

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: P511030

Luminaire Tested: **USSL-P-C01-D-U-T2-7030**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-C01-D-U-T2-7030  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1650mA LED AND TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11312 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

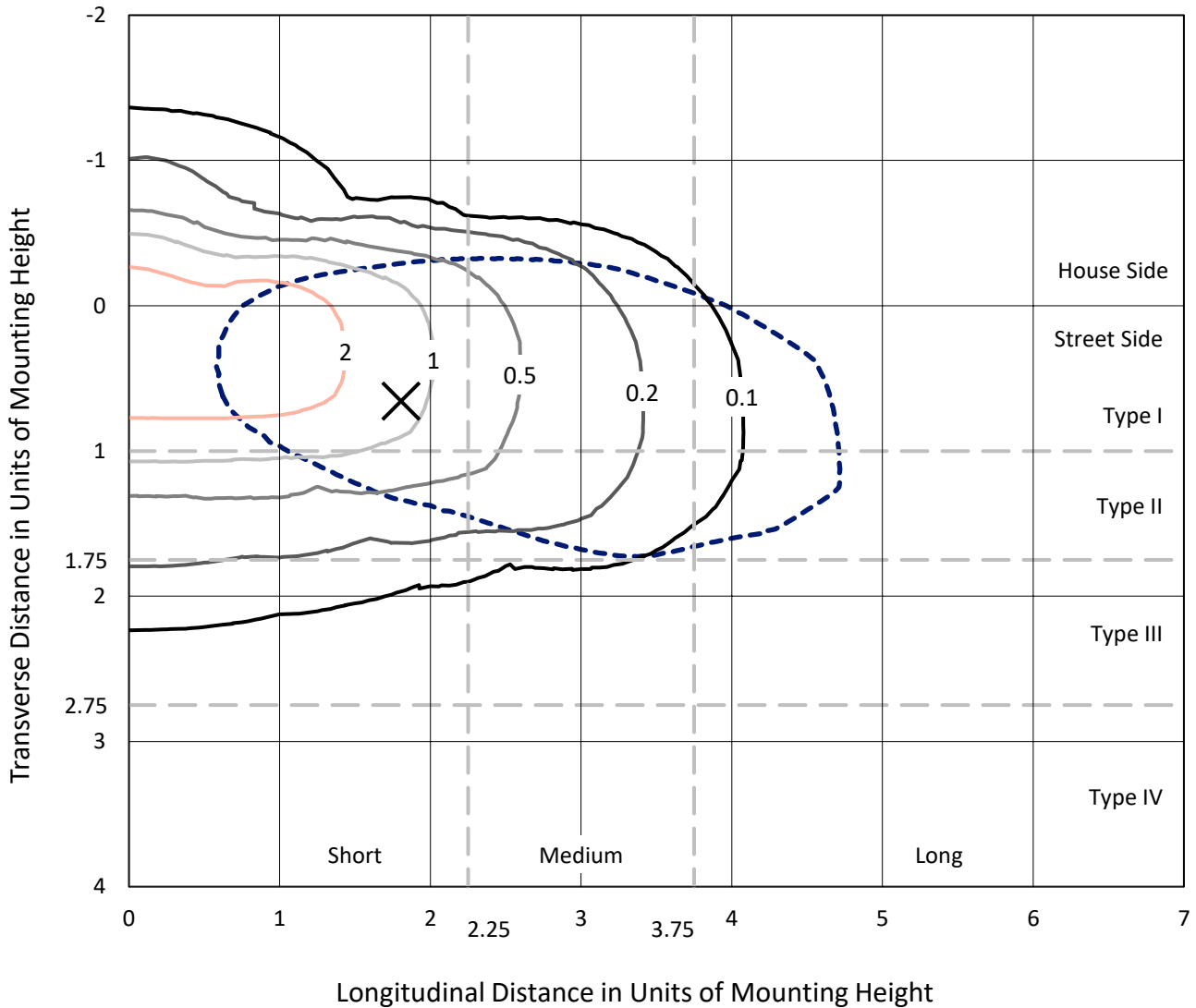
Input Watts (W): 94.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

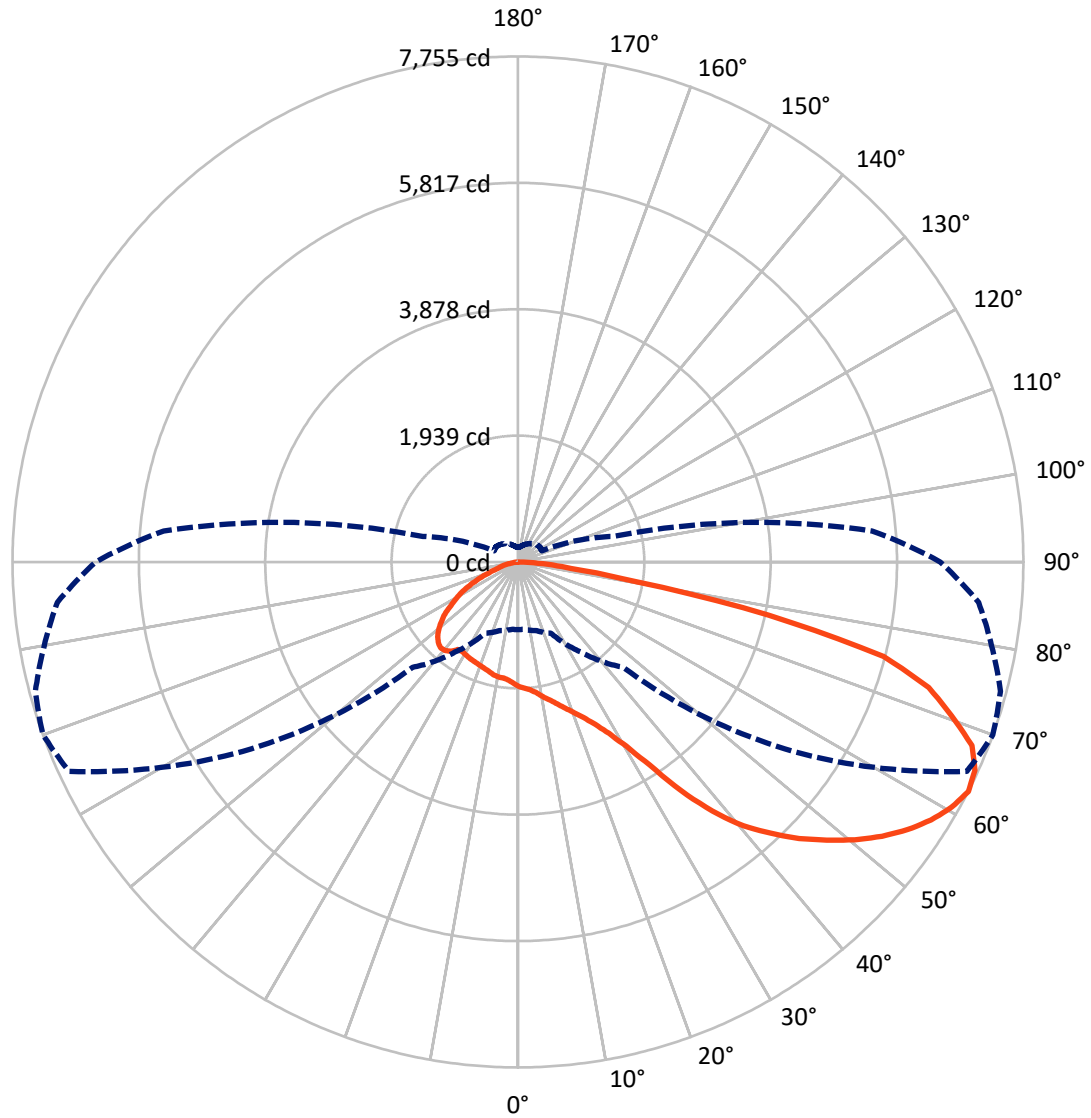
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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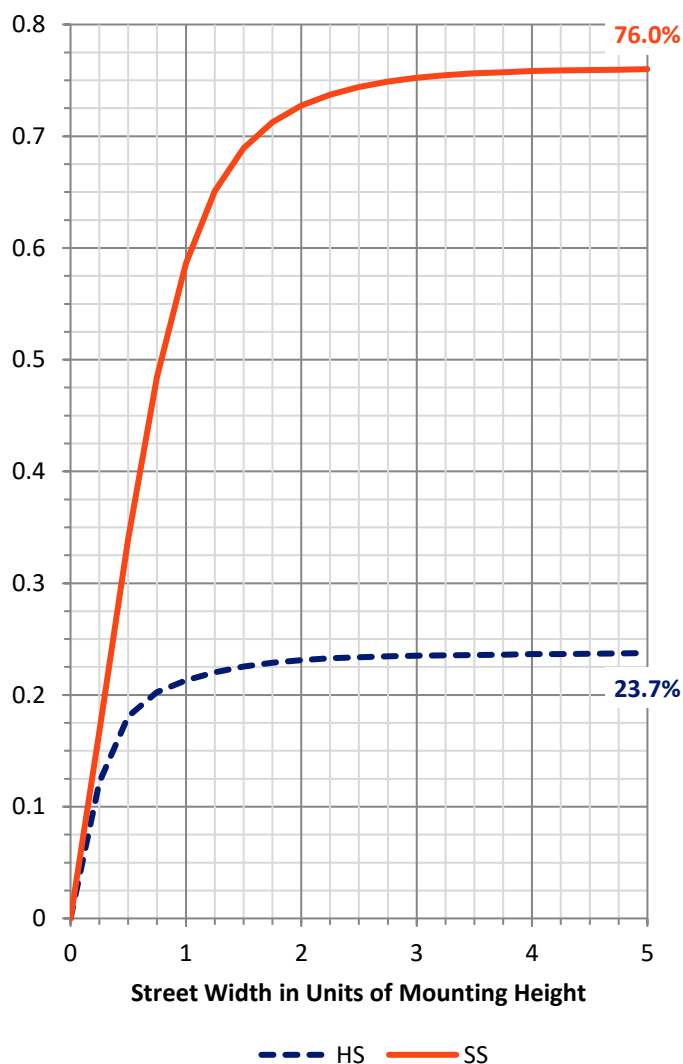
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2717.8	0.0	2717.8
	% Fixture	24.0	0.0	24.0
<b>Street Side</b>	Lumens	8594.2	0.0	8594.2
	% Fixture	76.0	0.0	76.0
<b>Total</b>	Lumens	11312.0	0.0	11312.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.2	1.6
10°-20°	561.8	5.0
20°-30°	955.4	8.4
30°-40°	1444.4	12.8
40°-50°	1993.3	17.6
50°-60°	2327.6	20.6
60°-70°	2285.9	20.2
70°-80°	1372.4	12.1
80°-90°	188.0	1.7
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°	11312.0	100.0
0°-180°	11312.0	100.0

**Coefficient of Utilization**



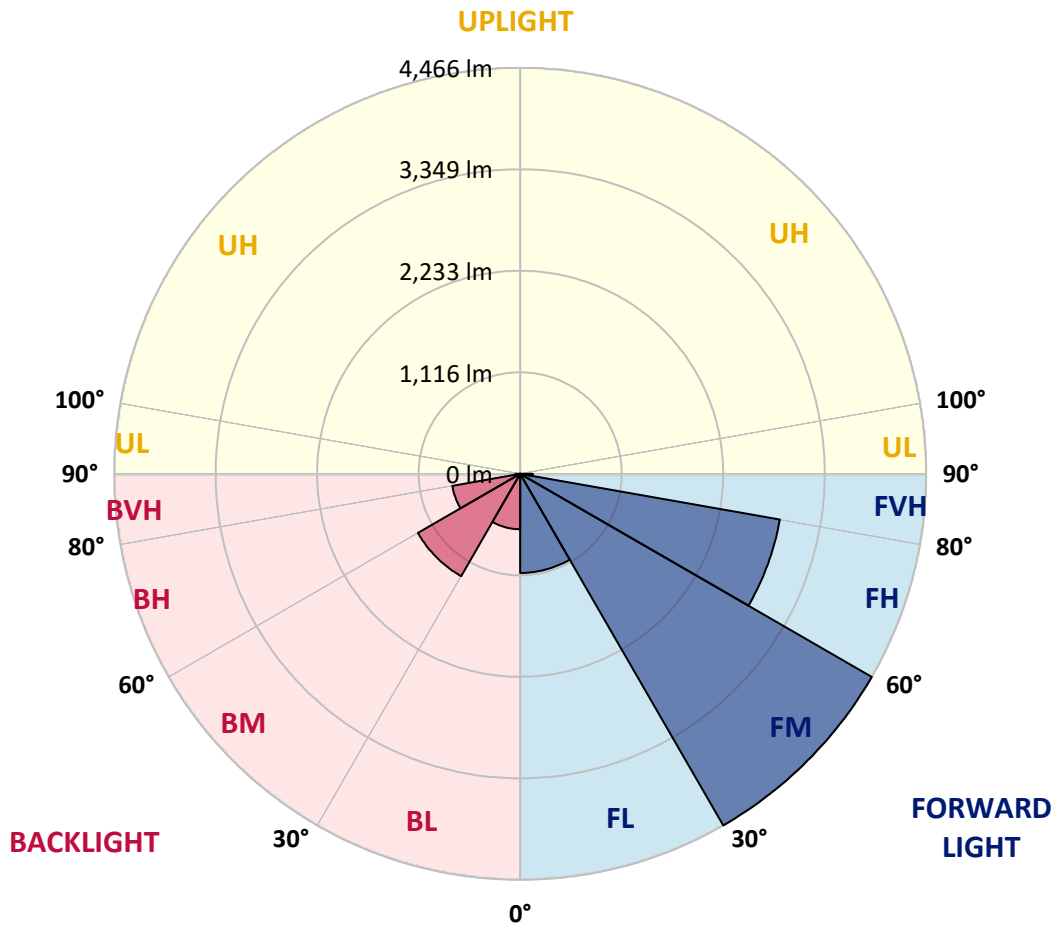
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1090.2	9.6			
FM (30°-60°)	4465.5	39.5			
FH (60°-80°)	2899.9	25.6			G2/5000
FVH (80°-90°)	138.6	1.2			G2/225
BL (0°-30°)	610.2	5.4	B2/1000		
BM (30°-60°)	1299.8	11.5	B2/2500		
BH (60°-80°)	758.4	6.7	B2/1000		G2/1000
BVH (80°-90°)	49.4	0.4			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2
2.5°	2022.9	2025.3	2011.1	2004.0	1994.5	1987.4	1968.5	1951.9	1940.0	1930.6	1911.6
5°	2136.6	2134.3	2120.1	2094.0	2077.4	2053.7	2013.5	1985.0	1968.5	1949.5	1911.6
7.5°	2250.3	2240.9	2226.7	2203.0	2181.6	2148.5	2105.8	2049.0	2025.3	1994.5	1935.3
10°	2345.1	2345.1	2340.4	2319.0	2295.3	2250.3	2207.7	2141.4	2101.1	2056.1	1970.8
12.5°	2439.8	2437.5	2423.3	2411.4	2387.7	2347.5	2297.7	2224.3	2172.2	2124.8	2008.7
15°	2537.0	2532.2	2515.6	2499.1	2465.9	2435.1	2385.4	2316.7	2259.8	2200.6	2053.7
17.5°	2638.8	2631.7	2610.4	2600.9	2563.0	2532.2	2492.0	2418.5	2359.3	2288.2	2117.7
20°	2714.6	2712.3	2693.3	2688.6	2669.6	2634.1	2603.3	2539.3	2468.3	2392.5	2191.1
22.5°	2773.8	2773.8	2769.1	2778.6	2785.7	2762.0	2721.7	2667.2	2591.4	2518.0	2285.9
25°	2816.5	2816.5	2833.1	2861.5	2901.8	2899.4	2880.4	2826.0	2762.0	2679.1	2406.7
27.5°	2830.7	2833.1	2856.8	2930.2	3020.2	3046.3	3036.8	3022.6	2977.6	2875.7	2572.5
30°	2830.7	2833.1	2882.8	2987.0	3131.5	3200.2	3228.6	3292.6	3278.4	3202.6	2854.4
32.5°	2790.4	2795.2	2859.1	3006.0	3207.3	3337.6	3441.8	3650.3	3711.9	3726.1	3375.5
35°	2643.6	2655.4	2759.6	2979.9	3268.9	3505.8	3716.6	4124.0	4308.8	4325.4	3932.2
37.5°	2515.6	2522.8	2664.9	2927.8	3306.8	3659.8	4012.7	4652.3	4851.3	4848.9	4363.3
40°	2394.8	2409.1	2544.1	2844.9	3302.1	3794.8	4313.6	5126.0	5325.0	5246.9	4725.7
42.5°	2257.4	2274.0	2404.3	2740.7	3271.3	3918.0	4604.9	5561.9	5689.8	5644.8	5085.8
45°	2110.6	2117.7	2252.7	2570.1	3200.2	3993.8	4884.4	5945.6	6052.2	5969.3	5405.6
47.5°	1977.9	1987.4	2101.1	2399.6	3065.2	4017.5	5130.8	6286.7	6376.8	6308.1	5692.2
50°	1572.9	1601.3	1935.3	2245.6	2866.2	3967.7	5362.9	6592.3	6698.9	6608.9	5993.0
52.5°	1357.3	1373.9	1506.5	2086.9	2600.9	3835.1	5526.4	6900.3	6992.6	6874.2	6253.6
55°	1269.7	1272.0	1350.2	1783.7	2383.0	3610.0	5623.5	7179.8	7250.8	7134.8	6514.1
57.5°	1191.5	1203.3	1272.0	1454.4	2172.2	3202.6	5628.2	7390.6	7471.1	7326.6	6727.3
60°	1103.9	1113.3	1191.5	1314.7	1930.6	2674.4	5431.6	7573.0	7644.1	7520.9	6938.2
62.5°	1035.2	1037.5	1089.6	1208.1	1688.9	2285.9	5002.9	7599.1	7755.4	7665.4	7094.5
65°	952.3	957.0	1009.1	1113.3	1492.3	1987.4	4519.6	7452.2	7705.6	7708.0	7179.8
67.5°	845.7	848.0	904.9	1009.1	1291.0	1757.6	3723.7	7300.6	7511.4	7551.7	7009.2
70°	703.5	717.7	767.5	867.0	1094.4	1487.6	2830.7	6876.6	7059.0	7163.2	6566.3
72.5°	533.0	556.7	618.3	722.5	878.8	1246.0	1989.8	6222.8	6589.9	6663.4	5917.2
75°	111.3	113.7	184.8	381.4	710.6	966.5	1364.4	4732.8	5796.4	5919.6	5028.9
77.5°	49.7	54.5	85.3	127.9	229.8	623.0	893.0	2482.5	3936.9	4621.5	3970.1
80°	37.9	40.3	68.7	101.9	142.1	187.1	440.6	1364.4	1828.7	2555.9	2672.0
82.5°	21.3	23.7	45.0	73.4	90.0	85.3	182.4	592.2	819.6	1037.5	1302.8
85°	11.8	14.2	26.1	40.3	37.9	42.6	80.5	315.0	466.6	615.9	658.5
87.5°	4.7	7.1	9.5	14.2	14.2	11.8	14.2	59.2	85.3	80.5	56.9
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°	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2
2.5°	1902.1	1890.3	1871.3	1852.4	1835.8	1821.6	1807.4	1802.6	1800.3	1800.3	1809.7
5°	1892.7	1873.7	1835.8	1802.6	1769.5	1745.8	1726.8	1707.9	1707.9	1703.2	1703.2
7.5°	1904.5	1876.1	1819.2	1769.5	1726.8	1693.7	1672.4	1651.0	1639.2	1636.8	1636.8
10°	1928.2	1892.7	1821.6	1757.6	1703.2	1651.0	1617.9	1584.7	1565.8	1556.3	1558.7
12.5°	1951.9	1899.8	1812.1	1733.9	1660.5	1594.2	1537.3	1490.0	1468.6	1471.0	1471.0
15°	1975.6	1911.6	1788.4	1691.3	1601.3	1516.0	1459.2	1409.4	1378.6	1373.9	1381.0
17.5°	2022.9	1935.3	1779.0	1651.0	1539.7	1440.2	1385.7	1345.5	1288.6	1288.6	1283.9
20°	2079.8	1975.6	1781.3	1608.4	1475.8	1362.0	1298.1	1260.2	1210.4	1182.0	1174.9
22.5°	2153.2	2030.0	1786.1	1568.1	1407.1	1281.5	1196.2	1148.9	1113.3	1073.1	1066.0
25°	2257.4	2096.4	1797.9	1527.9	1333.6	1189.1	1080.2	1018.6	978.3	933.3	930.9
27.5°	2373.5	2172.2	1809.7	1487.6	1248.3	1073.1	935.7	867.0	833.8	812.5	805.4
30°	2567.8	2297.7	1826.3	1440.2	1146.5	921.5	786.4	743.8	717.7	670.4	679.8
32.5°	3055.7	2627.0	1845.3	1385.7	1042.3	786.4	686.9	634.8	587.5	551.9	549.6
35°	3527.1	3051.0	1937.7	1324.1	914.3	658.5	594.6	521.1	464.3	447.7	447.7
37.5°	3941.7	3403.9	2162.7	1267.3	788.8	589.8	495.1	438.2	402.7	379.0	407.4
40°	4308.8	3759.3	2330.9	1186.8	653.8	506.9	398.0	379.0	357.7	352.9	355.3
42.5°	4633.3	4038.8	2461.2	1084.9	556.7	414.5	345.8	362.4	360.1	357.7	348.2
45°	4953.1	4318.3	2544.1	938.0	476.1	352.9	341.1	367.2	369.5	369.5	360.1
47.5°	5225.5	4557.5	2596.2	772.2	407.4	350.6	350.6	355.3	369.5	374.3	369.5
50°	5500.3	4775.5	2593.8	601.7	402.7	367.2	355.3	343.5	355.3	343.5	341.1
52.5°	5768.0	4967.3	2492.0	490.3	416.9	388.5	357.7	336.4	317.4	317.4	307.9
55°	5985.9	5128.4	2295.3	459.5	431.1	400.3	360.1	329.3	303.2	281.9	293.7
57.5°	6184.9	5287.1	2004.0	447.7	431.1	398.0	360.1	322.2	291.4	260.6	246.4
60°	6369.7	5422.1	1755.3	426.4	428.7	388.5	350.6	312.7	270.0	239.2	229.8
62.5°	6478.6	5457.7	1511.3	402.7	409.8	379.0	343.5	303.2	260.6	227.4	222.7
65°	6452.6	5358.2	1215.2	376.6	393.2	367.2	331.6	286.6	244.0	210.8	201.3
67.5°	6201.5	4974.4	933.3	338.7	367.2	350.6	312.7	234.5	142.1	116.1	118.4
70°	5649.5	4474.6	660.9	289.0	322.2	317.4	239.2	158.7	113.7	90.0	97.1
72.5°	5000.5	3870.6	457.2	227.4	244.0	222.7	182.4	137.4	97.1	75.8	75.8
75°	4164.3	3100.7	343.5	184.8	127.9	154.0	156.3	120.8	97.1	113.7	125.5
77.5°	3250.0	2293.0	272.4	146.9	56.9	85.3	113.7	101.9	172.9	180.0	168.2
80°	2181.6	1549.2	213.2	49.7	30.8	35.5	68.7	139.8	144.5	80.5	75.8
82.5°	1208.1	807.8	90.0	28.4	16.6	19.0	35.5	182.4	94.8	73.4	71.1
85°	556.7	341.1	33.2	14.2	9.5	9.5	9.5	30.8	19.0	14.2	19.0
87.5°	42.6	26.1	7.1	4.7	4.7	2.4	0.0	2.4	2.4	2.4	2.4
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)