

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: P511007

Luminaire Tested: **USSL-P-C018-D-U-T4-7050-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-C018-D-U-T4-7050-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 1300mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9149 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

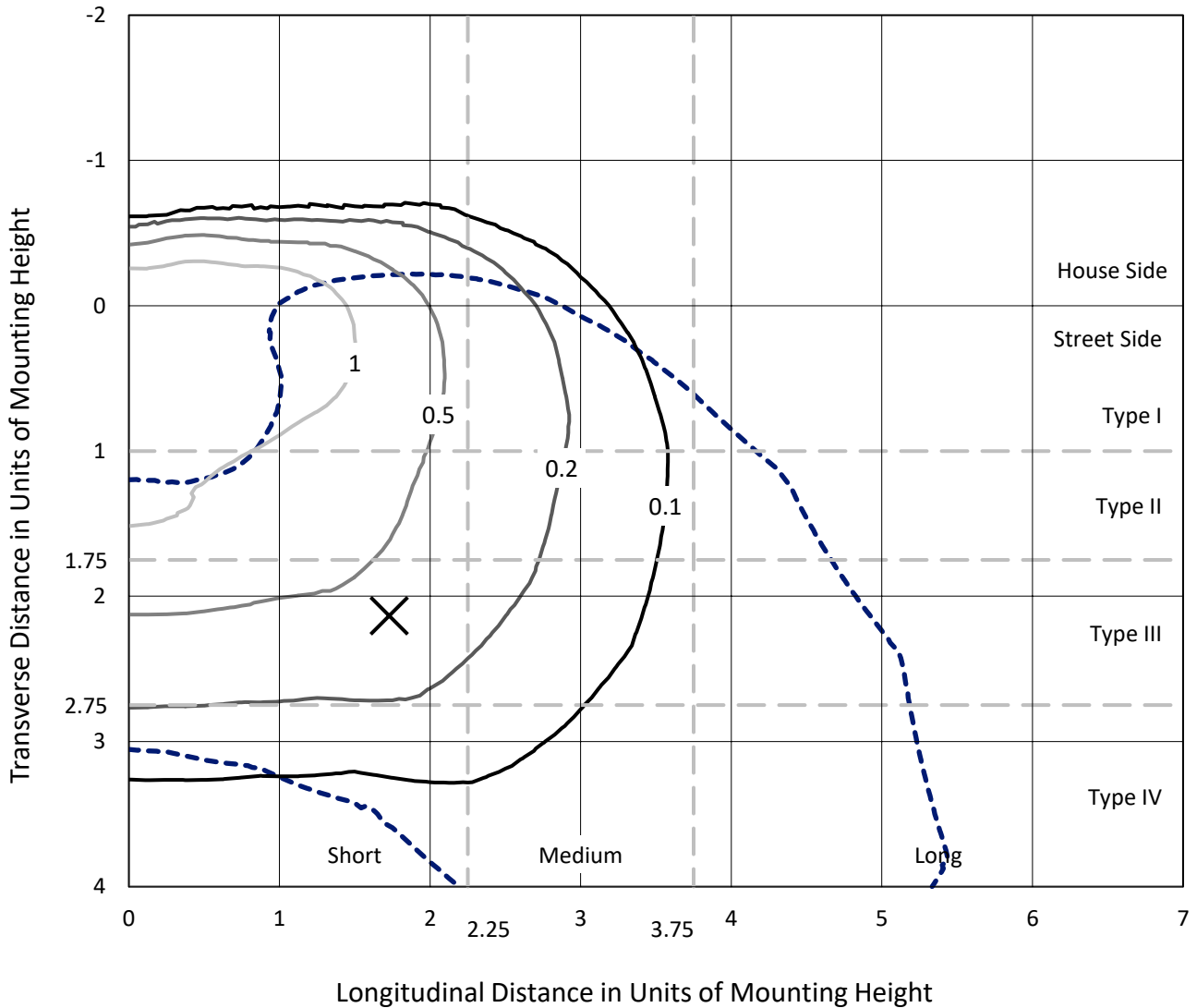
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

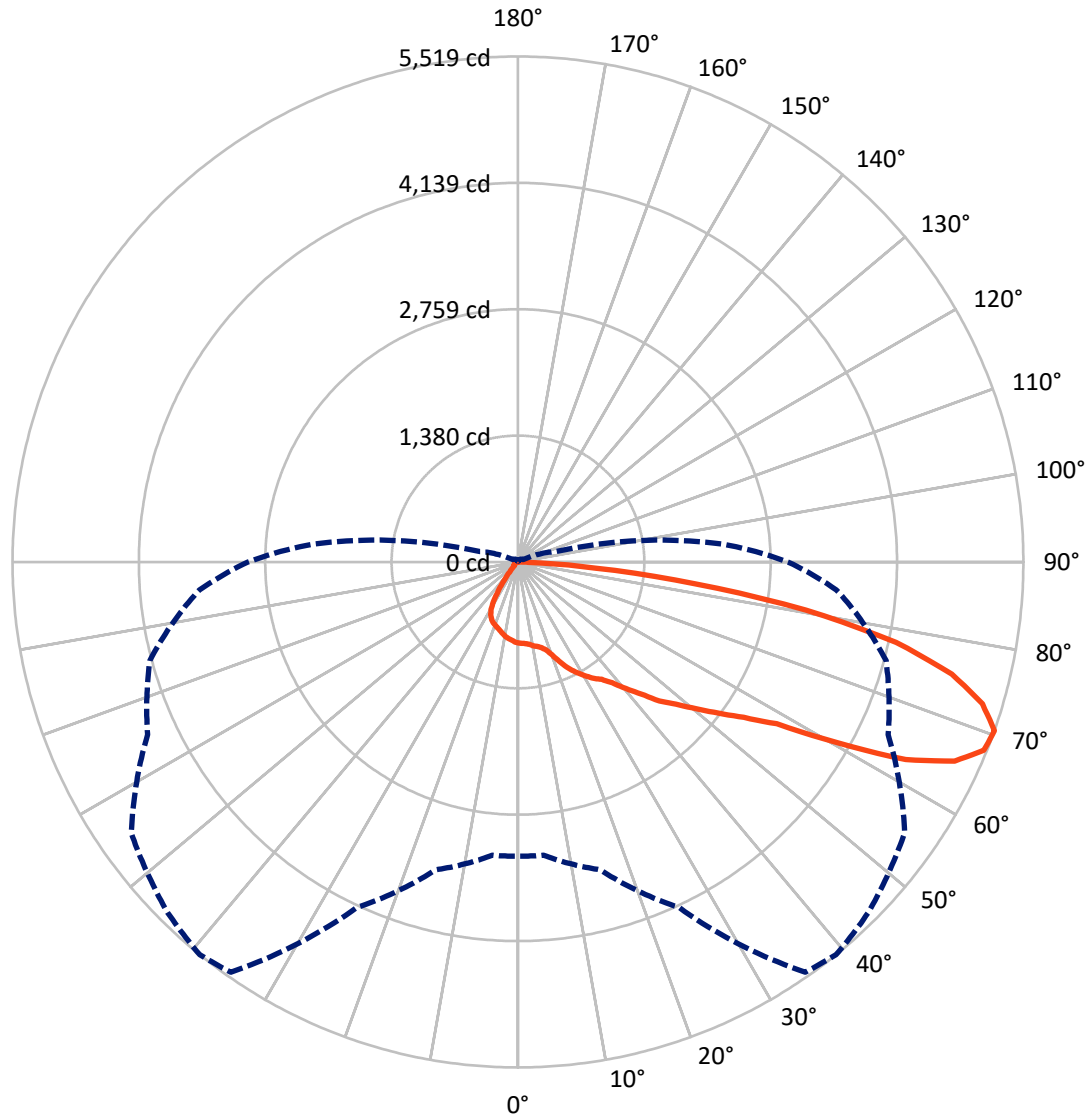
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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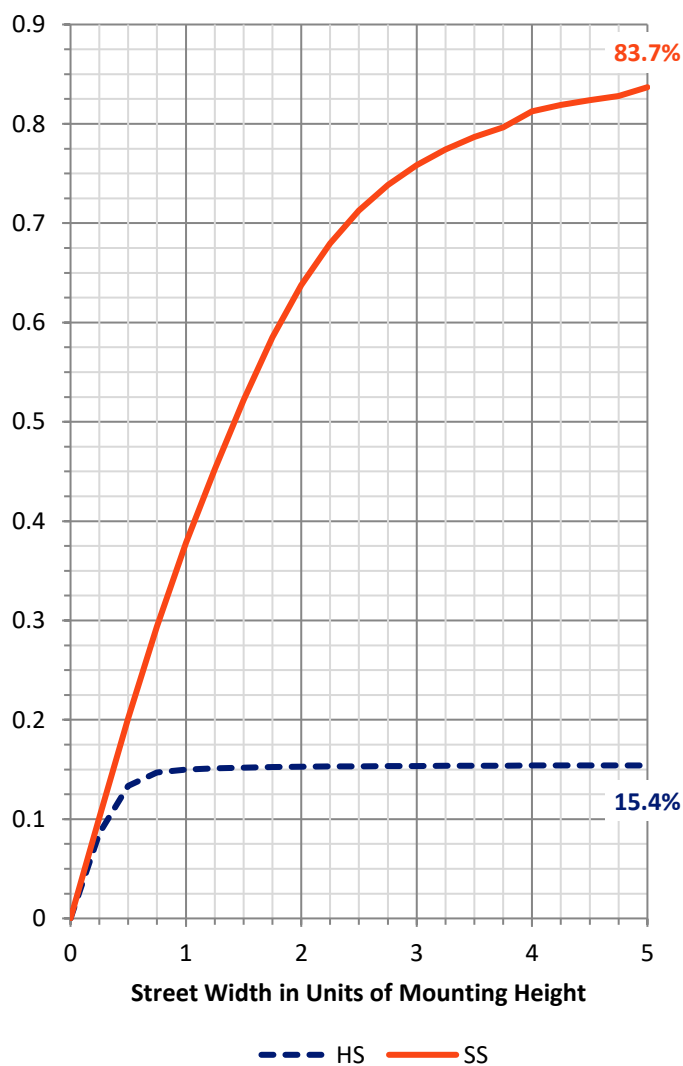
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1423.6	0.0	1423.6
	% Fixture	15.6	0.0	15.6
<b>Street Side</b>	Lumens	7725.4	0.0	7725.4
	% Fixture	84.4	0.0	84.4
<b>Total</b>	Lumens	9149.0	0.0	9149.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.1	0.9
10°-20°	257.2	2.8
20°-30°	482.1	5.3
30°-40°	761.1	8.3
40°-50°	1186.0	13.0
50°-60°	1794.6	19.6
60°-70°	2403.4	26.3
70°-80°	1850.7	20.2
80°-90°	329.9	3.6
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°	9149.0	100.0
0°-180°	9149.0	100.0

**Coefficient of Utilization**



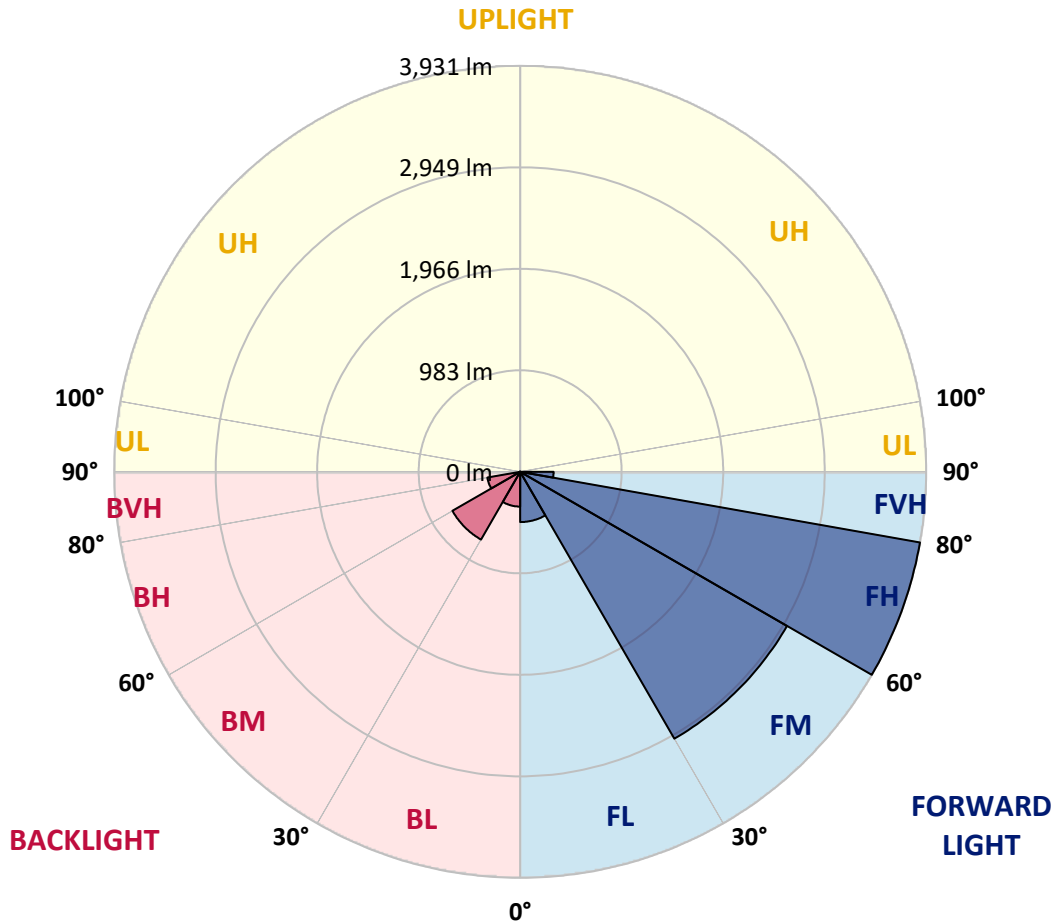
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.6	5.3			
FM (30°-60°)	2983.8	32.6			
FH (60°-80°)	3931.5	43.0			G2/5000
FVH (80°-90°)	323.5	3.5			G3/500
BL (0°-30°)	336.8	3.7	B1/500		
BM (30°-60°)	757.9	8.3	B1/1000		
BH (60°-80°)	322.5	3.5	B1/500		G1/500
BVH (80°-90°)	6.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	885.2	889.3	889.3	889.3	889.3	889.3	889.3	887.3	889.3	893.4	889.3
5°	889.3	891.3	891.3	895.4	895.4	895.4	895.4	893.4	895.4	895.4	891.3
7.5°	899.5	899.5	901.5	905.6	909.6	909.6	909.6	911.7	911.7	907.6	905.6
10°	909.6	909.6	911.7	919.8	928.0	932.0	934.1	938.1	940.2	936.1	930.0
12.5°	921.9	921.9	923.9	932.0	942.2	946.3	952.4	960.5	964.6	962.6	954.4
15°	940.2	940.2	944.2	952.4	968.7	970.7	978.8	991.0	997.2	997.2	989.0
17.5°	1003.3	1007.3	1003.3	1001.2	1009.4	1013.4	1019.5	1033.8	1046.0	1046.0	1044.0
20°	1125.4	1119.3	1113.1	1105.0	1092.8	1092.8	1086.7	1088.7	1098.9	1115.2	1113.1
22.5°	1235.2	1237.3	1231.2	1216.9	1196.6	1190.5	1178.3	1174.2	1174.2	1190.5	1194.5
25°	1324.8	1330.9	1328.9	1308.5	1286.1	1288.2	1286.1	1282.1	1278.0	1280.0	1288.2
27.5°	1398.0	1400.1	1394.0	1381.8	1367.5	1367.5	1367.5	1375.7	1396.0	1396.0	1398.0
30°	1457.1	1461.1	1455.0	1451.0	1444.9	1440.8	1440.8	1471.3	1514.0	1544.6	1562.9
32.5°	1581.2	1567.0	1548.6	1507.9	1514.0	1514.0	1518.1	1558.8	1632.1	1689.1	1748.1
35°	1693.1	1695.2	1668.7	1640.2	1575.1	1573.1	1595.4	1648.4	1742.0	1855.9	1959.7
37.5°	1839.6	1839.6	1817.3	1766.4	1705.3	1672.8	1662.6	1735.9	1864.1	2059.4	2191.7
40°	2028.9	2028.9	1990.2	1919.0	1839.6	1817.3	1776.6	1833.5	2008.5	2319.9	2446.1
42.5°	2161.2	2159.1	2132.7	2059.4	1994.3	1967.8	1949.5	1967.8	2208.0	2600.7	2722.8
45°	2254.8	2267.0	2250.7	2218.2	2187.6	2163.2	2157.1	2197.8	2427.8	2887.7	2940.6
47.5°	2370.8	2381.0	2340.3	2324.0	2326.0	2319.9	2362.6	2472.5	2665.9	3133.9	3144.1
50°	2706.6	2696.4	2562.1	2497.0	2488.8	2515.3	2592.6	2696.4	2936.5	3361.8	3325.2
52.5°	3144.1	3070.8	2838.8	2726.9	2700.5	2741.2	2796.1	2950.8	3278.4	3585.7	3467.6
55°	3559.2	3518.5	3355.7	3068.8	2967.0	2993.5	3042.3	3184.8	3569.4	3770.9	3599.9
57.5°	3856.3	3844.1	3825.8	3693.5	3361.8	3331.3	3337.4	3433.1	3807.5	3978.4	3711.8
60°	4057.8	4088.3	4186.0	4169.7	4122.9	4002.9	3728.1	3695.6	4045.6	4112.7	3797.3
62.5°	4169.7	4186.0	4352.9	4491.3	4745.6	4751.7	4493.3	3994.7	4253.2	4216.5	3831.9
65°	4045.6	4078.1	4289.8	4574.7	5160.8	5240.1	5152.6	4497.4	4434.3	4267.4	3817.7
67.5°	3713.9	3720.0	3964.2	4489.2	5445.7	5486.4	5411.1	5067.2	4495.3	4243.0	3703.7
70°	3211.2	3215.3	3479.9	4161.6	5468.1	5518.9	5411.1	5154.7	4460.7	4161.6	3490.0
72.5°	2598.7	2645.5	2897.8	3616.2	5266.6	5303.2	5238.1	5034.6	4377.3	4015.1	3054.5
75°	1961.7	1978.0	2244.6	2834.8	4711.0	4892.2	4916.6	4818.9	4190.1	3512.4	2352.5
77.5°	1249.5	1267.8	1528.3	2157.1	3872.6	4220.6	4424.1	4411.9	3595.9	2753.4	1398.0
80°	586.1	592.2	871.0	1467.2	2863.3	3186.8	3528.7	3563.3	2737.1	1528.3	407.0
82.5°	164.8	183.2	333.7	818.1	1823.4	1949.5	2305.7	2163.2	889.3	181.1	59.0
85°	73.3	77.3	136.3	303.2	710.2	846.6	991.0	940.2	103.8	50.9	34.6
87.5°	42.7	44.8	54.9	79.4	109.9	111.9	140.4	124.1	24.4	22.4	12.2
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°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	889.3	887.3	887.3	885.2	881.2	877.1	873.0	871.0	866.9	866.9	862.8
5°	889.3	887.3	883.2	879.1	871.0	860.8	850.6	844.5	840.5	836.4	840.5
7.5°	903.5	899.5	891.3	881.2	866.9	850.6	836.4	824.2	816.0	814.0	814.0
10°	925.9	921.9	907.6	889.3	864.9	840.5	814.0	795.7	783.5	779.4	775.3
12.5°	948.3	944.2	925.9	897.4	862.8	822.1	785.5	761.1	740.7	736.7	730.6
15°	984.9	976.8	952.4	911.7	860.8	805.9	755.0	718.4	691.9	681.7	675.6
17.5°	1037.9	1029.7	999.2	942.2	873.0	795.7	724.5	665.4	624.7	606.4	602.4
20°	1111.1	1100.9	1058.2	982.9	893.4	793.7	696.0	610.5	545.4	512.8	504.7
22.5°	1196.6	1184.4	1131.5	1029.7	915.8	791.6	667.5	559.6	470.1	417.2	392.8
25°	1290.2	1286.1	1196.6	1068.4	928.0	777.4	632.9	508.8	384.6	299.1	286.9
27.5°	1408.2	1385.8	1257.6	1094.8	923.9	746.8	590.2	427.4	266.6	205.5	195.4
30°	1552.7	1497.8	1322.8	1117.2	905.6	708.2	518.9	297.1	164.8	130.2	126.2
32.5°	1711.4	1621.9	1383.8	1125.4	875.1	651.2	388.7	175.0	97.7	75.3	75.3
35°	1894.6	1766.4	1448.9	1117.2	820.1	547.4	240.1	93.6	52.9	46.8	46.8
37.5°	2114.4	1955.6	1516.1	1090.8	744.8	409.0	136.3	46.8	42.7	40.7	40.7
40°	2358.6	2181.5	1609.7	1046.0	641.0	270.7	61.1	40.7	40.7	38.7	38.7
42.5°	2594.6	2389.1	1721.6	989.0	523.0	154.7	46.8	42.7	36.6	34.6	34.6
45°	2808.3	2568.2	1817.3	919.8	388.7	75.3	48.8	36.6	32.6	32.6	32.6
47.5°	2985.4	2735.0	1886.4	848.6	260.5	52.9	50.9	34.6	30.5	28.5	28.5
50°	3144.1	2853.1	1925.1	757.0	140.4	52.9	44.8	34.6	28.5	28.5	28.5
52.5°	3276.4	2956.9	1933.3	637.0	69.2	52.9	46.8	34.6	26.5	30.5	30.5
55°	3382.2	3015.9	1898.7	502.6	59.0	48.8	46.8	32.6	26.5	32.6	34.6
57.5°	3465.6	3040.3	1825.4	346.0	59.0	46.8	46.8	30.5	24.4	26.5	26.5
60°	3502.2	3042.3	1719.6	193.3	57.0	46.8	44.8	30.5	22.4	18.3	18.3
62.5°	3492.1	2997.6	1536.4	99.7	50.9	44.8	40.7	28.5	18.3	12.2	12.2
65°	3416.8	2881.6	1300.4	73.3	46.8	42.7	38.7	26.5	16.3	10.2	10.2
67.5°	3247.9	2651.6	956.5	67.2	48.8	40.7	34.6	24.4	14.2	8.1	8.1
70°	2948.7	2246.6	449.7	63.1	50.9	40.7	32.6	22.4	12.2	6.1	6.1
72.5°	2360.6	1542.5	105.8	54.9	48.8	38.7	32.6	18.3	8.1	4.1	4.1
75°	1552.7	714.3	79.4	46.8	44.8	34.6	28.5	20.4	8.1	2.0	2.0
77.5°	677.7	130.2	71.2	36.6	44.8	38.7	24.4	14.2	4.1	0.0	0.0
80°	97.7	73.3	69.2	24.4	40.7	22.4	10.2	4.1	2.0	0.0	0.0
82.5°	50.9	63.1	63.1	14.2	18.3	4.1	4.1	2.0	0.0	0.0	0.0
85°	38.7	57.0	24.4	10.2	4.1	2.0	2.0	2.0	0.0	0.0	0.0
87.5°	12.2	8.1	6.1	4.1	2.0	2.0	2.0	2.0	2.0	0.0	0.0
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)