

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: P511029

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511029  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-3)  
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-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1650mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10599 lumens  
Efficiency: N/A  
Efficacy: 112.6 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

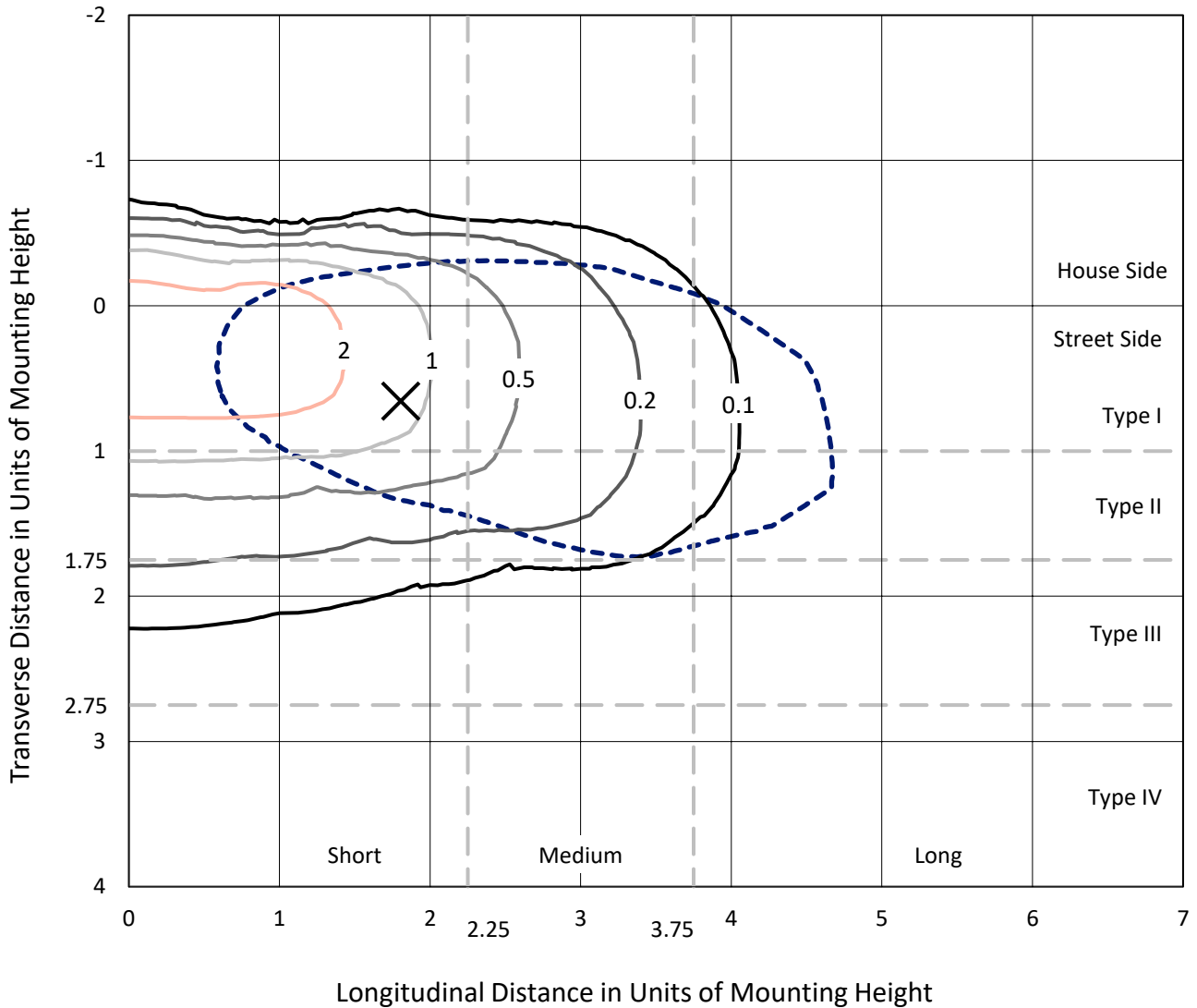
Input Watts (W): 94.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

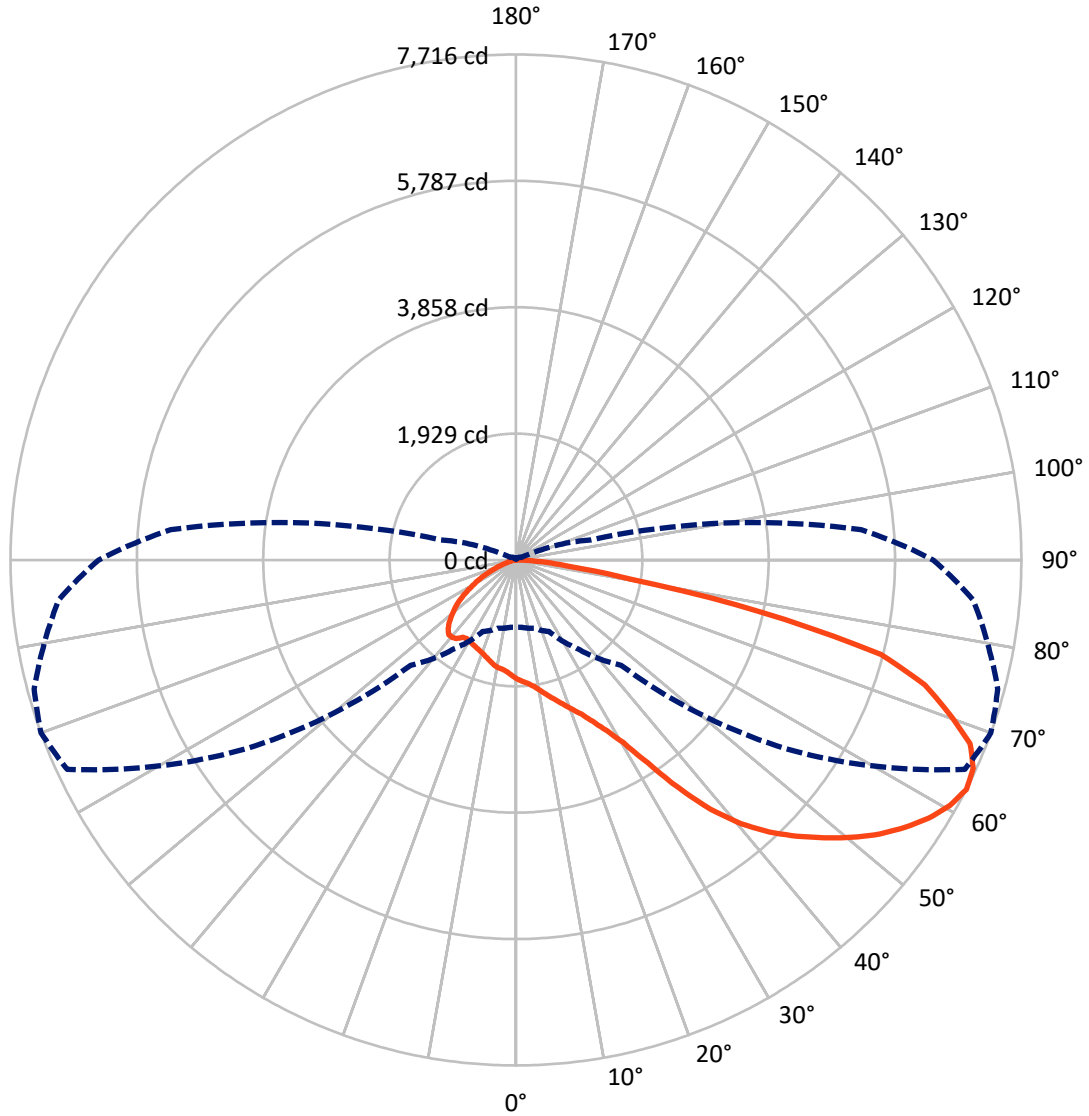
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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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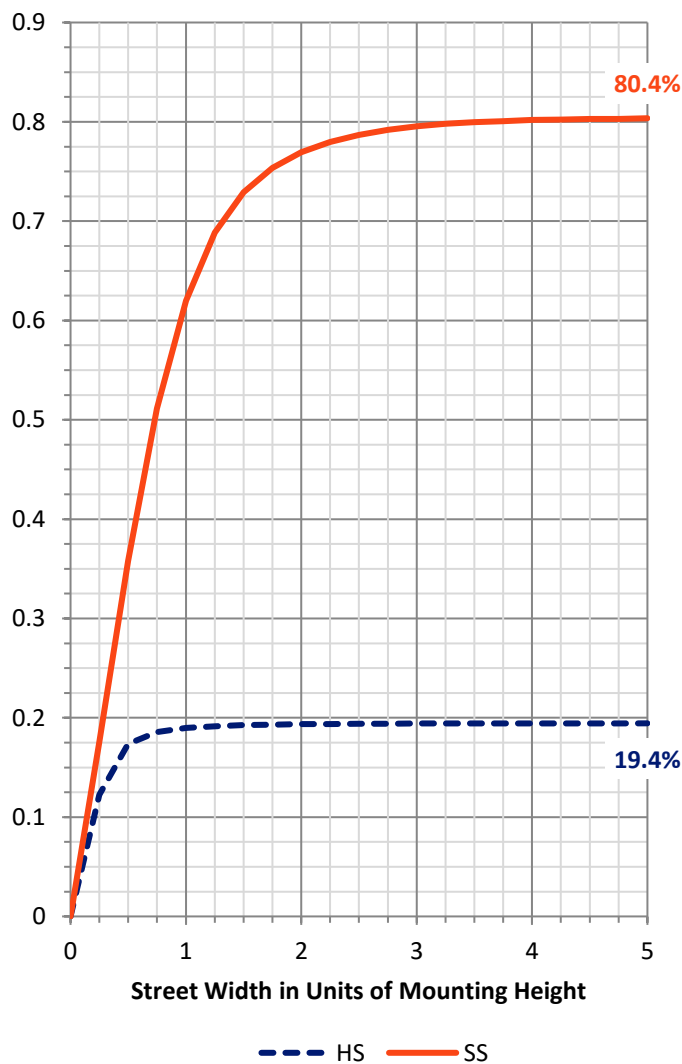
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2085.0	0.0	2085.0
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	8514.0	0.0	8514.0
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	10599.0	0.0	10599.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.7	1.6
10°-20°	519.7	4.9
20°-30°	878.6	8.3
30°-40°	1347.0	12.7
40°-50°	1878.3	17.7
50°-60°	2187.9	20.6
60°-70°	2149.3	20.3
70°-80°	1293.1	12.2
80°-90°	172.3	1.6
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°	10599.0	100.0
0°-180°	10599.0	100.0

**Coefficient of Utilization**

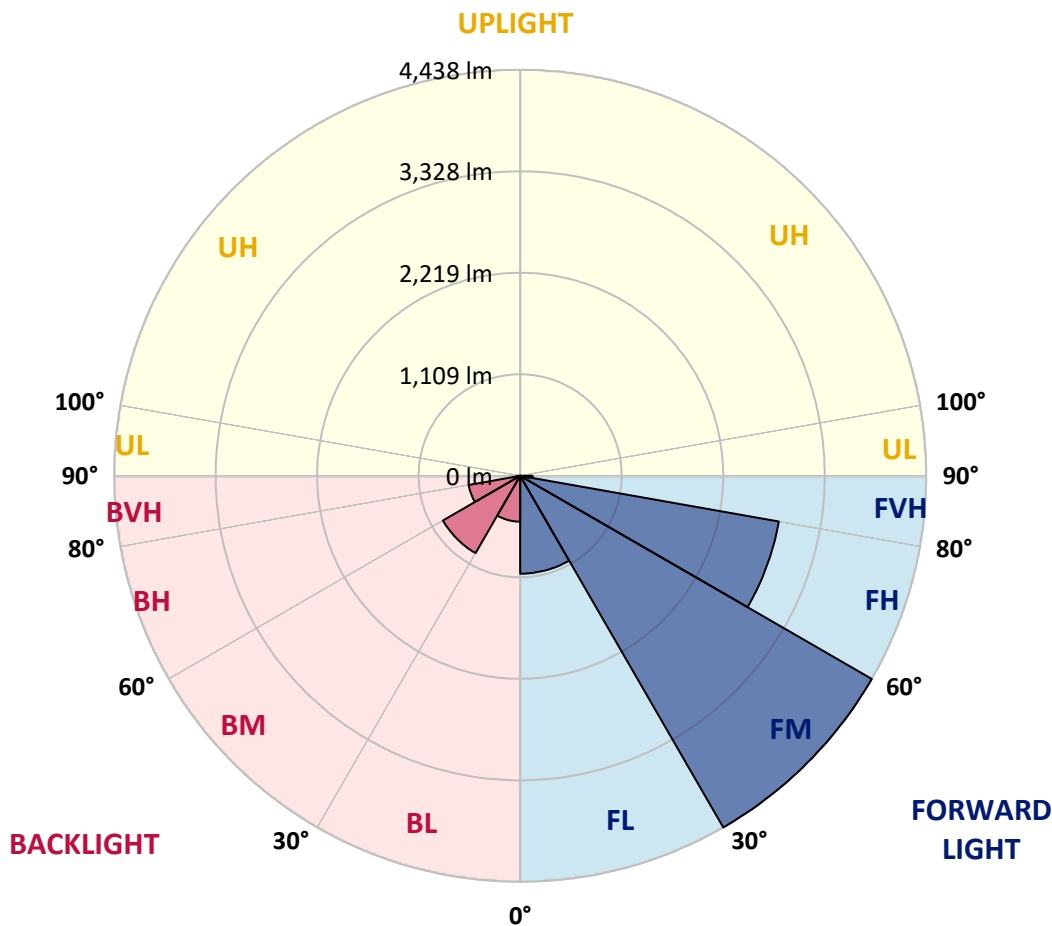


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1069.9	10.1			
FM (30°-60°)	4437.7	41.9			
FH (60°-80°)	2870.4	27.1			G2/5000
FVH (80°-90°)	136.0	1.3			G2/225
BL (0°-30°)	501.2	4.7	B2/1000		
BM (30°-60°)	975.5	9.2	B1/1000		
BH (60°-80°)	572.0	5.4	B2/1000		G2/1000
BVH (80°-90°)	36.3	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7
2.5°	1942.6	1942.6	1935.5	1926.0	1916.5	1904.7	1885.7	1866.8	1854.9	1845.5	1821.8
5°	2077.6	2072.9	2058.7	2032.6	2001.8	1975.8	1945.0	1907.1	1890.5	1869.2	1826.5
7.5°	2189.0	2186.6	2170.0	2153.4	2127.4	2091.9	2035.0	1968.7	1947.3	1918.9	1850.2
10°	2295.6	2295.6	2283.7	2264.8	2236.4	2203.2	2151.1	2077.6	2025.5	1980.5	1888.1
12.5°	2388.0	2388.0	2371.4	2354.8	2328.8	2293.2	2243.5	2165.3	2110.8	2061.1	1928.4
15°	2487.5	2480.4	2463.8	2454.3	2416.4	2385.6	2340.6	2257.7	2207.9	2141.6	1975.8
17.5°	2587.0	2577.5	2556.2	2546.7	2515.9	2480.4	2442.5	2369.0	2309.8	2234.0	2042.1
20°	2662.8	2658.0	2643.8	2641.5	2624.9	2582.2	2556.2	2482.7	2425.9	2340.6	2115.5
22.5°	2750.4	2748.1	2741.0	2729.1	2733.9	2722.0	2686.5	2622.5	2556.2	2478.0	2219.8
25°	2788.3	2790.7	2804.9	2833.4	2854.7	2852.3	2831.0	2783.6	2731.5	2639.1	2347.7
27.5°	2809.7	2809.7	2833.4	2906.8	2996.8	3003.9	2994.5	2987.3	2944.7	2842.8	2520.6
30°	2814.4	2816.8	2864.2	2963.7	3108.2	3172.1	3195.8	3245.6	3236.1	3169.8	2786.0
32.5°	2774.1	2778.9	2845.2	2989.7	3188.7	3330.9	3409.0	3631.7	3690.9	3695.7	3345.1
35°	2632.0	2636.7	2750.4	2963.7	3250.3	3489.6	3681.5	4081.8	4264.2	4302.2	3880.5
37.5°	2492.2	2511.2	2643.8	2913.9	3290.6	3641.2	3984.7	4619.6	4828.1	4802.0	4306.9
40°	2378.5	2392.7	2527.8	2831.0	3292.9	3785.7	4306.9	5088.7	5292.4	5211.9	4683.6
42.5°	2245.8	2257.7	2385.6	2722.0	3259.8	3906.5	4600.7	5534.0	5676.2	5593.3	5034.2
45°	2091.9	2106.1	2236.4	2558.5	3191.1	3984.7	4863.6	5879.9	6015.0	5946.3	5354.0
47.5°	1959.2	1971.0	2091.9	2388.0	3058.4	4006.0	5121.8	6251.9	6337.1	6249.5	5640.7
50°	1535.1	1606.2	1926.0	2236.4	2849.9	3961.0	5335.0	6569.3	6654.6	6571.7	5906.0
52.5°	1350.3	1357.5	1487.7	2075.3	2594.1	3830.7	5498.5	6846.5	6953.1	6844.1	6195.0
55°	1260.3	1267.4	1333.8	1805.2	2378.5	3612.8	5607.5	7126.0	7204.2	7078.7	6450.9
57.5°	1182.1	1196.4	1265.1	1435.6	2160.6	3219.5	5607.5	7358.2	7434.0	7282.4	6661.7
60°	1094.5	1104.0	1184.5	1307.7	1918.9	2693.6	5403.8	7533.5	7611.7	7479.0	6863.1
62.5°	1023.4	1032.9	1080.3	1205.8	1658.3	2271.9	5017.6	7559.6	7715.9	7614.1	7007.6
65°	935.8	942.9	997.4	1106.3	1485.4	1980.5	4501.2	7422.2	7670.9	7652.0	7088.1
67.5°	826.8	841.0	895.5	992.6	1284.0	1746.0	3695.7	7258.7	7476.7	7490.9	6915.2
70°	691.8	701.2	758.1	860.0	1075.5	1471.2	2743.3	6837.0	7010.0	7123.7	6540.9
72.5°	542.5	552.0	611.2	706.0	869.4	1222.4	2016.0	6171.3	6529.0	6602.5	5844.4
75°	78.2	99.5	196.6	383.8	696.5	947.6	1324.3	4740.4	5756.7	5806.5	4944.2
77.5°	47.4	49.7	75.8	118.5	208.5	634.9	881.3	2425.9	3828.3	4489.3	3866.3
80°	35.5	37.9	59.2	92.4	135.0	180.0	426.4	1333.8	1783.9	2513.5	2560.9
82.5°	19.0	21.3	40.3	66.3	82.9	78.2	180.0	582.8	824.4	1051.8	1288.8
85°	11.8	11.8	21.3	35.5	33.2	40.3	82.9	303.2	466.7	597.0	644.4
87.5°	4.7	4.7	7.1	11.8	11.8	9.5	14.2	71.1	92.4	113.7	71.1
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°	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7	1814.7
2.5°	1809.9	1798.1	1776.8	1750.7	1729.4	1712.8	1701.0	1693.9	1682.0	1686.7	1691.5
5°	1802.8	1779.1	1734.1	1691.5	1651.2	1618.0	1587.2	1565.9	1549.3	1542.2	1539.9
7.5°	1814.7	1776.8	1710.4	1648.8	1589.6	1528.0	1492.5	1449.8	1426.2	1421.4	1416.7
10°	1838.4	1795.7	1710.4	1620.4	1530.4	1447.5	1383.5	1338.5	1300.6	1284.0	1276.9
12.5°	1862.1	1800.5	1691.5	1575.4	1457.0	1355.1	1272.2	1201.1	1160.8	1156.1	1144.2
15°	1892.9	1814.7	1660.7	1516.2	1371.7	1246.1	1156.1	1092.1	1047.1	1040.0	1037.6
17.5°	1937.9	1838.4	1641.7	1457.0	1288.8	1144.2	1063.7	1018.7	950.0	947.6	935.8
20°	1994.7	1878.6	1637.0	1393.0	1205.8	1059.0	976.0	933.4	860.0	829.2	824.4
22.5°	2075.3	1930.8	1634.6	1338.5	1130.0	985.5	886.0	810.2	729.7	661.0	646.7
25°	2172.4	1994.7	1639.4	1293.5	1056.6	905.0	758.1	620.7	537.8	476.2	452.5
27.5°	2295.6	2080.0	1646.5	1248.5	983.1	798.4	589.9	443.0	369.6	329.3	319.8
30°	2508.8	2200.8	1656.0	1201.1	905.0	644.4	405.1	319.8	258.2	213.2	213.2
32.5°	2949.4	2527.8	1674.9	1156.1	810.2	478.5	293.8	218.0	161.1	137.4	142.1
35°	3456.4	2973.1	1762.6	1094.5	682.3	317.4	199.0	132.7	101.9	106.6	111.3
37.5°	3873.4	3319.0	1971.0	1032.9	514.1	222.7	120.8	92.4	92.4	94.8	111.3
40°	4219.2	3653.0	2117.9	945.2	338.8	137.4	78.2	85.3	80.5	82.9	78.2
42.5°	4567.5	3932.6	2234.0	829.2	218.0	82.9	71.1	80.5	75.8	75.8	66.3
45°	4861.2	4186.1	2293.2	661.0	123.2	68.7	66.3	75.8	73.4	71.1	61.6
47.5°	5147.9	4427.7	2321.6	457.2	78.2	61.6	61.6	68.7	68.7	59.2	54.5
50°	5415.6	4636.2	2307.4	251.1	73.4	59.2	61.6	56.9	59.2	47.4	42.6
52.5°	5673.8	4816.2	2193.7	151.6	68.7	59.2	54.5	49.7	47.4	35.5	35.5
55°	5887.0	4965.5	1985.2	118.5	68.7	56.9	49.7	42.6	37.9	28.4	30.8
57.5°	6076.6	5117.1	1703.3	109.0	71.1	54.5	45.0	37.9	30.8	23.7	21.3
60°	6259.0	5249.8	1435.6	99.5	73.4	54.5	37.9	30.8	21.3	19.0	16.6
62.5°	6370.3	5292.4	1189.3	90.0	73.4	49.7	35.5	26.1	16.6	14.2	11.8
65°	6344.3	5190.5	933.4	85.3	71.1	45.0	30.8	21.3	14.2	9.5	9.5
67.5°	6097.9	4837.6	677.5	82.9	68.7	45.0	28.4	16.6	11.8	7.1	7.1
70°	5545.9	4311.6	466.7	75.8	61.6	37.9	28.4	14.2	9.5	7.1	4.7
72.5°	4854.1	3814.1	312.7	66.3	49.7	28.4	16.6	11.8	7.1	4.7	4.7
75°	4157.6	3030.0	215.6	52.1	37.9	23.7	11.8	9.5	7.1	4.7	2.4
77.5°	3122.4	2184.2	161.1	40.3	28.4	14.2	7.1	4.7	4.7	2.4	2.4
80°	2155.8	1502.0	125.6	21.3	9.5	7.1	4.7	4.7	2.4	2.4	2.4
82.5°	1153.7	800.7	78.2	14.2	4.7	4.7	2.4	2.4	2.4	2.4	2.4
85°	547.2	324.6	26.1	7.1	4.7	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	54.5	16.6	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)