

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: P691894

Luminaire Tested: **CRTK2-C01H-D-U-T3-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691894  
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-D-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: 9611 lumens  
Efficiency: N/A  
Efficacy: 136.9 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

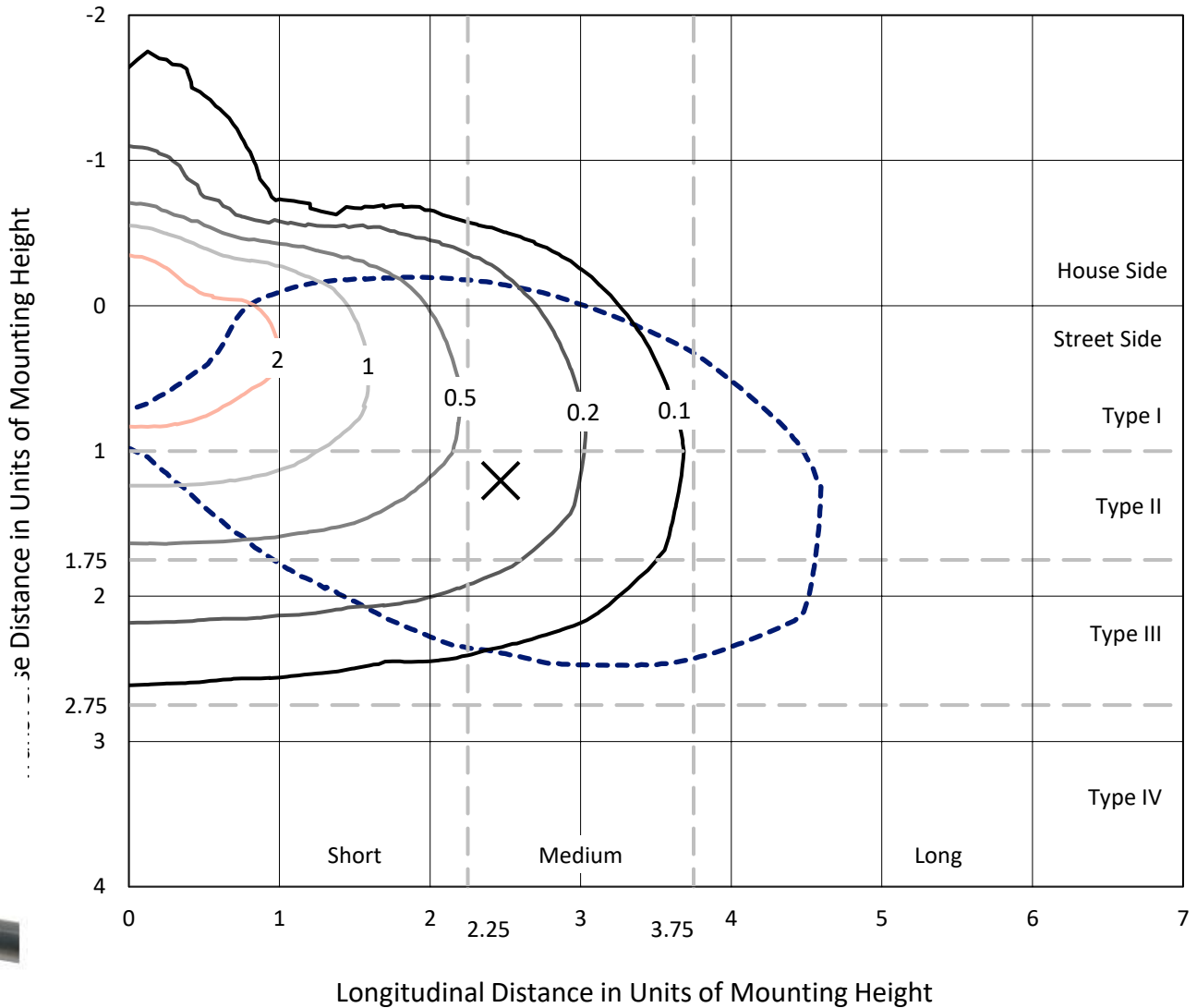
Input Watts (W): 70.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

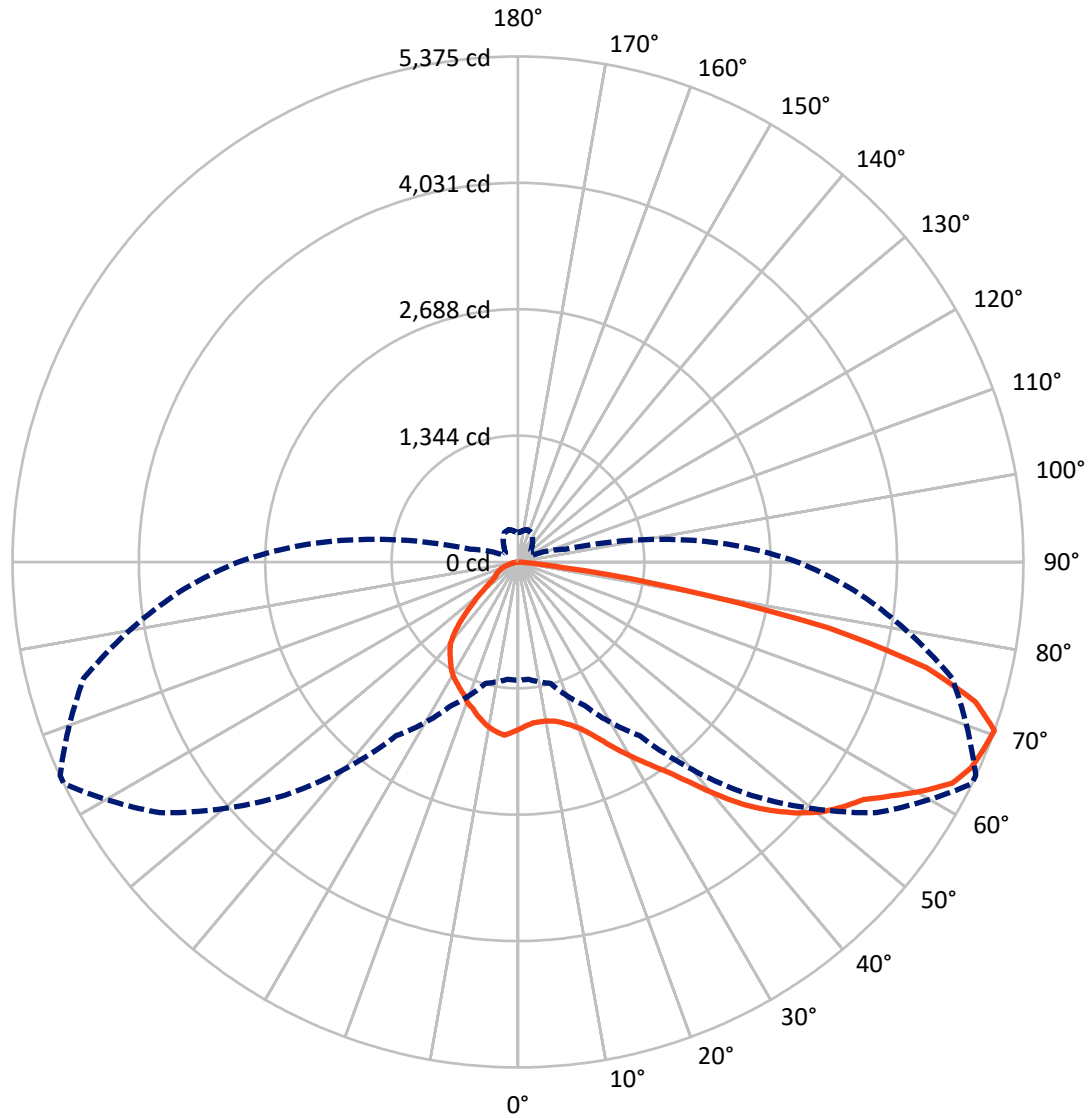
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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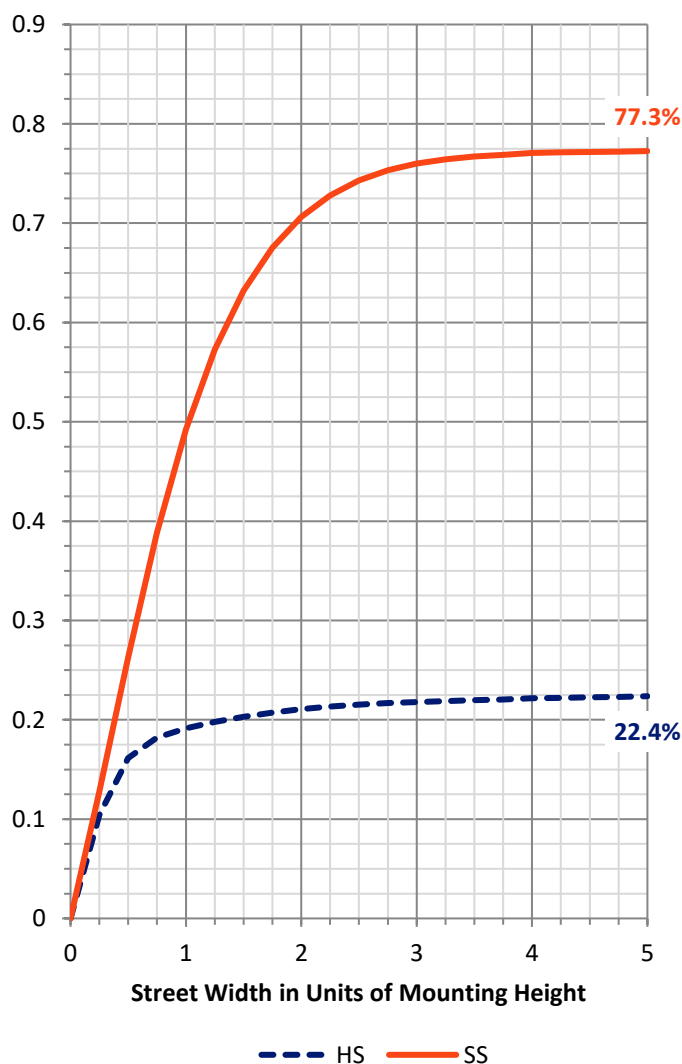
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2183.3	0.0	2183.3
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	7427.7	0.0	7427.7
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	9611.0	0.0	9611.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.0	1.8
10°-20°	501.2	5.2
20°-30°	832.0	8.7
30°-40°	1190.0	12.4
40°-50°	1589.2	16.5
50°-60°	1920.5	20.0
60°-70°	2043.9	21.3
70°-80°	1255.6	13.1
80°-90°	107.5	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°	9611.0	100.0
0°-180°	9611.0	100.0

**Coefficient of Utilization**

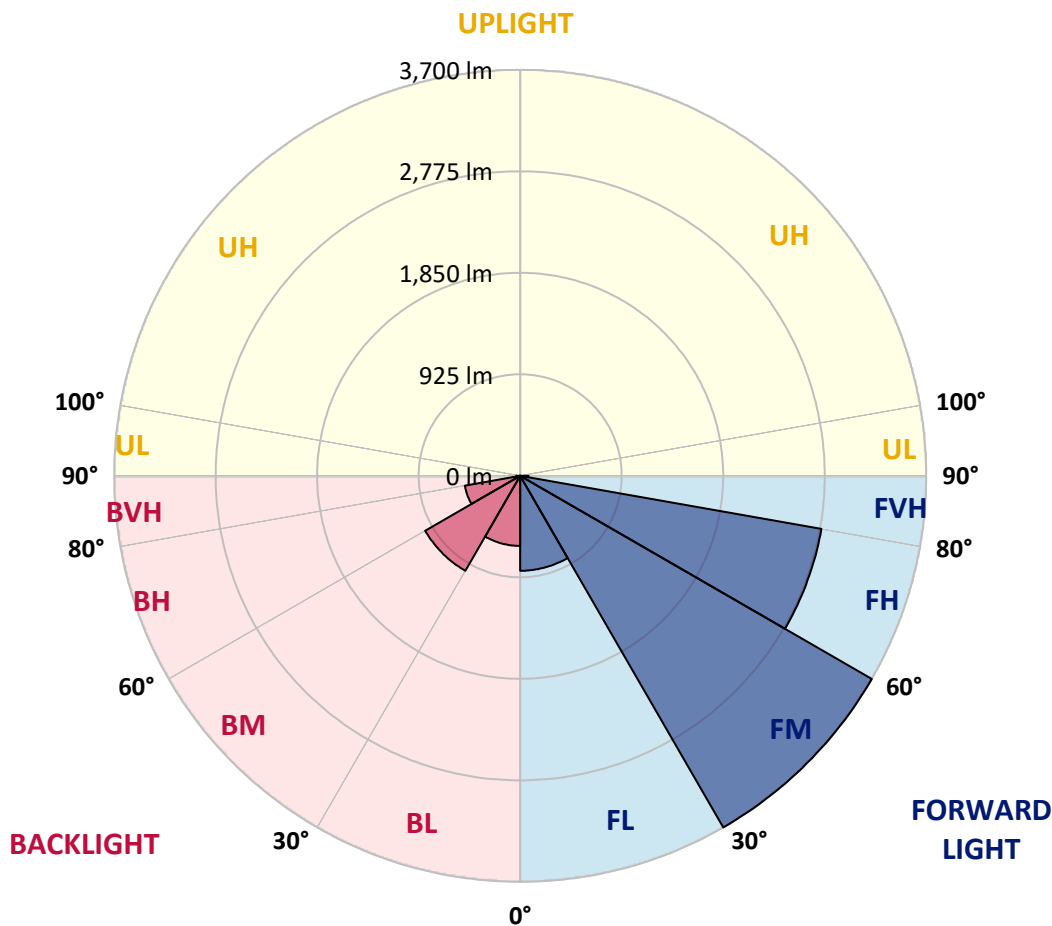


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	865.4	9.0			
FM (30°-60°)	3700.1	38.5			
FH (60°-80°)	2787.5	29.0			G2/5000
FVH (80°-90°)	74.7	0.8			G1/100
BL (0°-30°)	638.8	6.6	B2/1000		
BM (30°-60°)	999.6	10.4	B1/1000		
BH (60°-80°)	512.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	32.8	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°	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6
2.5°	1735.1	1735.1	1735.1	1735.1	1738.4	1741.6	1738.4	1741.6	1741.6	1748.2	1758.0
5°	1764.5	1764.5	1758.0	1744.9	1735.1	1722.0	1715.5	1718.8	1718.8	1735.1	1761.2
7.5°	1774.3	1774.3	1767.8	1767.8	1758.0	1728.6	1718.8	1715.5	1718.8	1725.3	1761.2
10°	1823.3	1820.1	1803.7	1784.1	1771.0	1744.9	1722.0	1718.8	1722.0	1731.8	1771.0
12.5°	1875.6	1875.6	1869.1	1852.7	1816.8	1790.6	1751.4	1738.4	1735.1	1744.9	1767.8
15°	1980.2	1967.1	1941.0	1918.1	1891.9	1849.5	1797.2	1774.3	1767.8	1780.8	1771.0
17.5°	2042.3	2032.5	2035.7	1999.8	1976.9	1918.1	1865.8	1823.3	1820.1	1833.1	1790.6
20°	2110.9	2107.6	2114.1	2110.9	2074.9	2022.6	1941.0	1888.7	1882.1	1885.4	1820.1
22.5°	2215.4	2215.4	2212.2	2212.2	2192.6	2130.5	2039.0	1986.7	1976.9	1954.0	1869.1
25°	2329.8	2329.8	2329.8	2336.3	2336.3	2264.5	2173.0	2114.1	2107.6	2074.9	1950.8
27.5°	2437.6	2444.2	2447.4	2450.7	2460.5	2427.8	2326.5	2257.9	2254.6	2212.2	2058.6
30°	2522.6	2525.9	2555.3	2561.8	2581.4	2571.6	2473.6	2408.2	2414.8	2359.2	2179.5
32.5°	2597.7	2601.0	2643.5	2666.4	2689.2	2692.5	2610.8	2565.1	2565.1	2516.1	2326.5
35°	2669.6	2672.9	2725.2	2780.7	2826.5	2813.4	2767.7	2741.5	2751.3	2735.0	2529.1
37.5°	2731.7	2744.8	2813.4	2895.1	2947.4	2957.2	2937.6	2973.5	2993.1	3019.3	2803.6
40°	2790.5	2797.1	2862.4	2947.4	3035.6	3081.4	3104.2	3251.3	3270.9	3290.5	2960.5
42.5°	2735.0	2748.1	2888.6	3016.0	3127.1	3205.5	3313.4	3529.0	3571.5	3463.7	3172.8
45°	2669.6	2686.0	2826.5	3042.1	3199.0	3342.8	3542.1	3770.8	3803.5	3640.1	3287.2
47.5°	2614.1	2633.7	2777.5	3019.3	3274.1	3529.0	3728.3	3986.5	4006.1	3790.4	3444.1
50°	2552.0	2568.3	2721.9	2989.9	3313.4	3698.9	3924.4	4182.5	4189.1	3914.6	3525.7
52.5°	2470.3	2486.6	2643.5	2944.1	3342.8	3813.3	4087.8	4326.3	4300.2	4074.7	3620.5
55°	2365.7	2388.6	2558.5	2882.0	3359.1	3881.9	4198.9	4460.3	4447.2	4264.2	3744.7
57.5°	2254.6	2277.5	2450.7	2797.1	3342.8	3924.4	4313.2	4692.3	4689.0	4417.8	3836.2
60°	2130.5	2150.1	2297.1	2686.0	3254.5	3993.0	4564.8	4943.9	4970.0	4591.0	3872.1
62.5°	1967.1	1970.4	2117.4	2525.9	3140.2	4042.0	4744.6	5182.4	5166.1	4705.4	3878.6
65°	1751.4	1761.2	1891.9	2303.7	2953.9	4002.8	4790.3	5290.3	5290.3	4790.3	3872.1
67.5°	1542.3	1539.0	1650.1	2025.9	2666.4	3829.6	4751.1	5336.0	5358.9	4845.9	3787.2
70°	1258.0	1251.5	1336.5	1686.1	2254.6	3509.4	4649.8	5375.2	5371.9	4780.5	3607.4
72.5°	931.3	928.0	986.8	1277.6	1725.3	3002.9	4349.2	5087.7	5055.0	4466.8	3257.8
75°	516.3	490.1	486.9	790.8	1003.2	2104.3	3695.7	4486.4	4499.5	3947.3	2728.5
77.5°	75.2	78.4	81.7	143.8	173.2	787.5	2401.7	3382.0	3375.4	3045.4	1990.0
80°	52.3	55.5	58.8	71.9	81.7	186.3	830.0	1705.7	1803.7	1601.1	918.2
82.5°	39.2	39.2	42.5	49.0	45.7	85.0	258.1	473.8	490.1	444.4	271.2
85°	26.1	26.1	22.9	26.1	16.3	22.9	58.8	88.2	94.8	91.5	75.2
87.5°	13.1	13.1	9.8	9.8	6.5	6.5	6.5	3.3	6.5	3.3	6.5
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°	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6	1777.6
2.5°	1767.8	1774.3	1793.9	1810.3	1829.9	1852.7	1865.8	1878.9	1891.9	1885.4	1895.2
5°	1774.3	1787.4	1816.8	1846.2	1862.5	1865.8	1869.1	1878.9	1898.5	1898.5	1914.8
7.5°	1780.8	1803.7	1803.7	1820.1	1842.9	1849.5	1852.7	1859.3	1869.1	1872.3	1869.1
10°	1780.8	1771.0	1787.4	1790.6	1780.8	1797.2	1807.0	1803.7	1813.5	1816.8	1816.8
12.5°	1761.2	1758.0	1744.9	1744.9	1741.6	1715.5	1715.5	1741.6	1741.6	1758.0	1761.2
15°	1761.2	1735.1	1718.8	1695.9	1673.0	1663.2	1650.1	1630.5	1637.1	1659.9	1666.5
17.5°	1758.0	1728.6	1679.5	1633.8	1617.5	1578.3	1565.2	1565.2	1561.9	1575.0	1578.3
20°	1771.0	1728.6	1653.4	1601.1	1512.9	1499.8	1473.7	1477.0	1480.2	1460.6	1450.8
22.5°	1807.0	1754.7	1633.8	1532.5	1463.9	1405.1	1356.1	1323.4	1320.1	1310.3	1320.1
25°	1862.5	1800.5	1637.1	1493.3	1382.2	1297.2	1264.6	1186.1	1150.2	1153.5	1173.1
27.5°	1963.8	1856.0	1653.4	1450.8	1316.8	1195.9	1091.4	1042.4	1003.2	1003.2	1009.7
30°	2058.6	1941.0	1646.9	1414.9	1215.5	1065.2	931.3	852.8	839.8	826.7	823.4
32.5°	2235.0	2048.8	1712.2	1362.6	1120.8	898.6	764.6	656.8	666.6	669.9	676.4
35°	2411.5	2222.0	1725.3	1297.2	983.5	731.9	591.4	532.6	558.8	565.3	571.8
37.5°	2646.8	2437.6	1813.5	1238.4	843.0	562.0	470.5	444.4	470.5	470.5	473.8
40°	2774.2	2538.9	1885.4	1179.6	660.1	415.0	369.2	349.6	382.3	408.5	415.0
42.5°	2953.9	2669.6	1950.8	1062.0	467.3	310.4	284.3	323.5	375.8	401.9	405.2
45°	3045.4	2735.0	1927.9	905.1	307.2	251.6	277.7	326.8	379.0	405.2	408.5
47.5°	3169.6	2826.5	1882.1	722.1	245.1	248.3	281.0	336.6	388.8	411.7	415.0
50°	3290.5	2921.2	1764.5	575.1	235.3	248.3	287.5	339.8	385.6	401.9	398.6
52.5°	3359.1	3009.5	1614.2	437.9	235.3	251.6	294.1	346.4	382.3	385.6	385.6
55°	3421.2	3019.3	1490.0	339.8	232.0	254.9	300.6	352.9	385.6	385.6	379.0
57.5°	3460.4	2980.1	1395.3	294.1	232.0	254.9	300.6	352.9	401.9	411.7	401.9
60°	3444.1	2904.9	1329.9	274.5	225.5	251.6	297.4	362.7	493.4	516.3	496.7
62.5°	3404.8	2862.4	1189.4	251.6	215.7	241.8	290.8	392.1	529.4	532.6	516.3
65°	3368.9	2721.9	1019.5	225.5	202.6	232.0	281.0	398.6	447.7	431.3	428.1
67.5°	3205.5	2538.9	777.7	199.3	183.0	218.9	271.2	366.0	398.6	379.0	372.5
70°	2973.5	2218.7	519.5	169.9	163.4	202.6	271.2	343.1	356.2	323.5	310.4
72.5°	2548.7	1836.4	284.3	137.2	137.2	186.3	245.1	320.2	330.0	290.8	267.9
75°	2074.9	1329.9	183.0	104.6	104.6	156.8	222.2	303.9	323.5	281.0	251.6
77.5°	1427.9	728.7	127.4	75.2	68.6	120.9	176.5	248.3	287.5	241.8	205.9
80°	483.6	192.8	81.7	49.0	42.5	68.6	117.6	192.8	261.4	248.3	222.2
82.5°	189.5	120.9	55.5	32.7	29.4	32.7	58.8	120.9	209.1	225.5	261.4
85°	55.5	32.7	19.6	16.3	16.3	16.3	16.3	49.0	124.2	163.4	205.9
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	29.4	52.3	68.6
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)