

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: P691845

Luminaire Tested: **CRTK2-C01H-D-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691845  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01H-D-U-T2-7030-U0-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8327 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

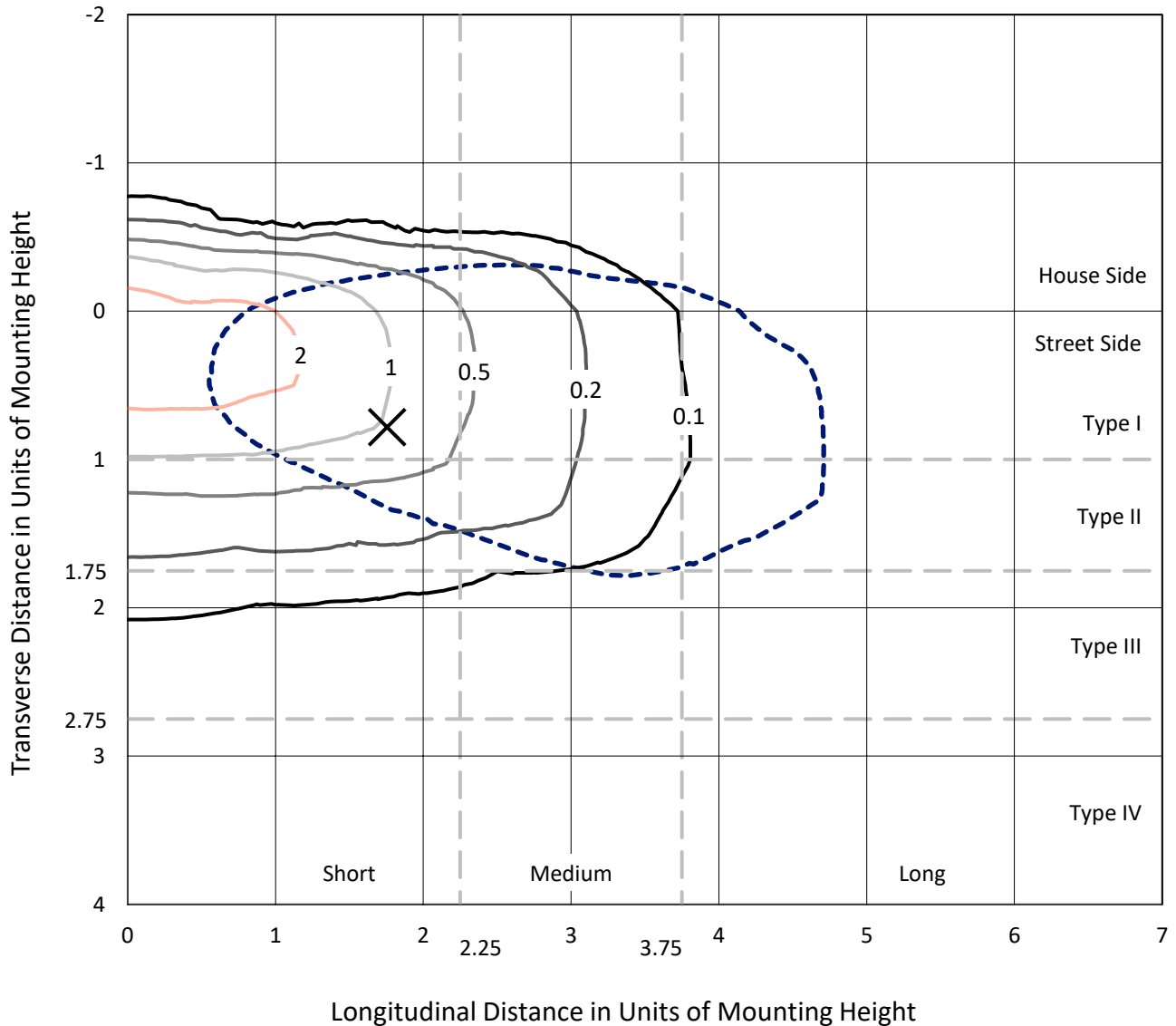
Input Watts (W): 70.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

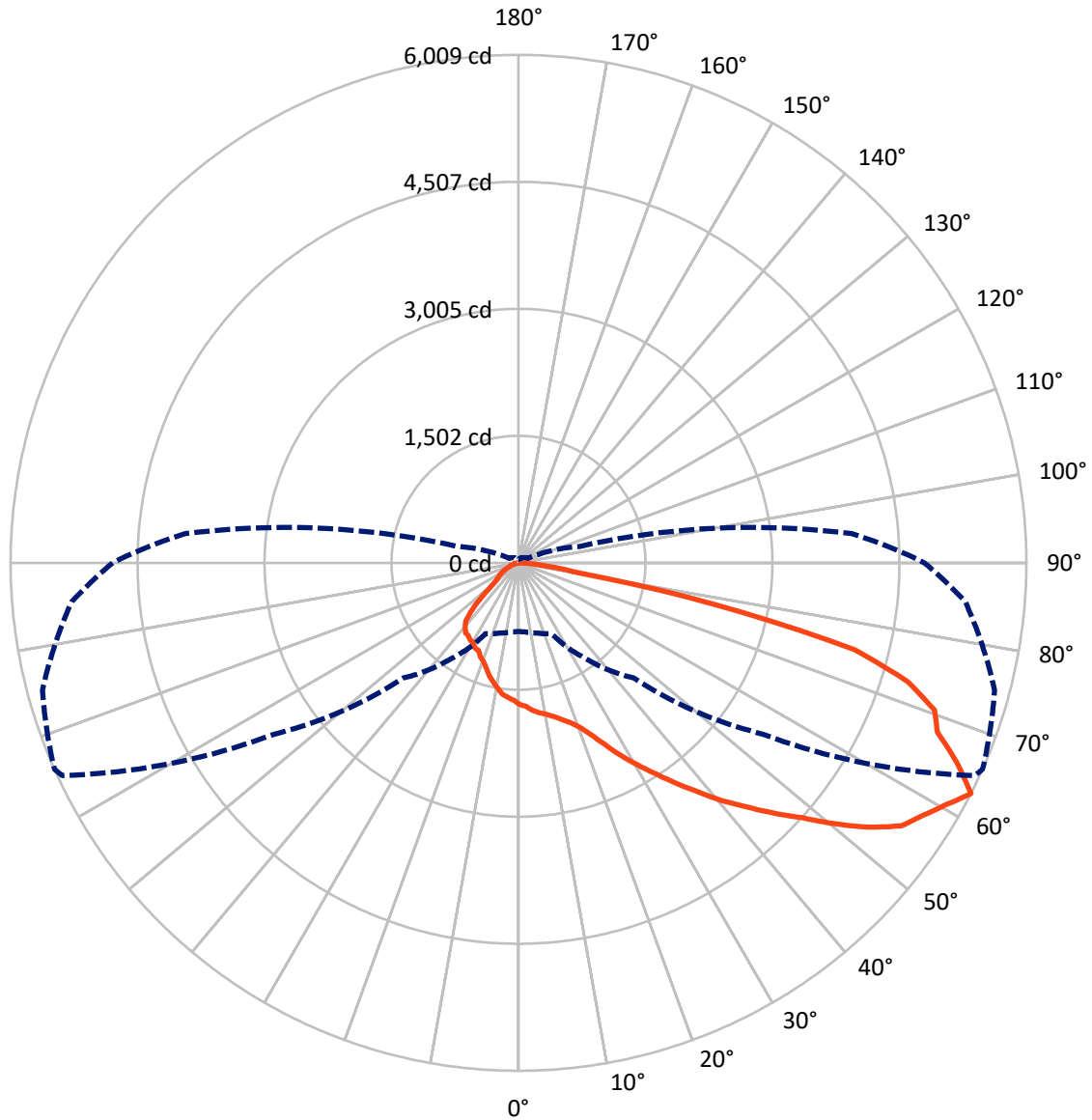
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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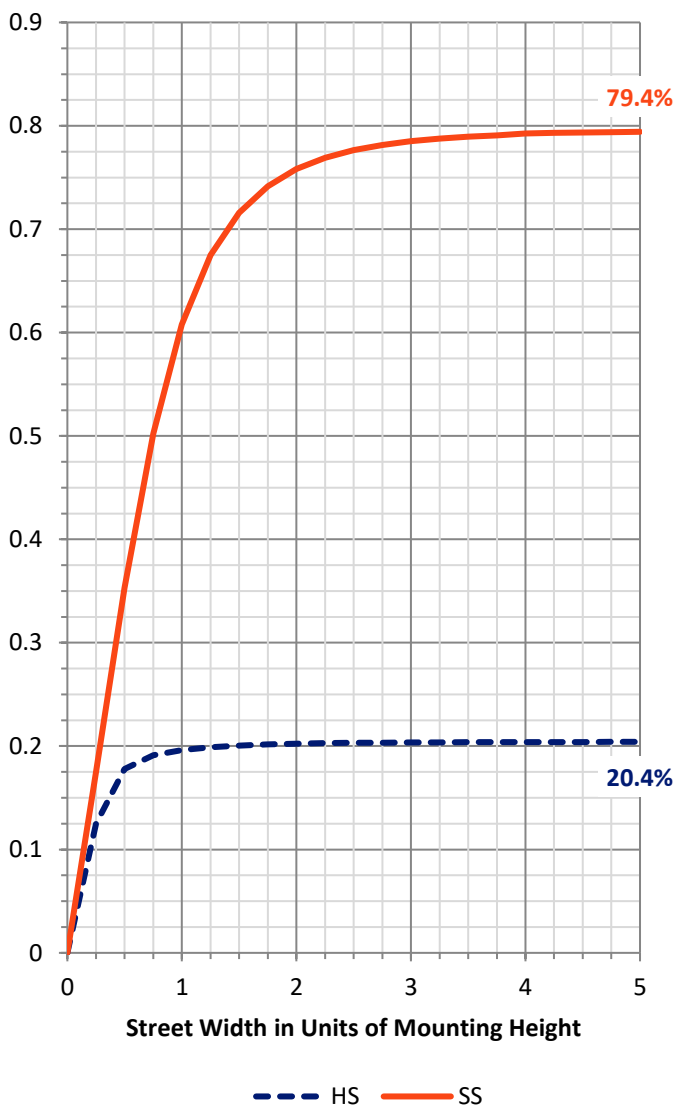
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1720.2	0.0	1720.2
	% Fixture	20.7	0.0	20.7
<b>Street Side</b>	Lumens	6606.8	0.0	6606.8
	% Fixture	79.3	0.0	79.3
<b>Total</b>	Lumens	8327.0	0.0	8327.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.2	1.9
10°-20°	450.7	5.4
20°-30°	739.5	8.9
30°-40°	1088.1	13.1
40°-50°	1435.0	17.2
50°-60°	1670.5	20.1
60°-70°	1660.0	19.9
70°-80°	1026.9	12.3
80°-90°	98.2	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°	8327.0	100.0
0°-180°	8327.0	100.0

**Coefficient of Utilization**



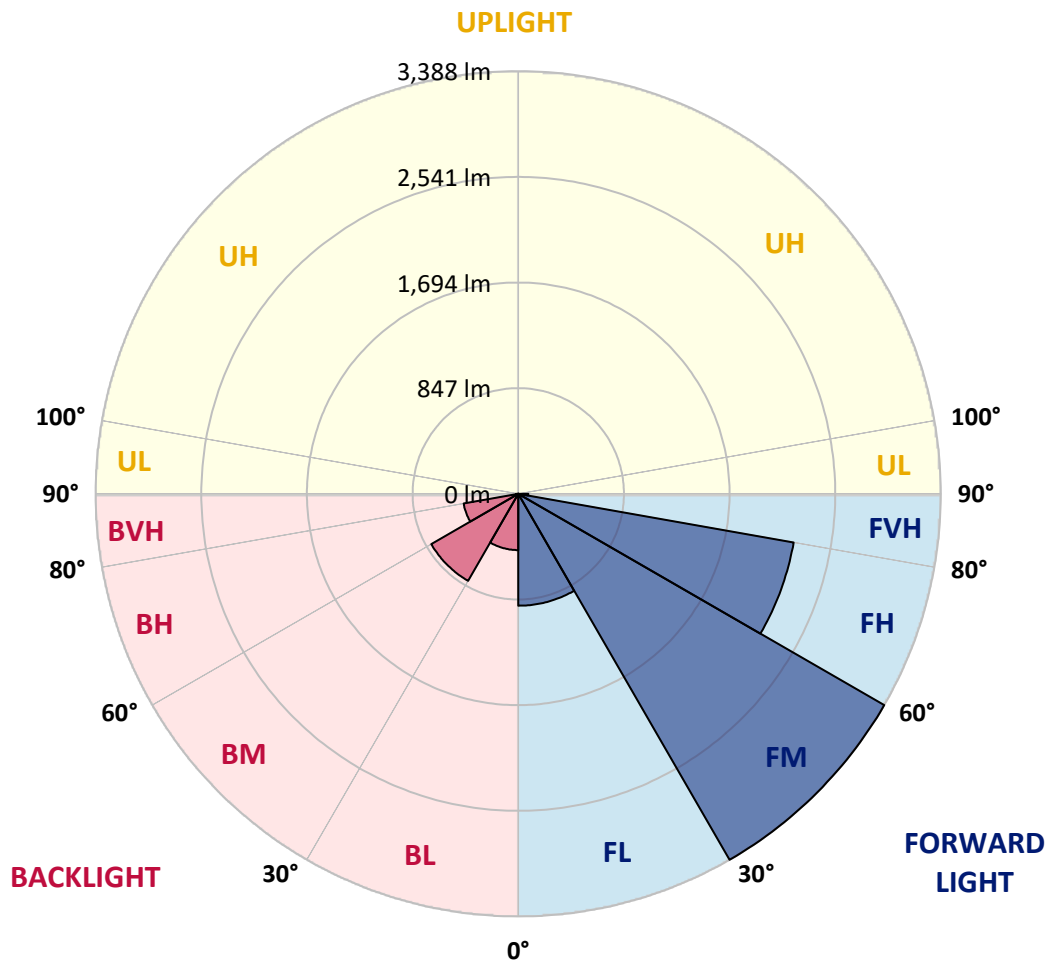
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	897.2	10.8			
FM (30°-60°)	3388.2	40.7			
FH (60°-80°)	2242.1	26.9			G2/5000
FVH (80°-90°)	79.3	1.0			G1/100
BL (0°-30°)	451.1	5.4	B1/500		
BM (30°-60°)	805.5	9.7	B1/1000		
BH (60°-80°)	444.7	5.3	B1/500		G1/500
BVH (80°-90°)	18.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7
2.5°	1769.8	1769.8	1766.7	1744.7	1735.3	1722.8	1713.3	1703.9	1700.8	1691.4	1675.7
5°	1873.4	1870.2	1870.2	1851.4	1832.6	1807.5	1782.4	1757.3	1754.1	1729.0	1694.5
7.5°	1933.0	1933.0	1926.7	1914.2	1901.6	1885.9	1848.3	1794.9	1791.8	1757.3	1710.2
10°	1948.7	1951.8	1964.4	1933.0	1923.6	1907.9	1889.1	1832.6	1823.2	1773.0	1697.6
12.5°	2005.2	2005.2	2002.0	1973.8	1964.4	1951.8	1920.4	1876.5	1867.1	1804.3	1700.8
15°	2074.2	2077.3	2067.9	2042.8	2030.3	2014.6	1973.8	1926.7	1923.6	1842.0	1725.9
17.5°	2108.7	2108.7	2115.0	2080.5	2083.6	2077.3	2058.5	1992.6	1989.5	1914.2	1769.8
20°	2121.3	2124.4	2127.6	2127.6	2130.7	2124.4	2143.2	2086.8	2077.3	1992.6	1829.4
22.5°	2177.8	2184.0	2199.7	2190.3	2206.0	2215.4	2221.7	2224.8	2212.3	2124.4	1929.9
25°	2202.9	2218.6	2240.5	2275.0	2300.1	2319.0	2366.0	2388.0	2384.9	2309.6	2096.2
27.5°	2165.2	2184.0	2259.3	2319.0	2406.8	2457.0	2544.9	2573.1	2582.6	2513.5	2275.0
30°	2215.4	2221.7	2256.2	2331.5	2441.4	2592.0	2711.2	2774.0	2774.0	2720.6	2450.8
32.5°	2137.0	2155.8	2256.2	2394.3	2563.7	2726.9	2839.9	2974.8	2974.8	2949.7	2701.8
35°	2127.6	2137.0	2196.6	2350.3	2566.9	2865.0	3015.6	3175.6	3197.6	3200.7	2949.7
37.5°	2039.7	2058.5	2165.2	2362.9	2661.0	2949.7	3159.9	3407.8	3433.0	3467.5	3156.8
40°	1942.4	1948.7	2042.8	2249.9	2639.0	3059.5	3298.0	3668.3	3696.5	3743.6	3433.0
42.5°	1798.1	1823.2	1980.1	2206.0	2629.6	3094.1	3451.8	3913.1	3944.4	4010.3	3662.0
45°	1669.4	1678.8	1794.9	2046.0	2526.1	3144.3	3571.0	4201.8	4220.6	4261.4	3853.4
47.5°	1565.9	1572.1	1688.2	1904.8	2428.8	3131.7	3687.1	4462.2	4506.1	4568.9	4079.4
50°	1255.2	1289.7	1578.4	1788.7	2259.3	3109.7	3778.1	4788.6	4854.5	4879.6	4339.8
52.5°	1070.1	1076.3	1227.0	1672.5	2083.6	3015.6	3866.0	5121.2	5196.5	5127.5	4653.6
55°	991.6	997.9	1066.9	1440.3	1936.1	2833.6	3931.9	5441.3	5494.6	5325.2	4889.0
57.5°	941.4	953.9	985.3	1170.5	1760.4	2529.2	3944.4	5617.0	5639.0	5482.1	5008.2
60°	872.4	872.4	935.1	1023.0	1569.0	2202.9	3840.9	5704.9	5811.5	5660.9	5227.9
62.5°	812.7	819.0	859.8	925.7	1380.7	1926.7	3536.5	5955.9	6009.2	5830.4	5306.3
65°	743.7	750.0	787.6	853.5	1255.2	1773.0	3373.3	5855.5	5698.6	5786.4	5403.6
67.5°	665.3	668.4	706.0	765.7	1054.4	1634.9	2981.1	5472.6	5344.0	5579.3	5133.7
70°	586.8	586.8	618.2	665.3	859.8	1434.1	2463.3	5124.3	5221.6	5234.2	4867.0
72.5°	489.5	492.7	524.0	564.8	690.4	1198.7	1948.7	4776.0	4819.9	4653.6	4280.2
75°	351.5	364.0	398.5	439.3	546.0	950.8	1383.9	3881.7	4110.8	4405.7	3677.7
77.5°	53.3	53.3	65.9	100.4	178.9	477.0	640.1	2143.2	2378.6	3687.1	3213.3
80°	43.9	43.9	47.1	65.9	103.6	266.7	207.1	671.5	721.7	1694.5	1810.6
82.5°	22.0	22.0	34.5	47.1	62.8	78.4	87.9	323.2	373.4	577.4	721.7
85°	12.6	12.6	15.7	22.0	25.1	25.1	28.2	153.8	160.0	313.8	326.4
87.5°	3.1	3.1	6.3	6.3	6.3	3.1	3.1	3.1	3.1	3.1	3.1
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°	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7	1675.7
2.5°	1669.4	1660.0	1641.2	1625.5	1616.1	1597.2	1581.5	1569.0	1562.7	1578.4	1581.5
5°	1672.5	1650.6	1616.1	1594.1	1569.0	1537.6	1500.0	1478.0	1468.6	1471.7	1481.1
7.5°	1678.8	1647.4	1606.6	1559.6	1493.7	1430.9	1387.0	1361.9	1349.3	1365.0	1365.0
10°	1660.0	1625.5	1569.0	1496.8	1412.1	1349.3	1299.1	1255.2	1239.5	1245.8	1248.9
12.5°	1660.0	1612.9	1518.8	1430.9	1352.5	1248.9	1173.6	1132.8	1117.1	1120.3	1126.5
15°	1669.4	1606.6	1474.9	1368.2	1252.1	1142.2	1076.3	1026.1	1010.4	994.7	1001.0
17.5°	1700.8	1597.2	1452.9	1283.4	1154.8	1051.2	960.2	903.7	891.2	891.2	894.3
20°	1732.2	1609.8	1415.2	1220.7	1066.9	938.3	844.1	803.3	775.1	762.5	775.1
22.5°	1798.1	1653.7	1390.1	1179.9	975.9	853.5	765.7	674.7	624.5	602.5	608.8
25°	1917.3	1732.2	1409.0	1107.7	925.7	775.1	652.7	542.9	473.8	451.9	458.1
27.5°	2102.4	1860.8	1430.9	1101.4	834.7	696.6	530.3	411.1	357.7	335.8	342.0
30°	2284.5	2036.6	1503.1	1038.7	800.2	571.1	401.7	316.9	263.6	241.6	247.9
32.5°	2441.4	2206.0	1594.1	1023.0	709.2	429.9	301.2	235.3	194.6	175.7	178.9
35°	2673.6	2350.3	1672.5	975.9	602.5	323.2	219.7	169.5	147.5	141.2	141.2
37.5°	2880.7	2519.8	1747.9	960.2	451.9	241.6	156.9	138.1	134.9	125.5	125.5
40°	3097.2	2698.7	1782.4	903.7	329.5	169.5	128.7	128.7	125.5	116.1	116.1
42.5°	3351.4	2880.7	1813.8	837.8	235.3	128.7	119.2	122.4	119.2	109.8	106.7
45°	3533.4	2993.6	1823.2	671.5	163.2	122.4	113.0	116.1	113.0	106.7	103.6
47.5°	3699.7	3156.8	1782.4	470.7	131.8	116.1	109.8	109.8	109.8	100.4	97.3
50°	3872.3	3291.7	1747.9	254.2	128.7	113.0	103.6	100.4	103.6	97.3	94.1
52.5°	4101.3	3395.3	1656.9	172.6	125.5	109.8	100.4	94.1	97.3	91.0	94.1
55°	4405.7	3668.3	1490.5	163.2	125.5	106.7	97.3	87.9	87.9	84.7	84.7
57.5°	4543.8	3771.9	1223.8	156.9	122.4	106.7	91.0	81.6	75.3	72.2	69.0
60°	4713.3	3922.5	944.5	144.3	113.0	100.4	81.6	72.2	62.8	59.6	59.6
62.5°	4801.1	3957.0	746.8	128.7	103.6	87.9	72.2	59.6	50.2	43.9	43.9
65°	4851.3	3938.2	520.9	116.1	91.0	78.4	62.8	50.2	37.7	34.5	31.4
67.5°	4681.9	3825.2	304.4	100.4	78.4	69.0	53.3	40.8	31.4	28.2	25.1
70°	4343.0	3480.0	191.4	87.9	69.0	59.6	47.1	34.5	25.1	22.0	22.0
72.5°	3979.0	2805.4	131.8	69.0	53.3	47.1	34.5	28.2	22.0	15.7	15.7
75°	3580.4	2435.1	97.3	50.2	37.7	34.5	28.2	22.0	18.8	12.6	12.6
77.5°	2538.6	1612.9	78.4	37.7	25.1	22.0	18.8	15.7	12.6	12.6	9.4
80°	1500.0	787.6	59.6	25.1	18.8	15.7	12.6	12.6	9.4	9.4	9.4
82.5°	561.7	301.2	40.8	18.8	12.6	12.6	9.4	9.4	6.3	6.3	6.3
85°	204.0	75.3	18.8	9.4	9.4	6.3	6.3	6.3	6.3	6.3	6.3
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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)