

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: P366870

Luminaire Tested: **PMM-SA1C-727-U-SL3**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P366870  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA1C-727-U-SL3  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5147 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

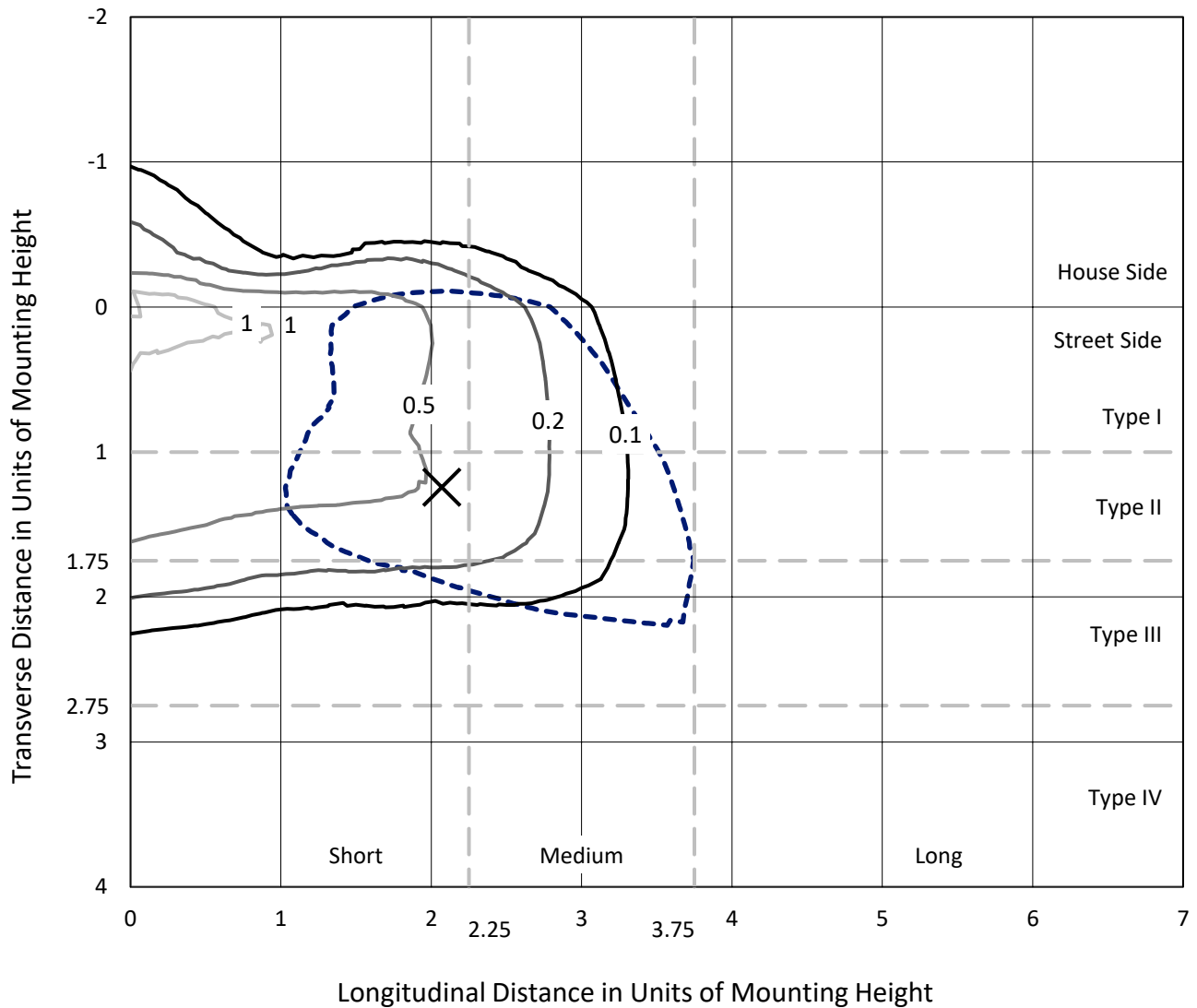
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

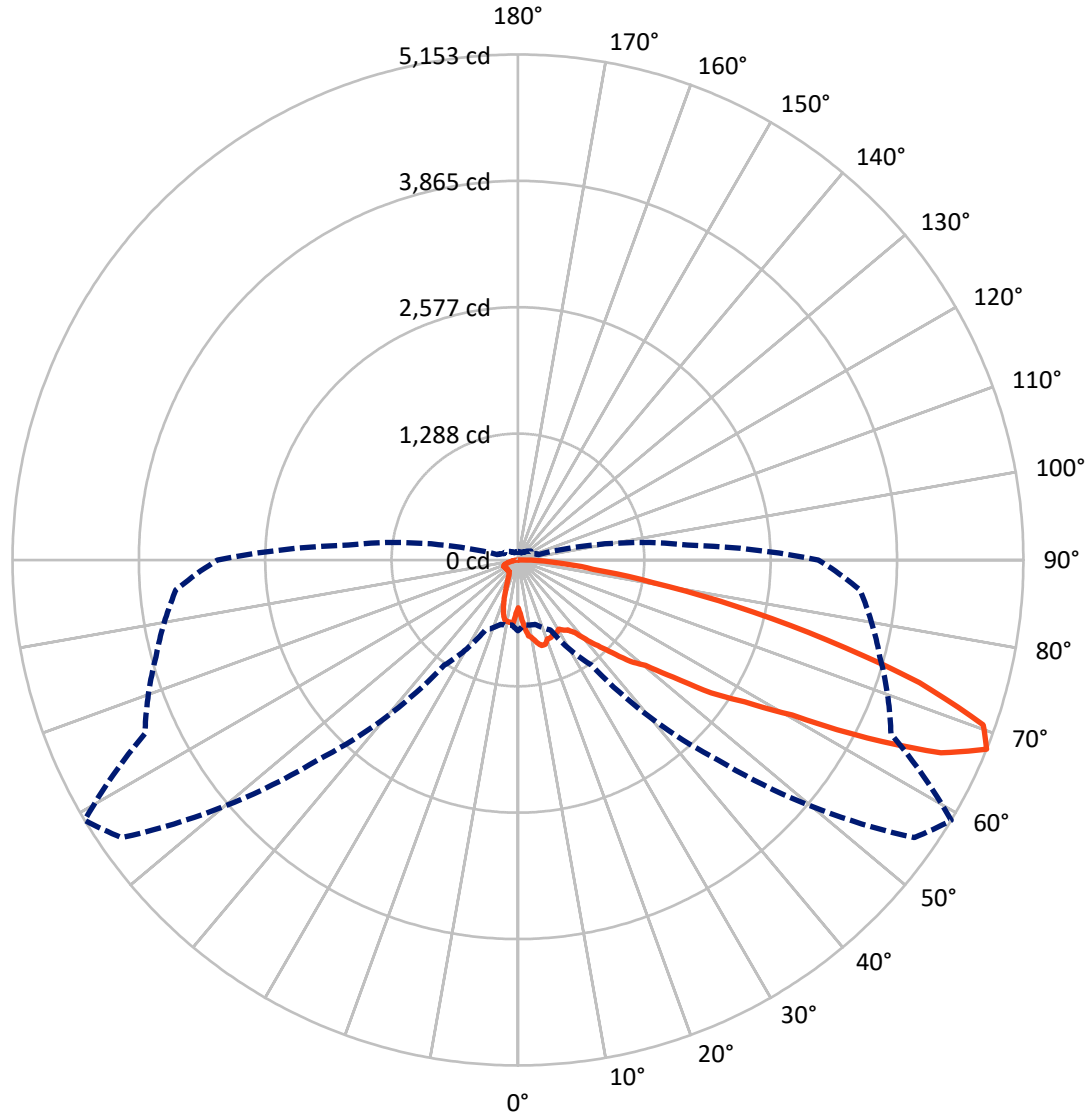
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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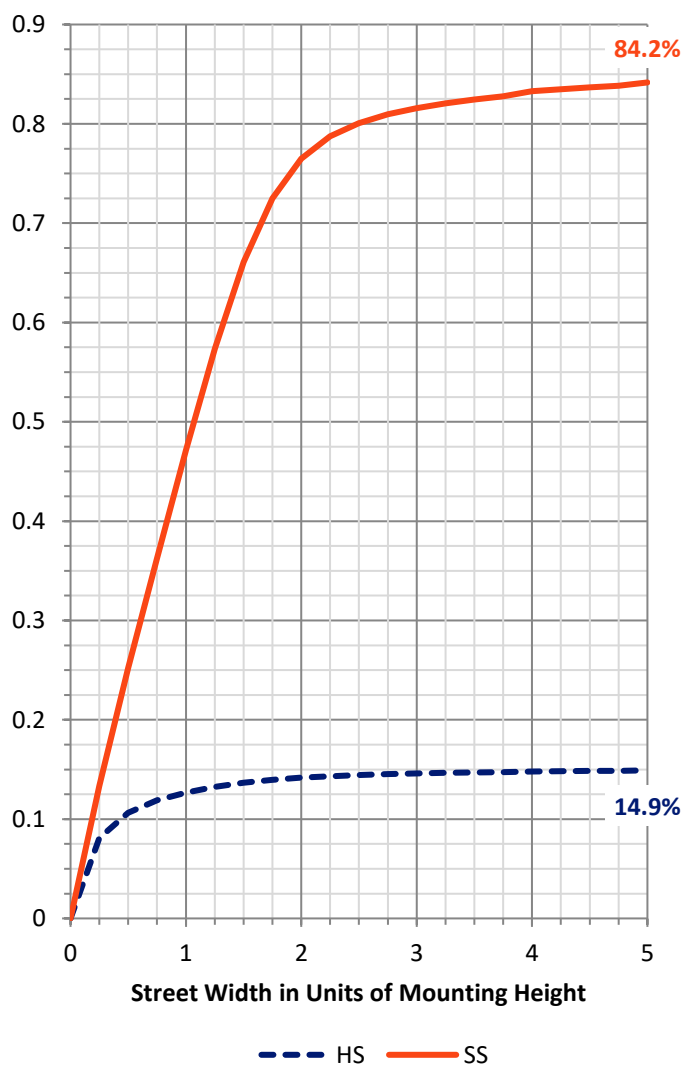
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	774.7	0.0	774.7
	% Fixture	15.1	0.0	15.1
<b>Street Side</b>	Lumens	4372.3	0.0	4372.3
	% Fixture	84.9	0.0	84.9
<b>Total</b>	Lumens	5147.0	0.0	5147.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.6	1.2
10°-20°	188.2	3.7
20°-30°	268.8	5.2
30°-40°	396.1	7.7
40°-50°	669.3	13.0
50°-60°	1164.6	22.6
60°-70°	1484.1	28.8
70°-80°	785.8	15.3
80°-90°	126.4	2.5
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°	5147.0	100.0
0°-180°	5147.0	100.0

**Coefficient of Utilization**

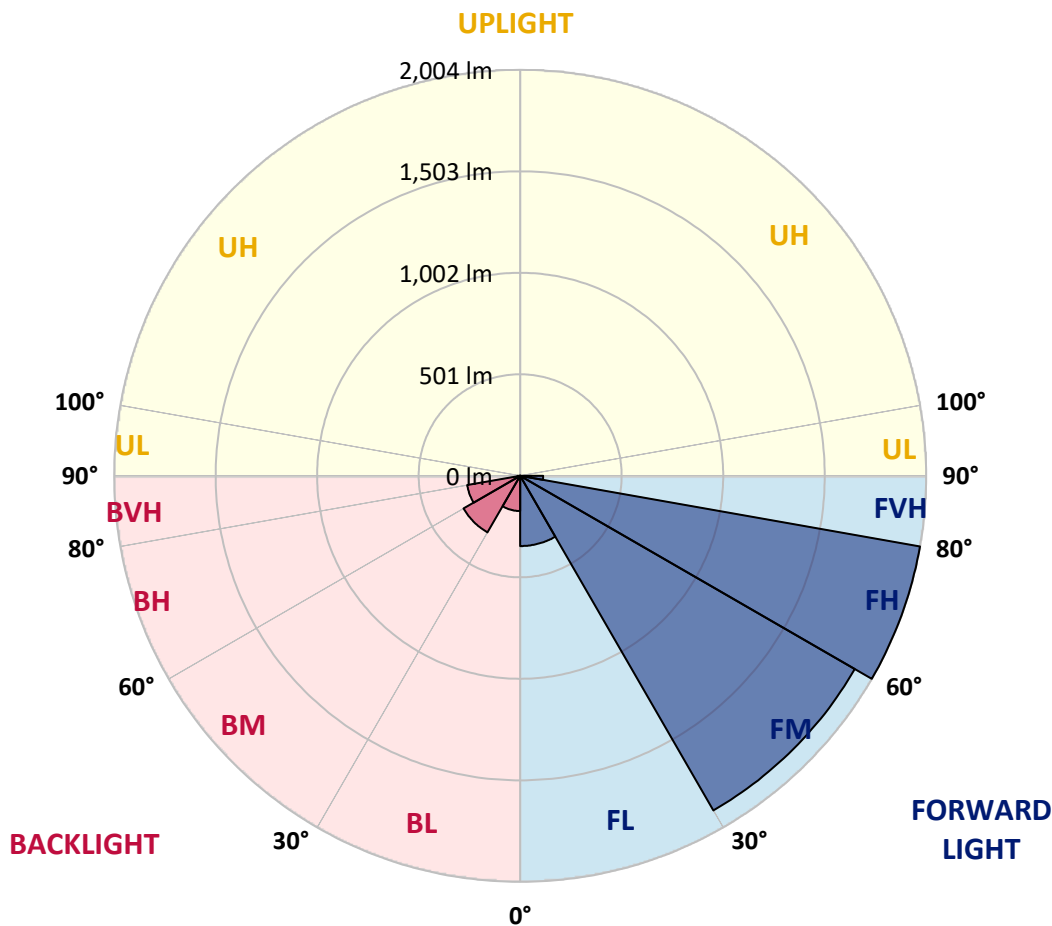


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.9	6.7			
FM (30°-60°)	1907.4	37.1			
FH (60°-80°)	2004.4	38.9			G2/5000
FVH (80°-90°)	113.5	2.2			G2/225
BL (0°-30°)	173.7	3.4	B1/500		
BM (30°-60°)	322.6	6.3	B1/1000		
BH (60°-80°)	265.5	5.2	B1/500		G1/500
BVH (80°-90°)	12.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0
2.5°	608.1	579.7	549.6	558.1	575.4	583.2	574.7	566.4	555.7	543.1	586.3
5°	737.4	695.3	689.2	689.0	682.9	658.5	689.9	687.7	700.4	713.4	747.0
7.5°	774.3	758.6	741.6	749.6	718.9	717.6	766.4	780.4	804.8	796.8	841.9
10°	755.3	737.7	746.6	743.3	746.2	778.4	808.3	809.2	835.4	861.1	832.1
12.5°	721.9	723.3	758.8	757.5	803.3	863.3	872.2	865.2	908.0	890.5	915.4
15°	745.7	761.6	752.7	760.3	778.4	854.8	879.6	904.9	945.5	961.2	936.4
17.5°	783.7	792.2	752.0	747.9	785.2	821.4	883.1	904.7	911.0	1022.9	987.8
20°	767.5	784.8	745.5	695.1	757.1	805.0	865.9	859.4	890.1	1027.7	998.5
22.5°	813.3	784.8	734.8	699.0	720.9	764.9	816.6	859.6	896.0	999.6	1014.0
25°	822.1	808.5	761.9	726.3	718.9	734.6	808.3	836.5	898.0	1038.0	1005.7
27.5°	875.3	855.0	759.9	761.0	724.1	696.4	782.1	841.3	920.2	1014.2	1026.0
30°	941.4	925.9	806.6	810.9	759.9	708.9	800.0	817.9	933.1	1051.3	1051.5
32.5°	990.9	1018.1	898.4	839.1	821.0	782.8	772.5	853.0	918.0	1118.5	1095.1
35°	1080.1	1101.2	969.1	921.5	860.2	817.3	847.1	876.2	980.6	1206.8	1159.9
37.5°	1245.2	1220.8	1100.4	1025.6	1002.7	940.7	957.3	937.0	1048.7	1306.0	1286.9
40°	1340.7	1319.6	1192.8	1151.4	1060.7	1068.5	1047.8	1062.6	1139.6	1411.6	1405.5
42.5°	1435.0	1406.6	1299.5	1270.7	1180.2	1141.8	1145.5	1193.5	1279.9	1582.2	1561.9
45°	1528.1	1455.5	1408.6	1416.2	1372.6	1293.8	1299.3	1344.4	1433.0	1777.2	1730.5
47.5°	1599.4	1539.4	1502.8	1493.4	1471.8	1577.2	1530.0	1548.4	1587.4	1950.8	1933.1
50°	1734.4	1664.4	1616.6	1603.1	1676.4	1823.0	1727.0	1687.5	1770.6	2175.2	2166.1
52.5°	1950.6	1863.3	1783.7	1782.8	1888.8	1983.9	2051.6	1983.5	2014.0	2405.1	2431.3
55°	2139.2	2038.2	1966.7	2006.2	2157.1	2215.4	2445.0	2391.8	2366.1	2637.2	2712.0
57.5°	2209.7	2091.7	2045.0	2103.2	2325.7	2625.0	2867.7	2727.7	2702.6	2899.8	3056.6
60°	2055.0	1930.3	1933.1	2042.8	2428.2	2925.7	3329.9	3211.0	3064.0	3226.7	3379.8
62.5°	1614.5	1501.7	1575.2	1742.1	2342.3	3218.0	3949.3	3999.5	3476.9	3497.8	3559.1
65°	1097.3	1019.2	1085.5	1248.9	1899.7	3377.4	4539.3	4740.4	3852.9	3675.4	3636.6
67.5°	722.2	667.0	679.9	788.5	1307.8	2879.3	4933.9	5153.1	4196.7	3821.1	3500.0
70°	559.2	514.7	509.1	566.0	775.6	2000.3	4700.1	5033.3	4406.1	3684.5	3050.7
72.5°	438.8	405.0	408.1	462.8	600.7	1109.7	3637.0	4280.2	4090.7	3177.7	2343.8
75°	342.2	314.5	330.0	392.6	555.5	689.7	2509.4	3248.5	3162.6	2353.0	1336.8
77.5°	248.4	230.5	252.6	334.4	522.2	591.7	1562.1	2266.4	2026.0	1208.1	458.7
80°	162.9	152.9	171.0	272.6	473.5	569.5	965.4	1388.7	1001.1	339.4	173.6
82.5°	96.0	91.6	106.7	184.5	380.6	533.7	643.9	771.7	409.6	143.5	92.3
85°	50.4	47.1	63.3	106.0	262.4	487.3	506.9	462.0	197.8	62.4	44.1
87.5°	16.8	16.4	26.8	41.0	99.2	258.7	270.5	219.4	81.6	18.1	9.6
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°	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0	487.0
2.5°	592.2	583.4	533.3	540.3	546.8	543.5	541.6	518.9	516.7	549.0	546.4
5°	746.2	710.0	667.2	665.2	637.1	608.3	614.0	604.8	607.4	620.7	622.1
7.5°	827.5	782.4	741.6	675.3	619.0	573.4	580.6	578.4	572.5	602.6	610.7
10°	826.0	785.9	739.8	659.6	621.6	584.5	540.0	497.9	485.5	470.7	472.0
12.5°	880.5	845.0	744.6	662.8	611.4	547.5	464.1	418.1	374.1	373.2	362.1
15°	897.5	871.4	754.9	644.1	539.6	448.0	361.8	311.9	280.1	273.7	264.4
17.5°	940.5	899.5	723.7	583.4	456.3	350.3	272.0	237.1	234.5	238.8	234.0
20°	943.3	876.8	667.4	493.8	366.6	265.4	221.8	204.4	213.7	224.4	224.0
22.5°	940.9	848.2	618.8	417.5	275.5	213.3	194.3	190.4	199.1	215.1	217.0
25°	916.5	838.9	557.9	342.9	223.6	182.8	177.5	179.9	190.8	209.6	209.6
27.5°	942.0	800.7	481.6	279.0	188.0	162.7	166.4	172.5	180.6	202.0	205.9
30°	933.7	813.3	420.1	224.7	165.8	148.8	157.0	163.1	172.3	194.6	196.5
32.5°	956.0	779.5	368.4	188.9	151.2	143.3	145.3	153.6	165.5	183.0	186.5
35°	990.0	792.0	309.1	169.9	144.0	137.0	140.7	147.2	159.2	176.2	179.1
37.5°	1098.6	791.3	268.1	159.4	142.6	135.7	137.4	142.0	155.9	171.4	178.0
40°	1168.4	836.7	230.8	157.0	141.1	135.0	133.5	138.5	149.6	167.9	172.5
42.5°	1299.5	864.4	214.6	156.2	140.9	131.3	129.8	135.7	146.6	163.6	170.6
45°	1438.0	903.9	201.8	155.7	140.2	130.6	126.1	133.5	142.6	159.0	167.1
47.5°	1600.9	987.4	194.6	154.2	138.9	131.5	124.8	128.5	138.7	155.1	163.1
50°	1814.2	1098.0	196.1	152.0	140.9	131.7	122.8	124.5	133.9	149.8	158.1
52.5°	2073.6	1269.2	205.9	152.9	142.2	130.6	121.9	121.1	129.1	143.1	151.4
55°	2386.1	1512.2	235.3	157.0	142.2	130.4	120.6	116.7	122.8	134.1	142.2
57.5°	2763.2	1793.5	292.9	159.0	141.1	129.1	117.8	110.8	114.5	123.9	131.5
60°	3087.1	2020.6	352.2	160.3	143.3	126.1	112.1	103.4	105.8	113.0	119.7
62.5°	3252.3	2084.3	370.1	159.2	149.2	124.1	105.3	95.5	95.8	101.9	108.0
65°	3283.2	1999.4	298.4	158.1	156.8	123.9	100.5	88.8	87.2	91.6	96.8
67.5°	3062.5	1735.5	215.3	155.7	157.7	122.6	97.3	83.3	79.4	82.4	86.8
70°	2600.3	1397.7	180.8	150.9	147.2	116.0	91.6	77.6	72.4	74.6	77.9
72.5°	1938.6	1034.1	157.7	140.7	128.2	99.2	82.9	71.3	65.9	67.4	69.8
75°	1077.0	551.6	132.0	122.4	104.7	80.3	70.7	63.3	58.5	59.1	61.7
77.5°	357.7	203.5	96.8	97.1	79.2	61.9	58.2	54.1	50.4	50.6	52.8
80°	162.1	112.5	69.4	69.8	55.2	44.9	44.7	43.4	41.0	40.4	41.9
82.5°	94.0	68.3	47.5	45.4	35.6	29.2	32.5	31.8	31.2	28.8	29.2
85°	46.2	36.6	24.9	23.6	19.6	14.6	17.4	18.1	17.4	14.8	14.6
87.5°	11.3	12.0	6.1	5.7	3.3	1.5	2.6	2.6	3.3	2.2	1.1
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)