

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: P691802

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691802  
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-C01H-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: 9949 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

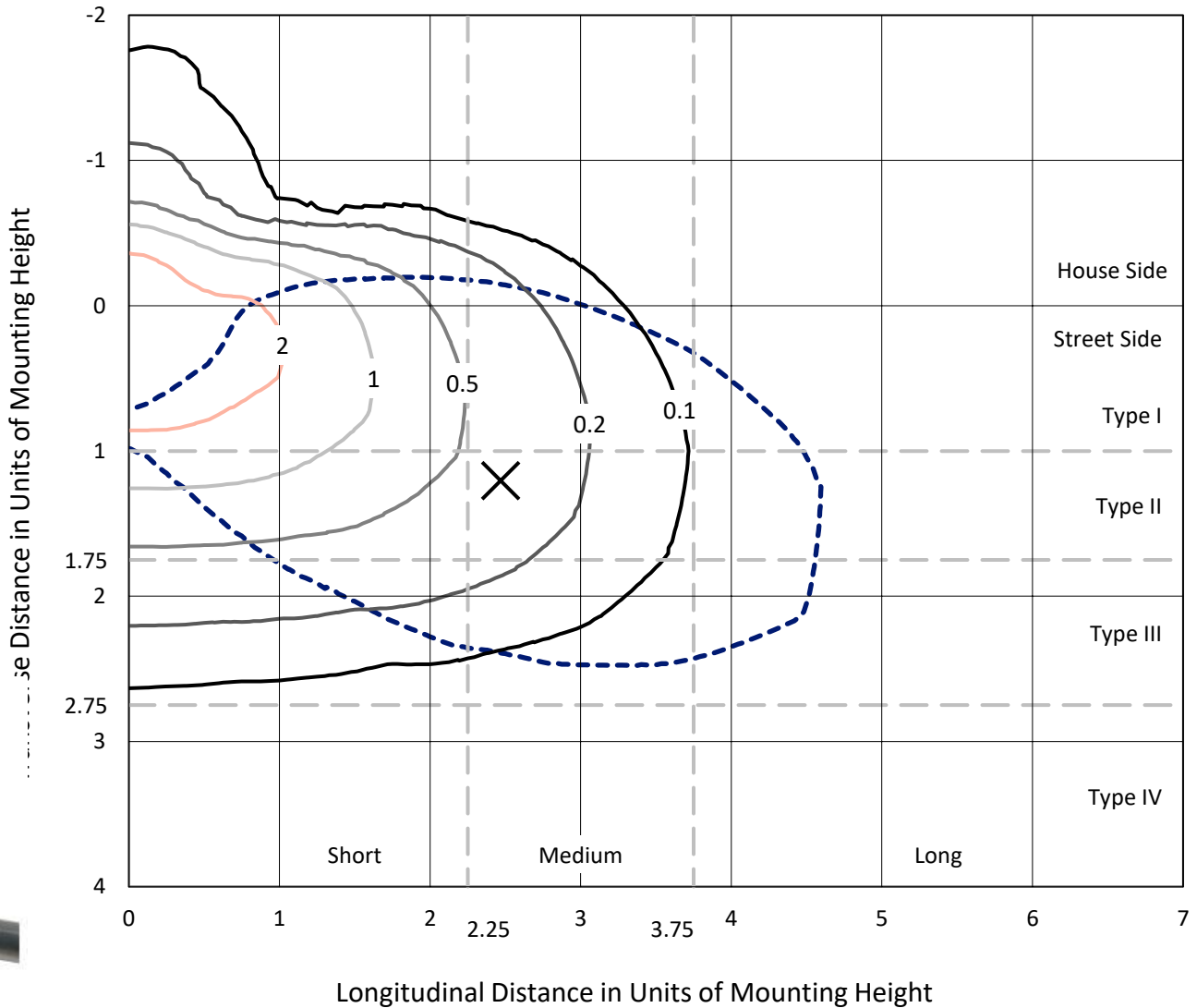
Input Watts (W): 74.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

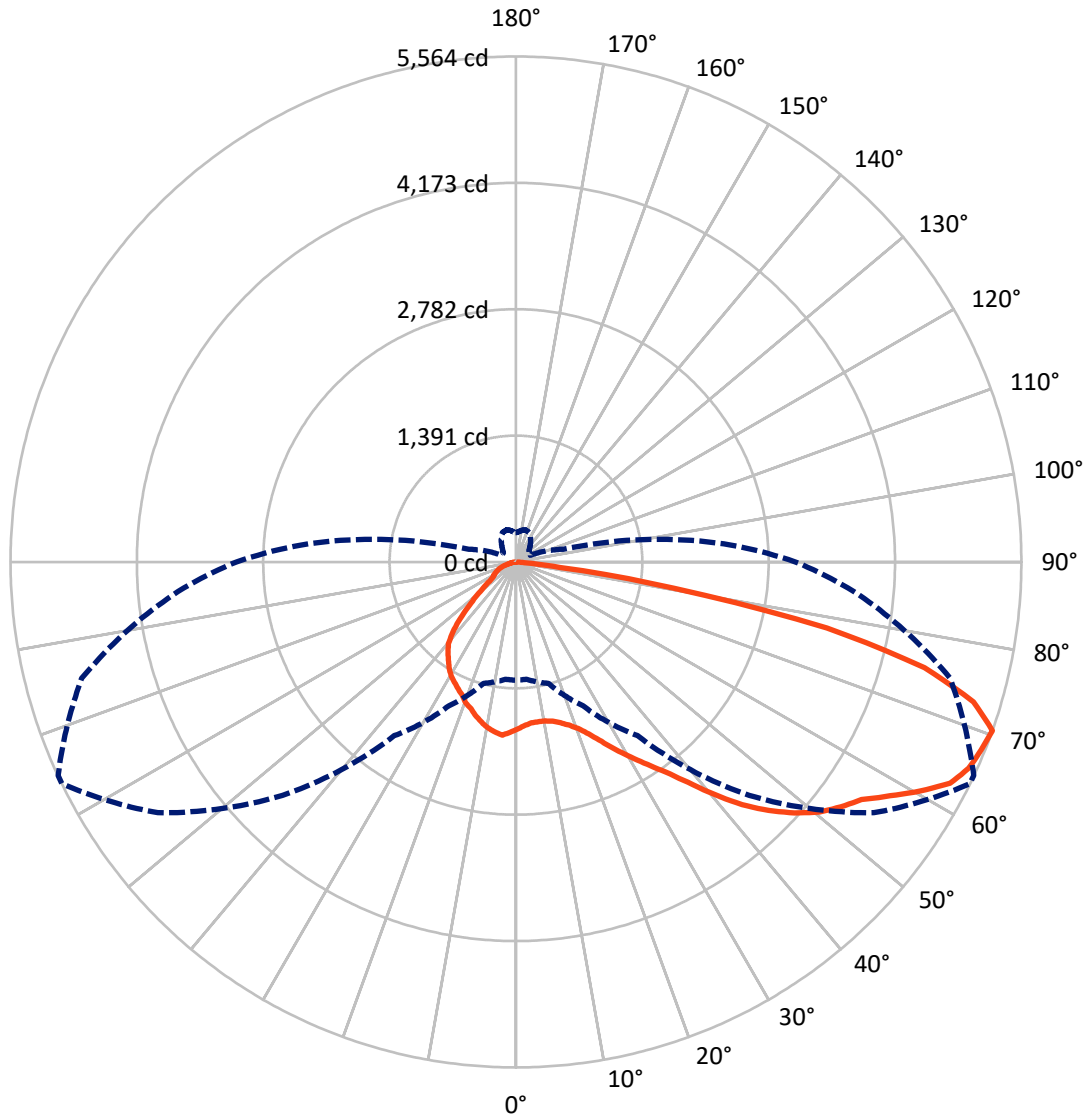
✕ Max cd  
 - - - 1/2 Max cd



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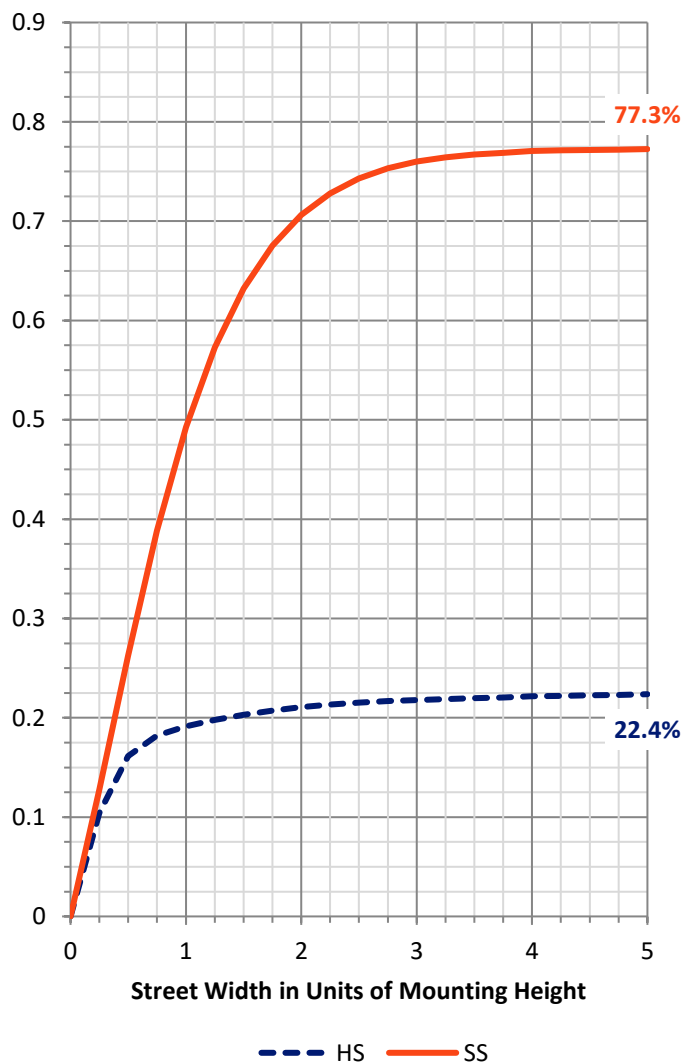
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2260.1	0.0	2260.1
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	7688.9	0.0	7688.9
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	9949.0	0.0	9949.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.0	1.8
10°-20°	518.8	5.2
20°-30°	861.2	8.7
30°-40°	1231.9	12.4
40°-50°	1645.1	16.5
50°-60°	1988.0	20.0
60°-70°	2115.8	21.3
70°-80°	1299.8	13.1
80°-90°	111.3	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°	9949.0	100.0
0°-180°	9949.0	100.0

**Coefficient of Utilization**



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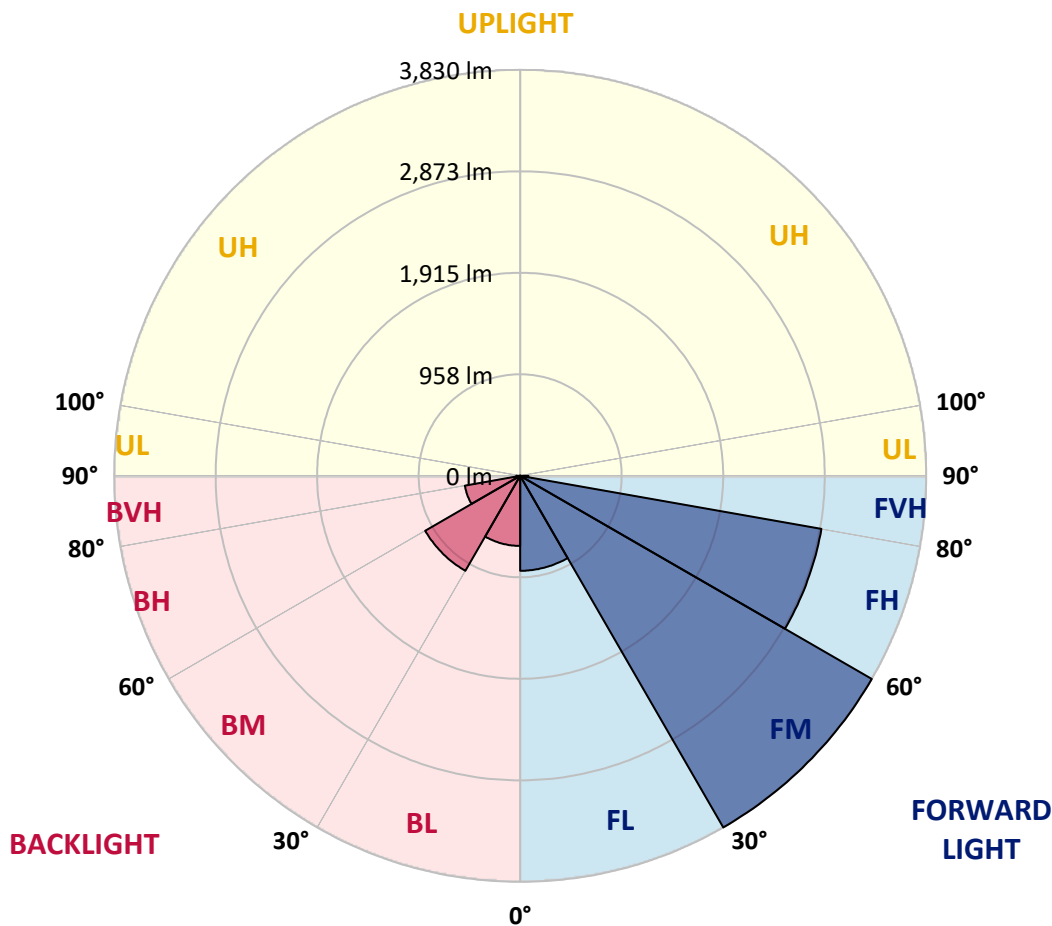
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	895.9	9.0			
FM (30°-60°)	3830.2	38.5			
FH (60°-80°)	2885.6	29.0			G2/5000
FVH (80°-90°)	77.3	0.8			G1/100
BL (0°-30°)	661.2	6.6	B2/1000		
BM (30°-60°)	1034.8	10.4	B2/2500		
BH (60°-80°)	530.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	34.0	0.3			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1
2.5°	1796.1	1796.1	1796.1	1796.1	1799.5	1802.9	1799.5	1802.9	1802.9	1809.6	1819.8
5°	1826.6	1826.6	1819.8	1806.3	1796.1	1782.6	1775.8	1779.2	1779.2	1796.1	1823.2
7.5°	1836.7	1836.7	1829.9	1829.9	1819.8	1789.4	1779.2	1775.8	1779.2	1786.0	1823.2
10°	1887.4	1884.1	1867.2	1846.9	1833.3	1806.3	1782.6	1779.2	1782.6	1792.7	1833.3
12.5°	1941.6	1941.6	1934.8	1917.9	1880.7	1853.6	1813.0	1799.5	1796.1	1806.3	1829.9
15°	2049.8	2036.3	2009.2	1985.5	1958.5	1914.5	1860.4	1836.7	1829.9	1843.5	1833.3
17.5°	2114.1	2103.9	2107.3	2070.1	2046.4	1985.5	1931.4	1887.4	1884.1	1897.6	1853.6
20°	2185.1	2181.7	2188.5	2185.1	2147.9	2093.8	2009.2	1955.1	1948.3	1951.7	1884.1
22.5°	2293.3	2293.3	2290.0	2290.0	2269.7	2205.4	2110.7	2056.6	2046.4	2022.7	1934.8
25°	2411.7	2411.7	2411.7	2418.5	2418.5	2344.1	2249.4	2188.5	2181.7	2147.9	2019.4
27.5°	2523.4	2530.1	2533.5	2536.9	2547.0	2513.2	2408.4	2337.3	2333.9	2290.0	2131.0
30°	2611.3	2614.7	2645.1	2651.9	2672.2	2662.0	2560.6	2492.9	2499.7	2442.2	2256.1
32.5°	2689.1	2692.5	2736.5	2760.1	2783.8	2787.2	2702.6	2655.3	2655.3	2604.5	2408.4
35°	2763.5	2766.9	2821.0	2878.5	2925.9	2912.4	2865.0	2837.9	2848.1	2831.2	2618.1
37.5°	2827.8	2841.3	2912.4	2996.9	3051.0	3061.2	3040.9	3078.1	3098.4	3125.4	2902.2
40°	2888.7	2895.4	2963.1	3051.0	3142.4	3189.7	3213.4	3365.6	3385.9	3406.2	3064.6
42.5°	2831.2	2844.7	2990.1	3122.1	3237.1	3318.3	3429.9	3653.1	3697.1	3585.5	3284.4
45°	2763.5	2780.4	2925.9	3149.1	3311.5	3460.3	3666.7	3903.4	3937.3	3768.1	3402.8
47.5°	2706.0	2726.3	2875.1	3125.4	3389.3	3653.1	3859.5	4126.7	4147.0	3923.7	3565.2
50°	2641.7	2658.7	2817.6	3095.0	3429.9	3829.0	4062.4	4329.6	4336.4	4052.3	3649.7
52.5°	2557.2	2574.1	2736.5	3047.7	3460.3	3947.4	4231.5	4478.5	4451.4	4218.0	3747.8
55°	2448.9	2472.6	2648.5	2983.4	3477.2	4018.4	4346.5	4617.1	4603.6	4414.2	3876.4
57.5°	2333.9	2357.6	2536.9	2895.4	3460.3	4062.4	4464.9	4857.3	4853.9	4573.2	3971.1
60°	2205.4	2225.7	2377.9	2780.4	3369.0	4133.4	4725.4	5117.8	5144.8	4752.4	4008.3
62.5°	2036.3	2039.7	2191.9	2614.7	3250.6	4184.2	4911.4	5364.7	5347.8	4870.8	4015.1
65°	1813.0	1823.2	1958.5	2384.7	3057.8	4143.6	4958.8	5476.3	5476.3	4958.8	4008.3
67.5°	1596.6	1593.2	1708.2	2097.2	2760.1	3964.3	4918.2	5523.7	5547.3	5016.3	3920.3
70°	1302.3	1295.5	1383.5	1745.4	2333.9	3632.8	4813.3	5564.2	5560.9	4948.6	3734.3
72.5°	964.0	960.6	1021.5	1322.6	1786.0	3108.5	4502.1	5266.6	5232.8	4623.9	3372.4
75°	534.4	507.4	504.0	818.6	1038.4	2178.3	3825.6	4644.2	4657.7	4086.1	2824.4
77.5°	77.8	81.2	84.6	148.8	179.3	815.2	2486.2	3500.9	3494.1	3152.5	2060.0
80°	54.1	57.5	60.9	74.4	84.6	192.8	859.2	1765.7	1867.2	1657.4	950.5
82.5°	40.6	40.6	44.0	50.7	47.4	87.9	267.2	490.5	507.4	460.0	280.7
85°	27.1	27.1	23.7	27.1	16.9	23.7	60.9	91.3	98.1	94.7	77.8
87.5°	13.5	13.5	10.1	10.1	6.8	6.8	6.8	3.4	6.8	3.4	6.8
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°	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1	1840.1
2.5°	1829.9	1836.7	1857.0	1873.9	1894.2	1917.9	1931.4	1944.9	1958.5	1951.7	1961.9
5°	1836.7	1850.2	1880.7	1911.1	1928.0	1931.4	1934.8	1944.9	1965.2	1965.2	1982.2
7.5°	1843.5	1867.2	1867.2	1884.1	1907.7	1914.5	1917.9	1924.7	1934.8	1938.2	1934.8
10°	1843.5	1833.3	1850.2	1853.6	1843.5	1860.4	1870.5	1867.2	1877.3	1880.7	1880.7
12.5°	1823.2	1819.8	1806.3	1806.3	1802.9	1775.8	1775.8	1802.9	1802.9	1819.8	1823.2
15°	1823.2	1796.1	1779.2	1755.5	1731.9	1721.7	1708.2	1687.9	1694.6	1718.3	1725.1
17.5°	1819.8	1789.4	1738.6	1691.3	1674.3	1633.8	1620.2	1620.2	1616.8	1630.4	1633.8
20°	1833.3	1789.4	1711.6	1657.4	1566.1	1552.6	1525.5	1528.9	1532.3	1512.0	1501.8
22.5°	1870.5	1816.4	1691.3	1586.4	1515.4	1454.5	1403.7	1369.9	1366.5	1356.4	1366.5
25°	1928.0	1863.8	1694.6	1545.8	1430.8	1342.9	1309.0	1227.9	1190.6	1194.0	1214.3
27.5°	2032.9	1921.3	1711.6	1501.8	1363.2	1238.0	1129.8	1079.0	1038.4	1038.4	1045.2
30°	2131.0	2009.2	1704.8	1464.6	1258.3	1102.7	964.0	882.8	869.3	855.8	852.4
32.5°	2313.6	2120.8	1772.4	1410.5	1160.2	930.2	791.5	679.9	690.0	693.4	700.2
35°	2496.3	2300.1	1786.0	1342.9	1018.1	757.7	612.2	551.4	578.4	585.2	591.9
37.5°	2739.8	2523.4	1877.3	1282.0	872.7	581.8	487.1	460.0	487.1	487.1	490.5
40°	2871.8	2628.2	1951.7	1221.1	683.3	429.6	382.2	361.9	395.8	422.8	429.6
42.5°	3057.8	2763.5	2019.4	1099.3	483.7	321.3	294.3	334.9	389.0	416.1	419.4
45°	3152.5	2831.2	1995.7	937.0	318.0	260.5	287.5	338.3	392.4	419.4	422.8
47.5°	3281.0	2925.9	1948.3	747.5	253.7	257.1	290.9	348.4	402.5	426.2	429.6
50°	3406.2	3024.0	1826.6	595.3	243.5	257.1	297.7	351.8	399.1	416.1	412.7
52.5°	3477.2	3115.3	1671.0	453.3	243.5	260.5	304.4	358.5	395.8	399.1	399.1
55°	3541.5	3125.4	1542.4	351.8	240.2	263.8	311.2	365.3	399.1	399.1	392.4
57.5°	3582.1	3084.9	1444.3	304.4	240.2	263.8	311.2	365.3	416.1	426.2	416.1
60°	3565.2	3007.1	1376.7	284.1	233.4	260.5	307.8	375.5	510.8	534.4	514.1
62.5°	3524.6	2963.1	1231.2	260.5	223.2	250.3	301.0	405.9	548.0	551.4	534.4
65°	3487.4	2817.6	1055.3	233.4	209.7	240.2	290.9	412.7	463.4	446.5	443.1
67.5°	3318.3	2628.2	805.0	206.3	189.4	226.6	280.7	378.8	412.7	392.4	385.6
70°	3078.1	2296.7	537.8	175.9	169.1	209.7	280.7	355.2	368.7	334.9	321.3
72.5°	2638.4	1901.0	294.3	142.1	142.1	192.8	253.7	331.5	341.6	301.0	277.4
75°	2147.9	1376.7	189.4	108.2	108.2	162.4	230.0	314.6	334.9	290.9	260.5
77.5°	1478.2	754.3	131.9	77.8	71.0	125.2	182.7	257.1	297.7	250.3	213.1
80°	500.6	199.6	84.6	50.7	44.0	71.0	121.8	199.6	270.6	257.1	230.0
82.5°	196.2	125.2	57.5	33.8	30.4	33.8	60.9	125.2	216.5	233.4	270.6
85°	57.5	33.8	20.3	16.9	16.9	16.9	16.9	50.7	128.5	169.1	213.1
87.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	30.4	54.1	71.0
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)