

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: P691986

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691986  
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-C01HO-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: 11380 lumens  
Efficiency: N/A  
Efficacy: 144.1 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

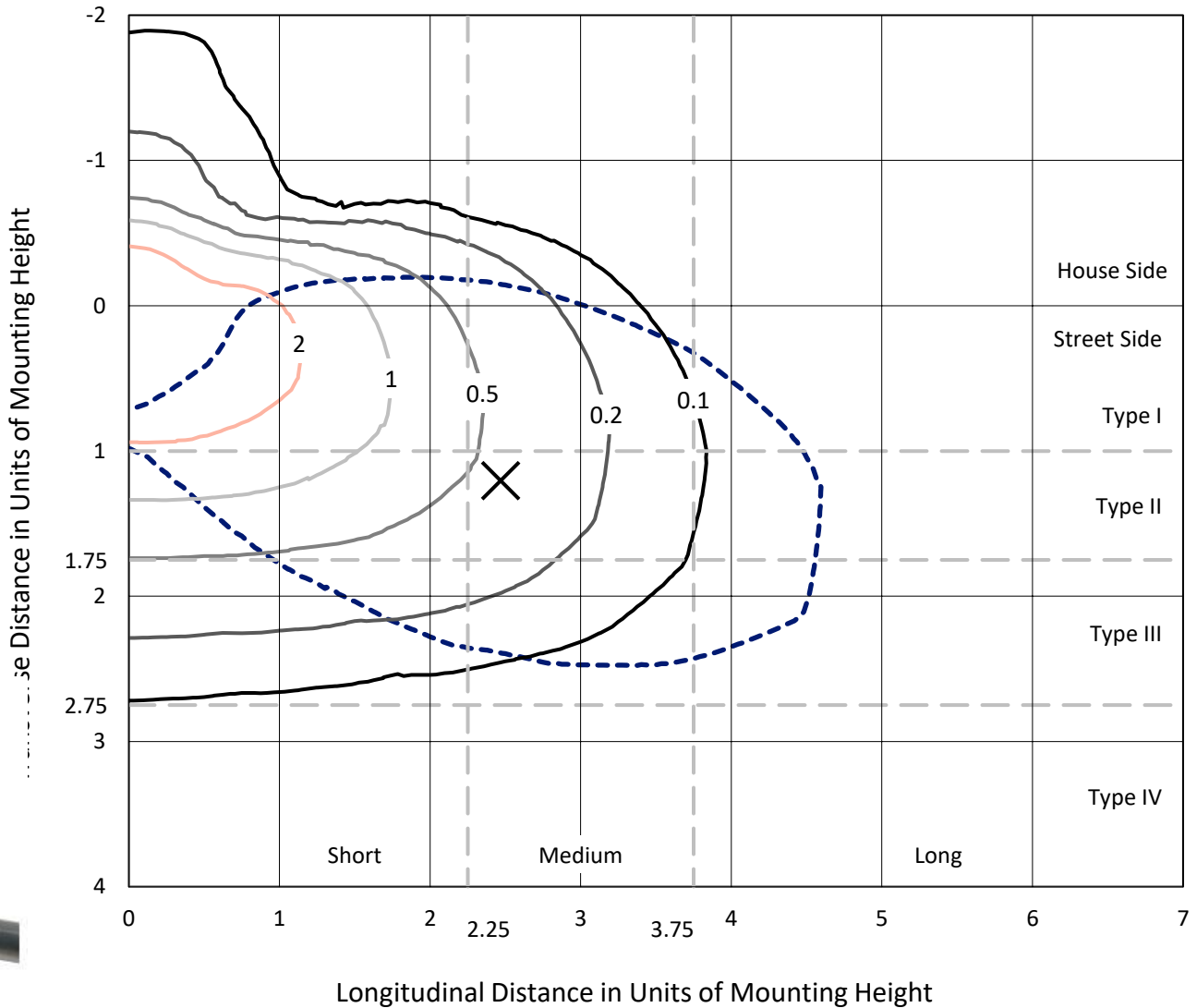
Input Watts (W): 79  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

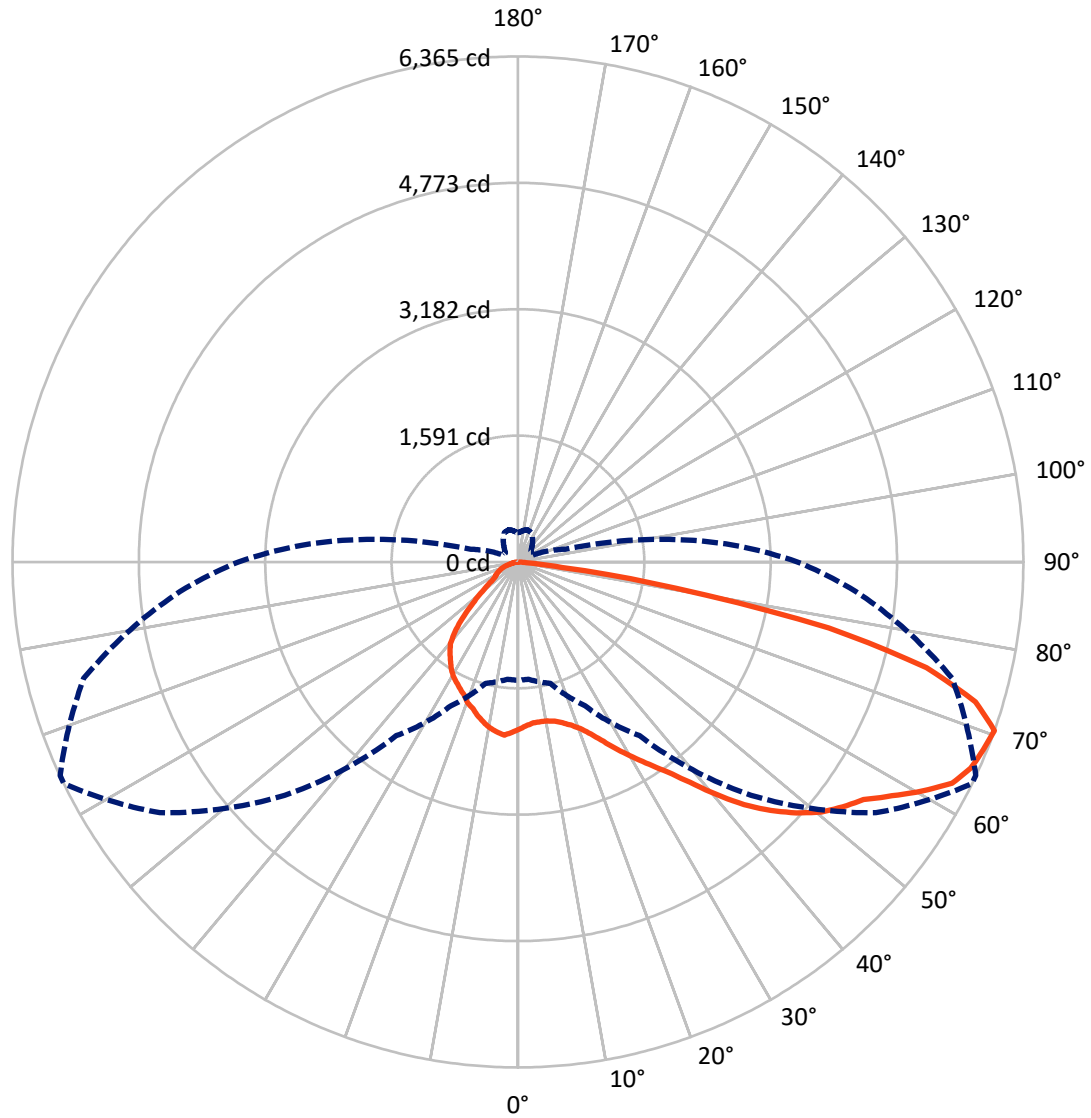
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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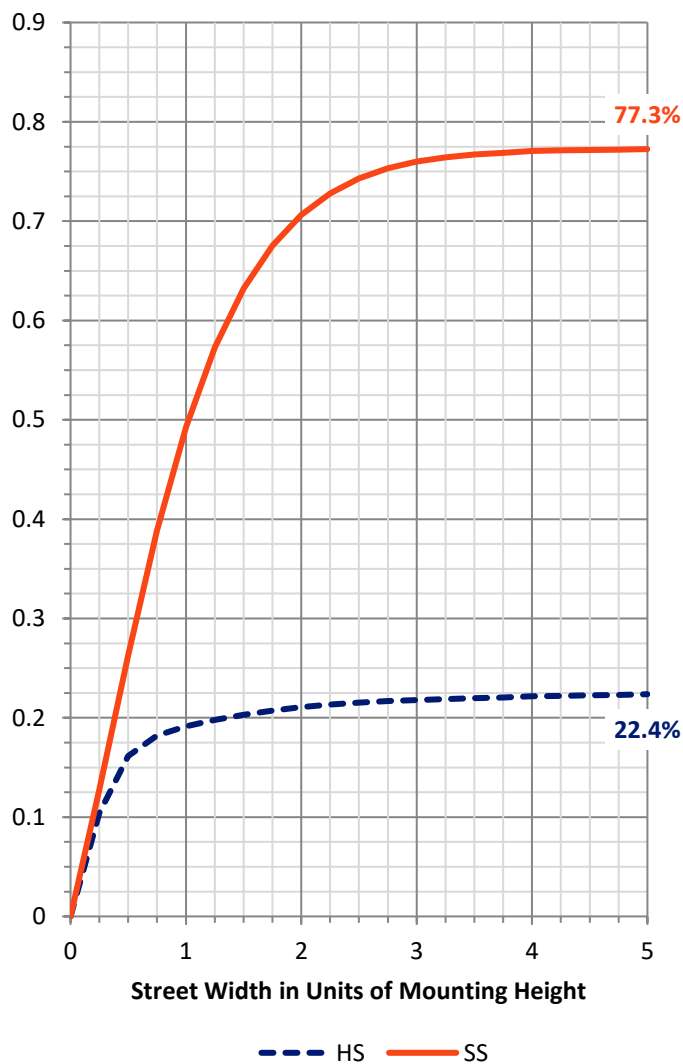
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2585.1	0.0	2585.1
	% Fixture	22.7	0.0	22.7
<b>Street Side</b>	Lumens	8794.9	0.0	8794.9
	% Fixture	77.3	0.0	77.3
<b>Total</b>	Lumens	11380.0	0.0	11380.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.5	1.8
10°-20°	593.5	5.2
20°-30°	985.1	8.7
30°-40°	1409.1	12.4
40°-50°	1881.7	16.5
50°-60°	2274.0	20.0
60°-70°	2420.1	21.3
70°-80°	1486.7	13.1
80°-90°	127.3	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°	11380.0	100.0
0°-180°	11380.0	100.0



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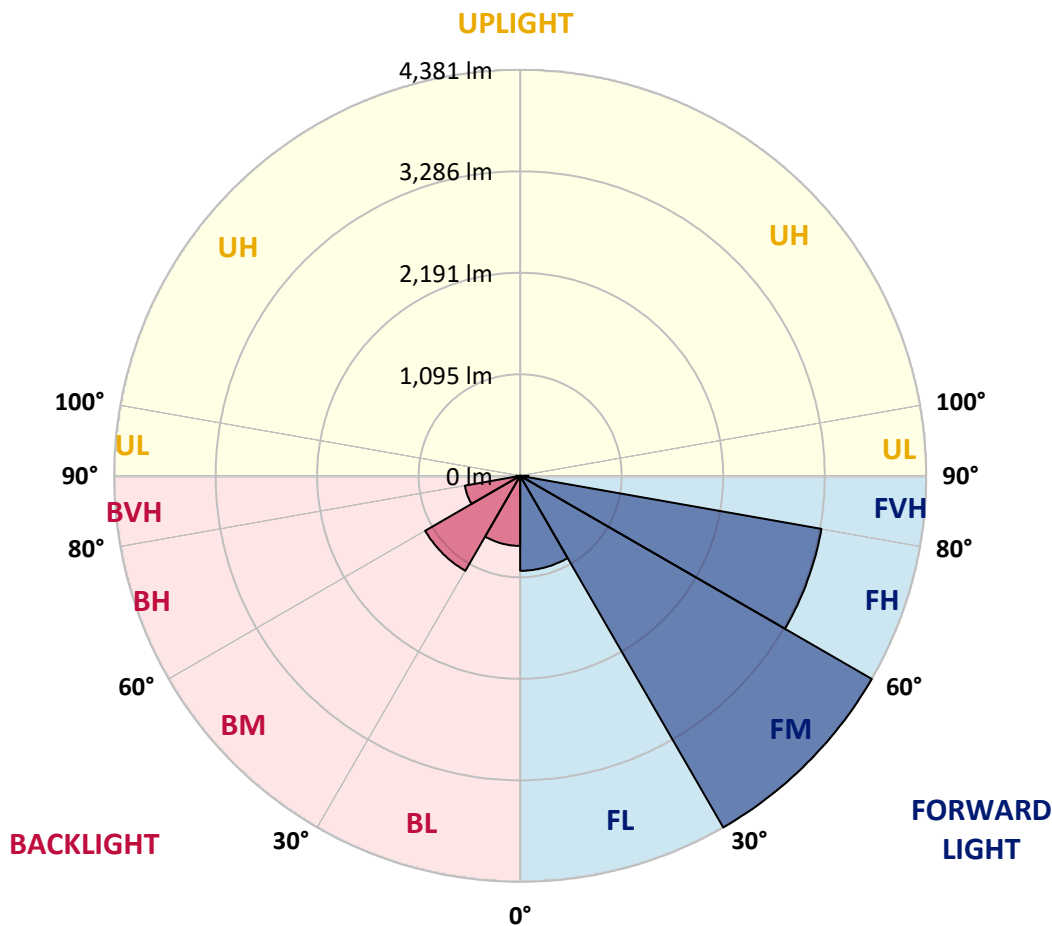
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1024.7	9.0			
FM (30°-60°)	4381.1	38.5			
FH (60°-80°)	3300.6	29.0			G2/5000
FVH (80°-90°)	88.4	0.8			G1/100
BL (0°-30°)	756.3	6.6	B2/1000		
BM (30°-60°)	1183.6	10.4	B2/2500		
BH (60°-80°)	606.3	5.3	B2/1000		G2/1000
BVH (80°-90°)	38.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8
2.5°	2054.5	2054.5	2054.5	2054.5	2058.3	2062.2	2058.3	2062.2	2062.2	2069.9	2081.5
5°	2089.3	2089.3	2081.5	2066.1	2054.5	2039.0	2031.2	2035.1	2035.1	2054.5	2085.4
7.5°	2100.9	2100.9	2093.2	2093.2	2081.5	2046.7	2035.1	2031.2	2035.1	2042.9	2085.4
10°	2158.9	2155.1	2135.7	2112.5	2097.0	2066.1	2039.0	2035.1	2039.0	2050.6	2097.0
12.5°	2220.8	2220.8	2213.1	2193.7	2151.2	2120.2	2073.8	2058.3	2054.5	2066.1	2093.2
15°	2344.6	2329.2	2298.2	2271.1	2240.2	2189.9	2128.0	2100.9	2093.2	2108.6	2097.0
17.5°	2418.2	2406.5	2410.4	2367.9	2340.8	2271.1	2209.2	2158.9	2155.1	2170.5	2120.2
20°	2499.4	2495.5	2503.3	2499.4	2456.8	2394.9	2298.2	2236.3	2228.6	2232.4	2155.1
22.5°	2623.2	2623.2	2619.3	2619.3	2596.1	2522.6	2414.3	2352.4	2340.8	2313.7	2213.1
25°	2758.6	2758.6	2758.6	2766.4	2766.4	2681.2	2572.9	2503.3	2495.5	2456.8	2309.8
27.5°	2886.3	2894.0	2897.9	2901.8	2913.4	2874.7	2754.8	2673.5	2669.6	2619.3	2437.5
30°	2986.9	2990.8	3025.6	3033.3	3056.5	3044.9	2928.9	2851.5	2859.2	2793.4	2580.7
32.5°	3075.9	3079.8	3130.1	3157.1	3184.2	3188.1	3091.4	3037.2	3037.2	2979.2	2754.8
35°	3161.0	3164.9	3226.8	3292.6	3346.7	3331.2	3277.1	3246.1	3257.7	3238.4	2994.6
37.5°	3234.5	3250.0	3331.2	3428.0	3489.9	3501.5	3478.3	3520.8	3544.0	3575.0	3319.6
40°	3304.2	3311.9	3389.3	3489.9	3594.3	3648.5	3675.6	3849.7	3872.9	3896.1	3505.4
42.5°	3238.4	3253.9	3420.2	3571.1	3702.7	3795.5	3923.2	4178.6	4228.9	4101.2	3756.8
45°	3161.0	3180.4	3346.7	3602.1	3787.8	3958.0	4194.0	4464.9	4503.6	4310.1	3892.3
47.5°	3095.2	3118.4	3288.7	3575.0	3876.8	4178.6	4414.6	4720.2	4743.4	4488.1	4078.0
50°	3021.7	3041.1	3222.9	3540.2	3923.2	4379.8	4646.7	4952.4	4960.1	4635.1	4174.7
52.5°	2925.0	2944.3	3130.1	3486.0	3958.0	4515.2	4840.2	5122.6	5091.7	4824.7	4286.9
55°	2801.2	2828.3	3029.5	3412.5	3977.4	4596.4	4971.7	5281.2	5265.8	5049.1	4433.9
57.5°	2669.6	2696.7	2901.8	3311.9	3958.0	4646.7	5107.1	5555.9	5552.1	5230.9	4542.3
60°	2522.6	2545.8	2719.9	3180.4	3853.6	4728.0	5405.1	5853.9	5884.8	5436.0	4584.8
62.5°	2329.2	2333.0	2507.1	2990.8	3718.1	4786.0	5617.8	6136.3	6117.0	5571.4	4592.6
65°	2073.8	2085.4	2240.2	2727.7	3497.6	4739.6	5672.0	6264.0	6264.0	5672.0	4584.8
67.5°	1826.2	1822.3	1953.9	2398.8	3157.1	4534.5	5625.6	6318.1	6345.2	5737.8	4484.2
70°	1489.6	1481.8	1582.4	1996.4	2669.6	4155.4	5505.6	6364.6	6360.7	5660.4	4271.4
72.5°	1102.7	1098.8	1168.5	1512.8	2042.9	3555.6	5149.7	6024.1	5985.4	5289.0	3857.4
75°	611.3	580.4	576.5	936.3	1187.8	2491.7	4375.9	5312.2	5327.7	4673.8	3230.6
77.5°	89.0	92.9	96.7	170.2	205.1	932.4	2843.7	4004.5	3996.7	3605.9	2356.2
80°	61.9	65.8	69.6	85.1	96.7	220.5	982.7	2019.6	2135.7	1895.8	1087.2
82.5°	46.4	46.4	50.3	58.0	54.2	100.6	305.7	561.0	580.4	526.2	321.1
85°	31.0	31.0	27.1	31.0	19.3	27.1	69.6	104.5	112.2	108.3	89.0
87.5°	15.5	15.5	11.6	11.6	7.7	7.7	7.7	3.9	7.7	3.9	7.7
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°	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8	2104.8
2.5°	2093.2	2100.9	2124.1	2143.4	2166.7	2193.7	2209.2	2224.7	2240.2	2232.4	2244.0
5°	2100.9	2116.4	2151.2	2186.0	2205.4	2209.2	2213.1	2224.7	2247.9	2247.9	2267.3
7.5°	2108.6	2135.7	2135.7	2155.1	2182.1	2189.9	2193.7	2201.5	2213.1	2217.0	2213.1
10°	2108.6	2097.0	2116.4	2120.2	2108.6	2128.0	2139.6	2135.7	2147.3	2151.2	2151.2
12.5°	2085.4	2081.5	2066.1	2066.1	2062.2	2031.2	2031.2	2062.2	2062.2	2081.5	2085.4
15°	2085.4	2054.5	2035.1	2008.0	1980.9	1969.3	1953.9	1930.7	1938.4	1965.5	1973.2
17.5°	2081.5	2046.7	1988.7	1934.5	1915.2	1868.7	1853.3	1853.3	1849.4	1864.9	1868.7
20°	2097.0	2046.7	1957.7	1895.8	1791.4	1775.9	1744.9	1748.8	1752.7	1729.5	1717.9
22.5°	2139.6	2077.7	1934.5	1814.6	1733.3	1663.7	1605.7	1567.0	1563.1	1551.5	1563.1
25°	2205.4	2131.8	1938.4	1768.2	1636.6	1536.0	1497.3	1404.5	1361.9	1365.8	1389.0
27.5°	2325.3	2197.6	1957.7	1717.9	1559.2	1416.1	1292.3	1234.2	1187.8	1187.8	1195.5
30°	2437.5	2298.2	1950.0	1675.3	1439.3	1261.3	1102.7	1009.8	994.3	978.9	975.0
32.5°	2646.4	2425.9	2027.4	1613.4	1327.1	1064.0	905.4	777.7	789.3	793.2	800.9
35°	2855.4	2630.9	2042.9	1536.0	1164.6	866.7	700.3	630.7	661.6	669.3	677.1
37.5°	3133.9	2886.3	2147.3	1466.4	998.2	665.5	557.1	526.2	557.1	557.1	561.0
40°	3284.8	3006.2	2232.4	1396.7	781.5	491.4	437.2	414.0	452.7	483.6	491.4
42.5°	3497.6	3161.0	2309.8	1257.4	553.3	367.6	336.6	383.0	444.9	475.9	479.8
45°	3605.9	3238.4	2282.7	1071.7	363.7	297.9	328.9	386.9	448.8	479.8	483.6
47.5°	3753.0	3346.7	2228.6	855.1	290.2	294.0	332.7	398.5	460.4	487.5	491.4
50°	3896.1	3458.9	2089.3	681.0	278.6	294.0	340.5	402.4	456.5	475.9	472.0
52.5°	3977.4	3563.4	1911.3	518.5	278.6	297.9	348.2	410.1	452.7	456.5	456.5
55°	4050.9	3575.0	1764.3	402.4	274.7	301.8	356.0	417.9	456.5	456.5	448.8
57.5°	4097.3	3528.6	1652.1	348.2	274.7	301.8	356.0	417.9	475.9	487.5	475.9
60°	4078.0	3439.6	1574.7	325.0	267.0	297.9	352.1	429.5	584.2	611.3	588.1
62.5°	4031.5	3389.3	1408.3	297.9	255.4	286.3	344.3	464.3	626.8	630.7	611.3
65°	3989.0	3222.9	1207.1	267.0	239.9	274.7	332.7	472.0	530.1	510.7	506.8
67.5°	3795.5	3006.2	920.8	236.0	216.7	259.2	321.1	433.3	472.0	448.8	441.1
70°	3520.8	2627.1	615.2	201.2	193.5	239.9	321.1	406.2	421.7	383.0	367.6
72.5°	3017.9	2174.4	336.6	162.5	162.5	220.5	290.2	379.2	390.8	344.3	317.3
75°	2456.8	1574.7	216.7	123.8	123.8	185.7	263.1	359.8	383.0	332.7	297.9
77.5°	1690.8	862.8	150.9	89.0	81.2	143.2	208.9	294.0	340.5	286.3	243.7
80°	572.6	228.3	96.7	58.0	50.3	81.2	139.3	228.3	309.5	294.0	263.1
82.5°	224.4	143.2	65.8	38.7	34.8	38.7	69.6	143.2	247.6	267.0	309.5
85°	65.8	38.7	23.2	19.3	19.3	19.3	19.3	58.0	147.0	193.5	243.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	34.8	61.9	81.2
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)