

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: P511005

Luminaire Tested: **USSL-P-C018-D-U-T4-7030-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511005  
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-T4-7030-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1300mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8822 lumens  
Efficiency: N/A  
Efficacy: 121.2 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

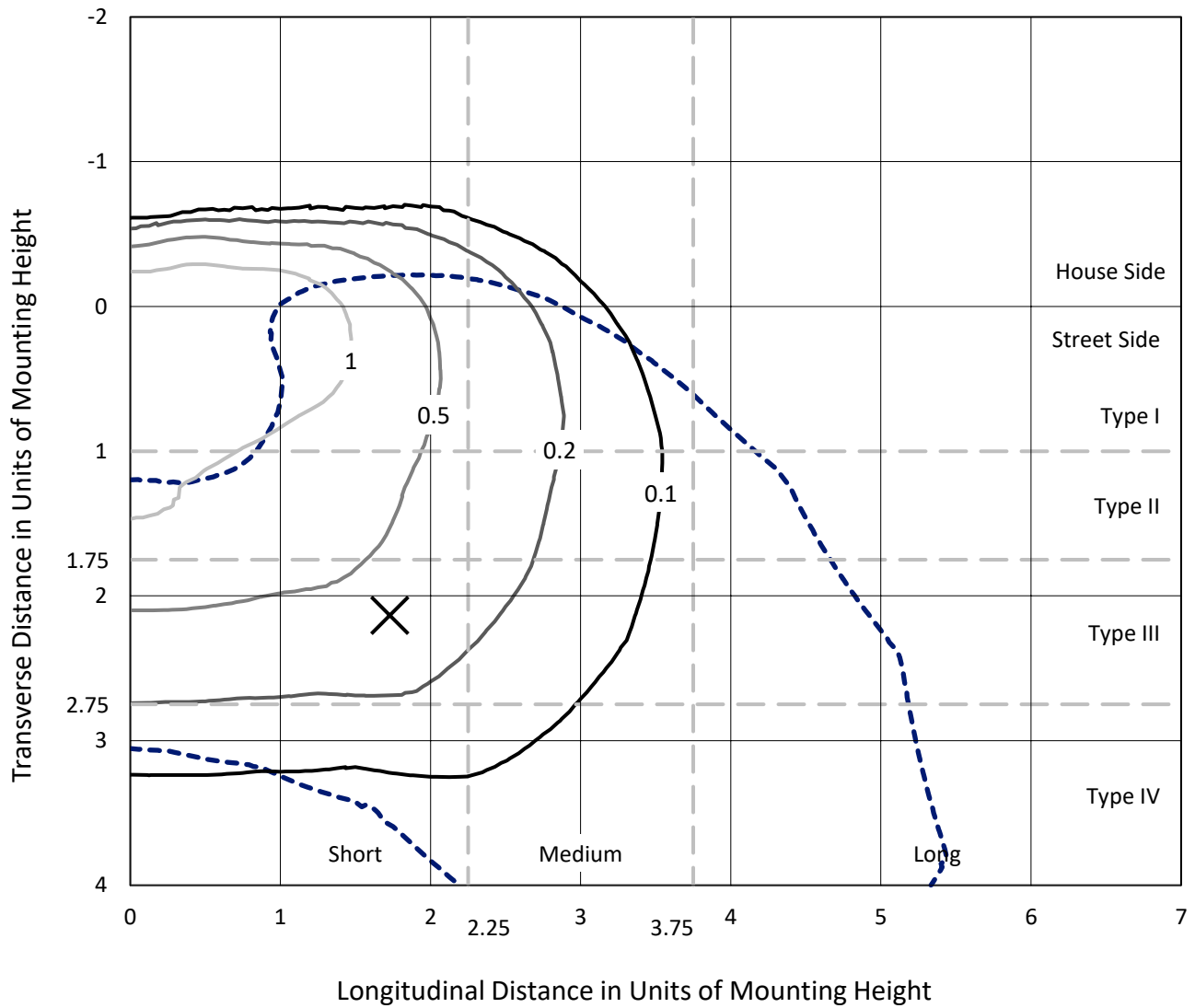
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

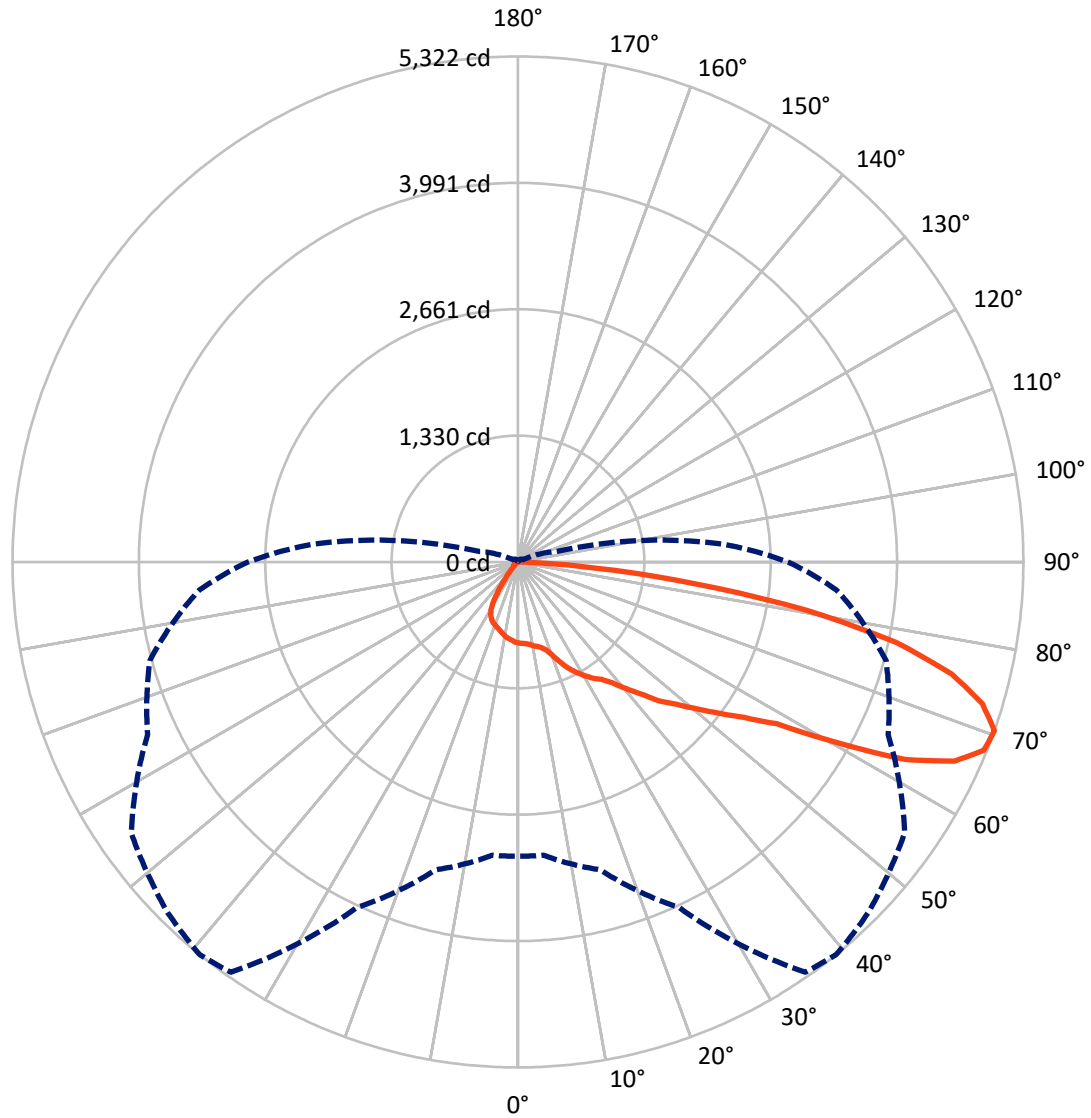
× Max cd  
 - - - 1/2 Max cd



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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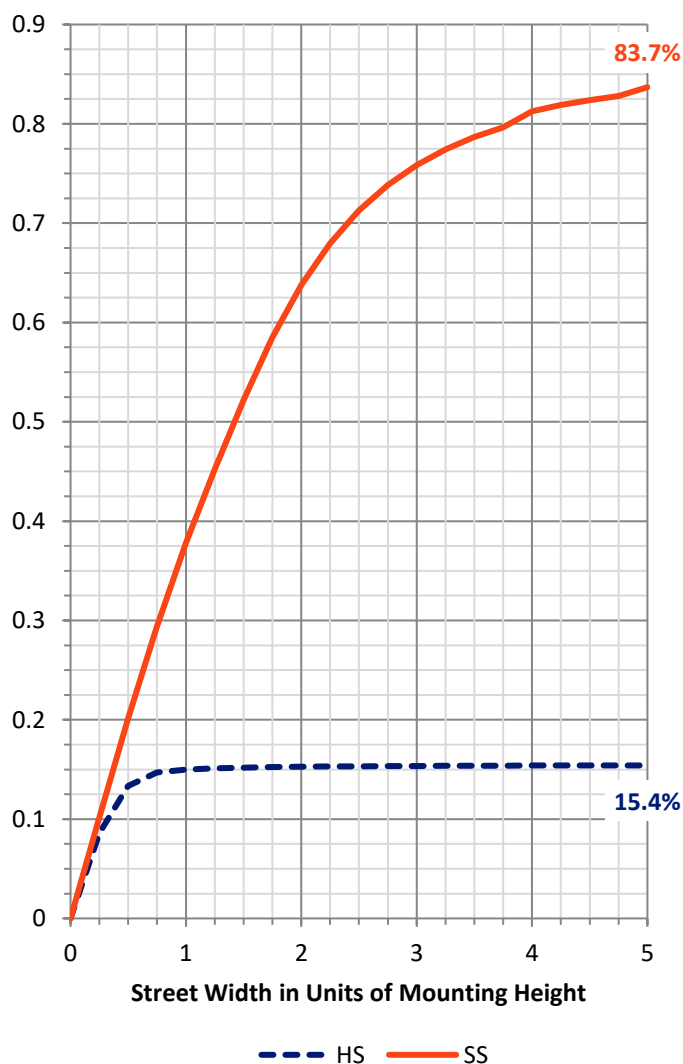
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1372.7	0.0	1372.7
	% Fixture	15.6	0.0	15.6
<b>Street Side</b>	Lumens	7449.3	0.0	7449.3
	% Fixture	84.4	0.0	84.4
<b>Total</b>	Lumens	8822.0	0.0	8822.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.1	0.9
10°-20°	248.0	2.8
20°-30°	464.9	5.3
30°-40°	733.9	8.3
40°-50°	1143.6	13.0
50°-60°	1730.4	19.6
60°-70°	2317.5	26.3
70°-80°	1784.5	20.2
80°-90°	318.1	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°	8822.0	100.0
0°-180°	8822.0	100.0

**Coefficient of Utilization**



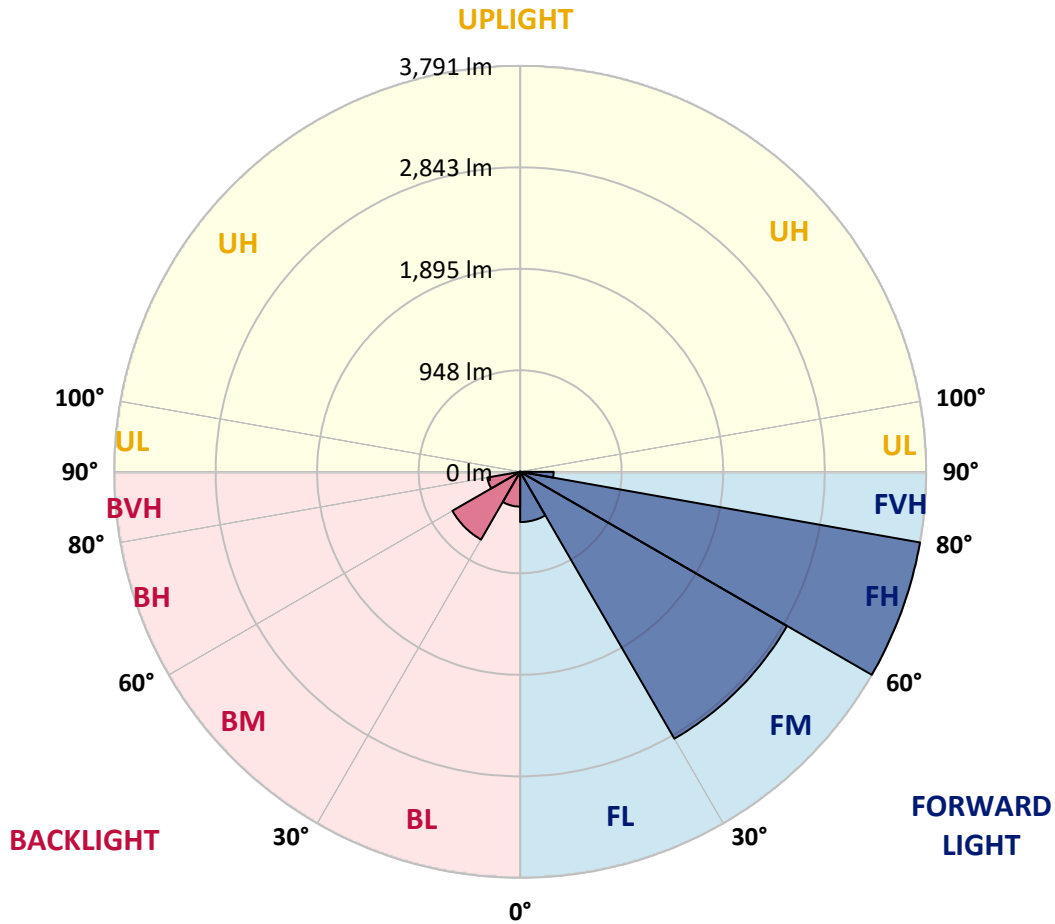
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.2	5.3			
FM (30°-60°)	2877.1	32.6			
FH (60°-80°)	3791.0	43.0			G2/5000
FVH (80°-90°)	312.0	3.5			G3/500
BL (0°-30°)	324.8	3.7	B1/500		
BM (30°-60°)	730.8	8.3	B1/1000		
BH (60°-80°)	311.0	3.5	B1/500		G1/500
BVH (80°-90°)	6.1	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°	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6
2.5°	853.6	857.5	857.5	857.5	857.5	857.5	857.5	855.5	857.5	861.4	857.5
5°	857.5	859.5	859.5	863.4	863.4	863.4	863.4	861.4	863.4	863.4	859.5
7.5°	867.3	867.3	869.3	873.2	877.1	877.1	877.1	879.1	879.1	875.2	873.2
10°	877.1	877.1	879.1	886.9	894.8	894.8	900.7	904.6	906.6	902.6	896.8
12.5°	888.9	888.9	890.9	898.7	908.5	908.5	918.3	926.2	930.1	928.2	920.3
15°	906.6	906.6	910.5	918.3	934.0	934.0	943.9	955.6	961.5	961.5	953.7
17.5°	967.4	971.3	967.4	965.4	973.3	973.3	983.1	996.8	1008.6	1008.6	1006.6
20°	1085.1	1079.2	1073.4	1065.5	1053.7	1053.7	1047.9	1049.8	1059.6	1075.3	1073.4
22.5°	1191.1	1193.1	1187.2	1173.4	1153.8	1147.9	1136.2	1132.2	1132.2	1147.9	1151.9
25°	1277.4	1283.3	1281.4	1261.7	1240.2	1242.1	1240.2	1236.2	1232.3	1234.3	1242.1
27.5°	1348.1	1350.0	1344.2	1332.4	1318.6	1318.6	1318.6	1326.5	1346.1	1346.1	1348.1
30°	1405.0	1408.9	1403.0	1399.1	1393.2	1389.3	1389.3	1418.7	1459.9	1489.4	1507.0
32.5°	1524.7	1510.9	1493.3	1454.0	1459.9	1459.9	1463.9	1503.1	1573.7	1628.7	1685.6
35°	1632.6	1634.6	1609.1	1581.6	1518.8	1516.8	1538.4	1589.4	1679.7	1789.6	1889.7
37.5°	1773.9	1773.9	1752.3	1703.3	1644.4	1613.0	1603.2	1673.8	1797.4	1985.8	2113.4
40°	1956.4	1956.4	1919.1	1850.4	1773.9	1752.3	1713.1	1768.0	1936.8	2237.0	2358.6
42.5°	2083.9	2082.0	2056.5	1985.8	1923.0	1897.5	1879.9	1897.5	2129.1	2507.8	2625.5
45°	2174.2	2186.0	2170.3	2138.9	2109.4	2085.9	2080.0	2119.3	2341.0	2784.5	2835.5
47.5°	2286.0	2295.9	2256.6	2240.9	2242.9	2237.0	2278.2	2384.2	2570.6	3021.9	3031.7
50°	2609.8	2600.0	2470.5	2407.7	2399.9	2425.4	2499.9	2600.0	2831.6	3241.7	3206.3
52.5°	3031.7	2961.1	2737.4	2629.4	2603.9	2643.2	2696.2	2845.3	3161.2	3457.5	3343.7
55°	3432.0	3392.8	3235.8	2959.1	2861.0	2886.5	2933.6	3071.0	3441.8	3636.1	3471.3
57.5°	3718.5	3706.7	3689.1	3561.5	3241.7	3212.2	3218.1	3310.3	3671.4	3836.2	3579.2
60°	3912.8	3942.2	4036.4	4020.7	3975.6	3859.8	3594.9	3563.5	3901.0	3965.7	3661.6
62.5°	4020.7	4036.4	4197.3	4330.7	4576.0	4581.9	4332.7	3851.9	4101.1	4065.8	3695.0
65°	3901.0	3932.4	4136.5	4411.2	4976.3	5052.8	4968.5	4336.6	4275.8	4114.9	3681.2
67.5°	3581.1	3587.0	3822.5	4328.8	5251.0	5290.3	5217.7	4886.1	4334.7	4091.3	3571.3
70°	3096.5	3100.4	3355.5	4012.8	5272.6	5321.7	5217.7	4970.4	4301.3	4012.8	3365.3
72.5°	2505.8	2551.0	2794.3	3487.0	5078.4	5113.7	5050.9	4854.7	4220.8	3871.6	2945.4
75°	1891.6	1907.3	2164.4	2733.4	4542.7	4717.3	4740.8	4646.7	4040.3	3386.9	2268.4
77.5°	1204.8	1222.5	1473.7	2080.0	3734.2	4069.7	4266.0	4254.2	3467.3	2655.0	1348.1
80°	565.1	571.0	839.9	1414.8	2760.9	3072.9	3402.6	3435.9	2639.3	1473.7	392.5
82.5°	158.9	176.6	321.8	788.8	1758.2	1879.9	2223.3	2085.9	857.5	174.6	56.9
85°	70.6	74.6	131.5	292.4	684.8	816.3	955.6	906.6	100.1	49.1	33.4
87.5°	41.2	43.2	53.0	76.5	106.0	107.9	135.4	119.7	23.5	21.6	11.8
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°	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6
2.5°	857.5	855.5	855.5	853.6	849.7	845.7	841.8	839.9	835.9	835.9	832.0
5°	857.5	855.5	851.6	847.7	839.9	830.0	820.2	814.3	810.4	806.5	810.4
7.5°	871.2	867.3	859.5	849.7	835.9	820.2	806.5	794.7	786.9	784.9	784.9
10°	892.8	888.9	875.2	857.5	834.0	810.4	784.9	767.2	755.5	751.5	747.6
12.5°	914.4	910.5	892.8	865.4	832.0	792.8	757.4	733.9	714.3	710.3	704.5
15°	949.7	941.9	918.3	879.1	830.0	777.1	728.0	692.7	667.2	657.4	651.5
17.5°	1000.8	992.9	963.5	908.5	841.8	767.2	698.6	641.7	602.4	584.8	580.8
20°	1071.4	1061.6	1020.4	947.8	861.4	765.3	671.1	588.7	525.9	494.5	486.6
22.5°	1153.8	1142.0	1091.0	992.9	883.0	763.3	643.6	539.6	453.3	402.3	378.7
25°	1244.1	1240.2	1153.8	1030.2	894.8	749.6	610.3	490.6	370.9	288.5	276.7
27.5°	1357.9	1336.3	1212.7	1055.7	890.9	720.2	569.1	412.1	257.1	198.2	188.4
30°	1497.2	1444.2	1275.5	1077.3	873.2	682.9	500.4	286.5	158.9	125.6	121.7
32.5°	1650.3	1563.9	1334.3	1085.1	843.8	627.9	374.8	168.8	94.2	72.6	72.6
35°	1826.9	1703.3	1397.1	1077.3	790.8	527.9	231.5	90.3	51.0	45.1	45.1
37.5°	2038.8	1885.7	1461.9	1051.8	718.2	394.4	131.5	45.1	41.2	39.2	39.2
40°	2274.3	2103.6	1552.2	1008.6	618.1	261.0	58.9	39.2	39.2	37.3	37.3
42.5°	2501.9	2303.7	1660.1	953.7	504.3	149.1	45.1	41.2	35.3	33.4	33.4
45°	2707.9	2476.4	1752.3	886.9	374.8	72.6	47.1	35.3	31.4	31.4	31.4
47.5°	2878.6	2637.3	1819.0	818.3	251.2	51.0	49.1	33.4	29.4	27.5	27.5
50°	3031.7	2751.1	1856.3	730.0	135.4	51.0	43.2	33.4	27.5	27.5	27.5
52.5°	3159.3	2851.2	1864.2	614.2	66.7	51.0	45.1	33.4	25.5	29.4	29.4
55°	3261.3	2908.1	1830.8	484.7	56.9	47.1	45.1	31.4	25.5	31.4	33.4
57.5°	3341.7	2931.6	1760.2	333.6	56.9	45.1	45.1	29.4	23.5	25.5	25.5
60°	3377.1	2933.6	1658.1	186.4	54.9	45.1	43.2	29.4	21.6	17.7	17.7
62.5°	3367.3	2890.4	1481.5	96.2	49.1	43.2	39.2	27.5	17.7	11.8	11.8
65°	3294.7	2778.6	1253.9	70.6	45.1	41.2	37.3	25.5	15.7	9.8	9.8
67.5°	3131.8	2556.8	922.3	64.8	47.1	39.2	33.4	23.5	13.7	7.8	7.8
70°	2843.3	2166.3	433.7	60.8	49.1	39.2	31.4	21.6	11.8	5.9	5.9
72.5°	2276.2	1487.4	102.0	53.0	47.1	37.3	31.4	17.7	7.8	3.9	3.9
75°	1497.2	688.8	76.5	45.1	43.2	33.4	27.5	19.6	7.8	2.0	2.0
77.5°	653.4	125.6	68.7	35.3	43.2	37.3	23.5	13.7	3.9	0.0	0.0
80°	94.2	70.6	66.7	23.5	39.2	21.6	9.8	3.9	2.0	0.0	0.0
82.5°	49.1	60.8	60.8	13.7	17.7	3.9	3.9	2.0	0.0	0.0	0.0
85°	37.3	54.9	23.5	9.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
87.5°	11.8	7.8	5.9	3.9	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)