330.4	330.4
45°	2677.6	2321.8	1524.8	688.5	353.5	281.9	288.8	309.6	325.7	332.7	330.4
47.5°	2800.0	2446.6	1504.0	559.1	307.3	274.9	286.5	300.3	323.4	332.7	332.7
50°	2920.2	2550.5	1485.5	413.5	291.1	277.2	286.5	293.4	318.8	328.1	328.1
52.5°	3088.8	2633.7	1423.1	346.5	277.2	279.5	293.4	291.1	311.9	325.7	330.4
55°	3322.2	2827.8	1303.0	328.1	274.9	277.2	293.4	293.4	307.3	318.8	325.7
57.5°	3426.1	2910.9	1099.7	309.6	268.0	274.9	286.5	288.8	305.0	311.9	309.6
60°	3543.9	3014.9	901.0	288.8	256.4	270.3	274.9	284.2	295.7	295.7	293.4
62.5°	3615.6	3040.3	750.8	265.7	242.6	254.1	254.1	263.4	272.6	272.6	272.6
65°	3650.2	3014.9	561.4	244.9	226.4	235.6	233.3	238.0	244.9	233.3	233.3
67.5°	3513.9	2920.2	388.1	217.2	207.9	217.2	214.9	217.2	214.9	205.6	207.9
70°	3280.6	2654.5	268.0	184.8	182.5	198.7	201.0	196.4	182.5	175.6	175.6
72.5°	2987.2	2130.1	184.8	147.9	154.8	175.6	180.2	171.0	157.1	150.2	150.2
75°	2709.9	1841.3	131.7	101.7	104.0	134.0	143.2	143.2	138.6	184.8	196.4
77.5°	1885.2	1192.1	76.2	53.1	50.8	76.2	87.8	90.1	173.3	187.1	182.5
80°	1118.2	561.4	55.4	32.3	32.3	43.9	60.1	117.8	198.7	134.0	120.1
82.5°	427.4	214.9	34.7	20.8	18.5	23.1	34.7	182.5	115.5	76.2	69.3
85°	154.8	53.1	16.2	11.6	11.6	13.9	20.8	154.8	80.9	57.8	55.4
87.5°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	4.6	4.6	4.6	2.3
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)