

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: P366605

Luminaire Tested: **PMM-SA1A-727-U-SL3-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-19)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1A-727-U-SL3-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2775 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

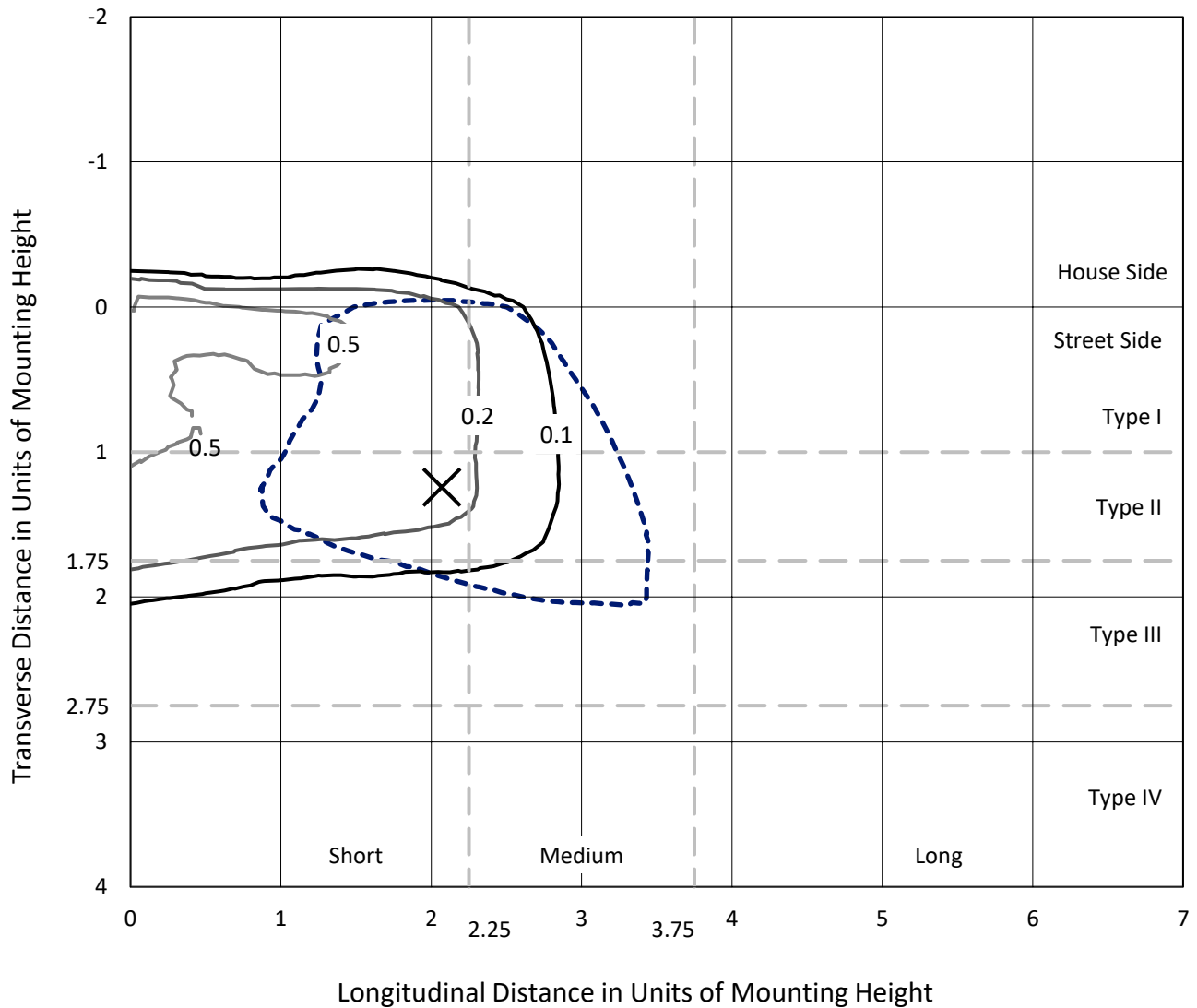
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

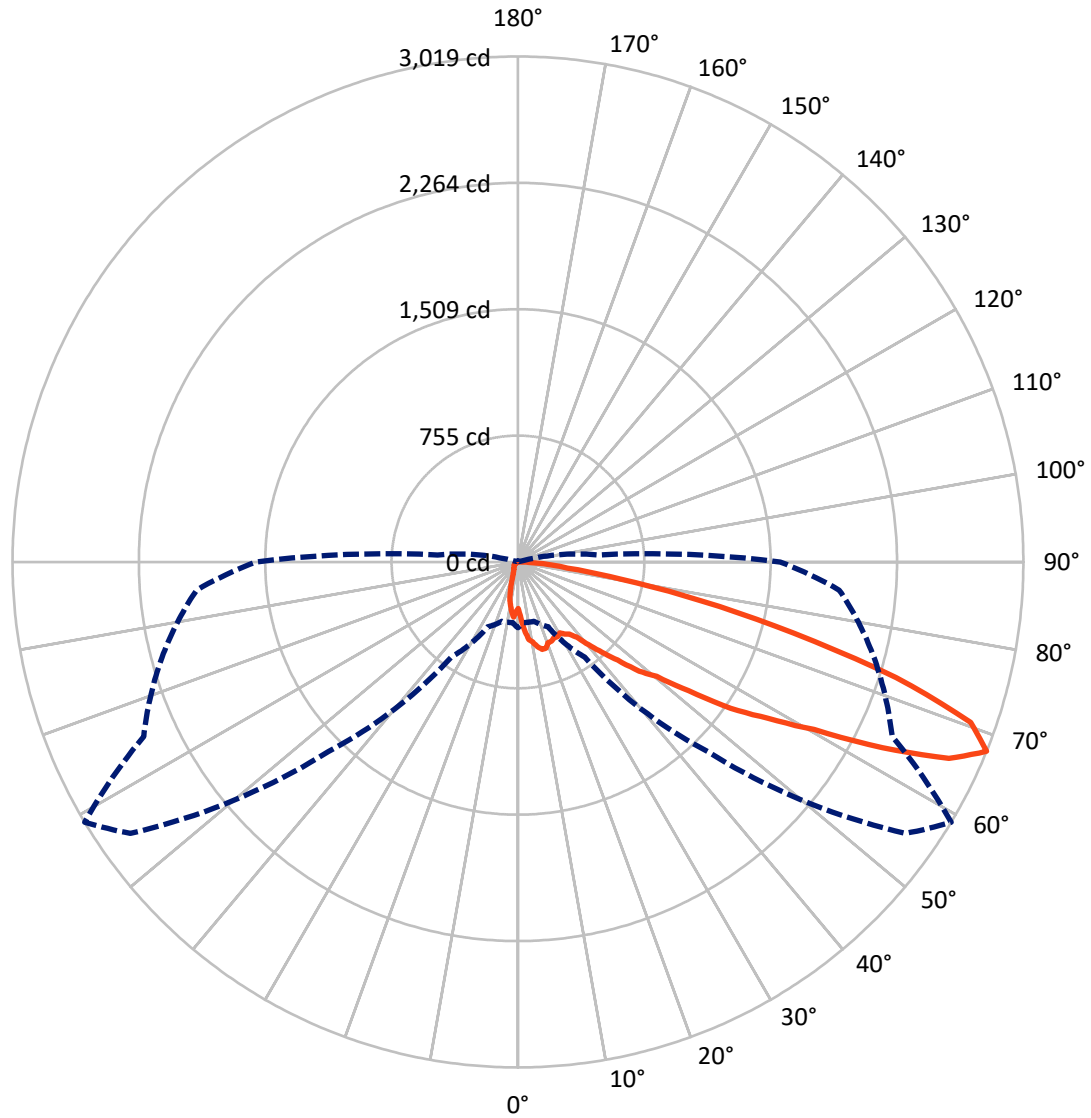
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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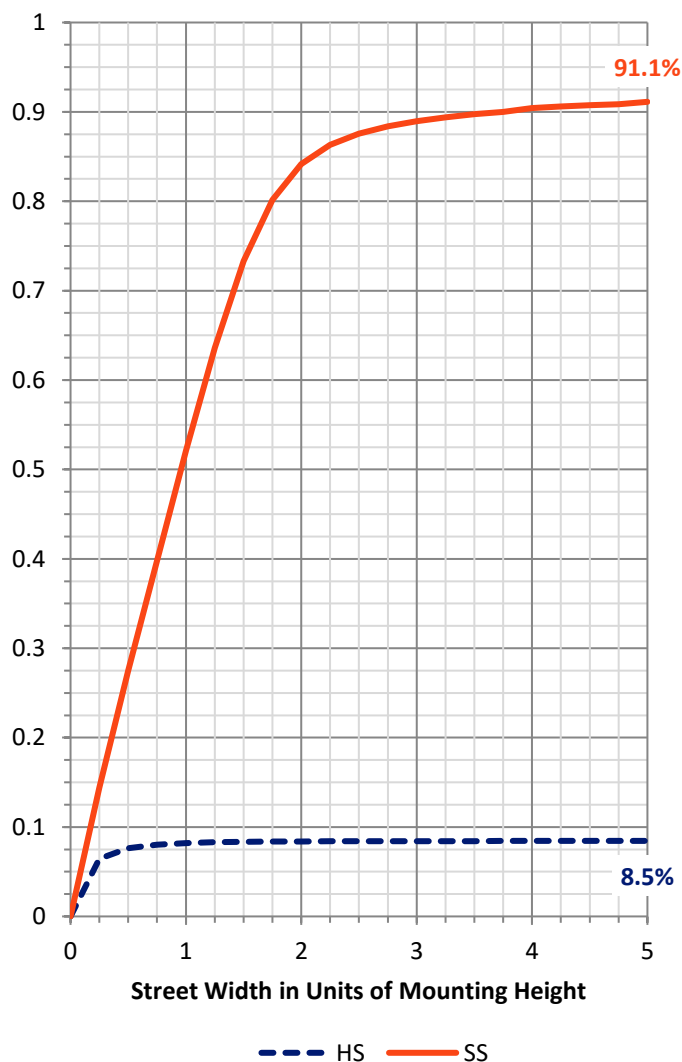
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	236.0	0.0	236.0
	% Fixture	8.5	0.0	8.5
Street Side	Lumens	2539.0	0.0	2539.0
	% Fixture	91.5	0.0	91.5
Total	Lumens	2775.0	0.0	2775.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	1.2
10°-20°	95.1	3.4
20°-30°	141.4	5.1
30°-40°	218.1	7.9
40°-50°	389.3	14.0
50°-60°	692.8	25.0
60°-70°	806.8	29.1
70°-80°	358.8	12.9
80°-90°	39.0	1.4
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°	2775.0	100.0
0°-180°	2775.0	100.0

Coefficient of Utilization

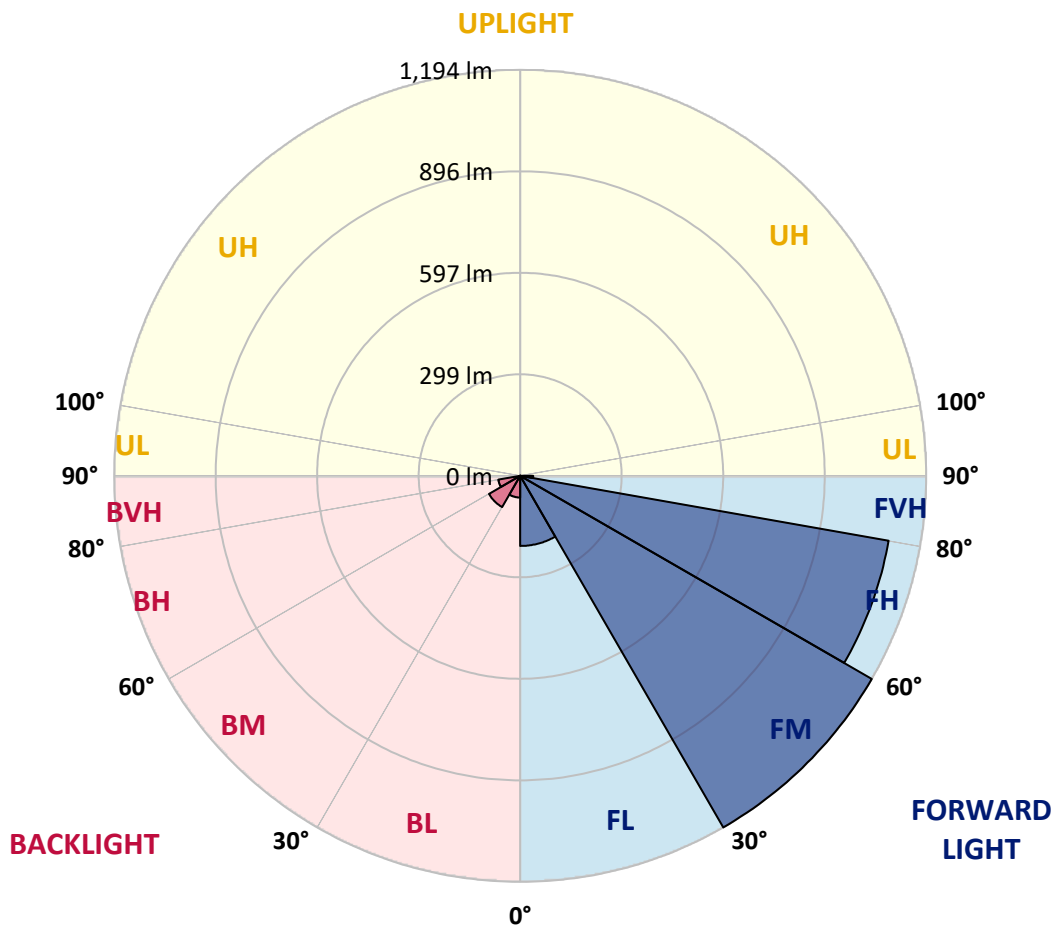


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.4	7.4			
FM (30°-60°)	1194.1	43.0			
FH (60°-80°)	1100.3	39.6			G1/1800
FVH (80°-90°)	38.3	1.4			G1/100
BL (0°-30°)	63.8	2.3	B0/110		
BM (30°-60°)	106.1	3.8	B0/220		
BH (60°-80°)	65.4	2.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6
2.5°	362.0	348.3	328.9	334.7	339.9	344.8	336.7	332.0	329.8	309.8	334.8
5°	444.4	427.4	418.6	416.3	410.7	398.2	419.0	409.7	412.8	416.8	424.9
7.5°	469.6	461.9	449.1	453.8	432.5	430.7	459.5	467.5	478.0	470.8	480.7
10°	456.7	443.3	449.4	447.7	446.8	465.6	485.9	486.3	502.0	509.6	476.3
12.5°	431.1	432.6	454.3	452.6	480.7	518.3	523.0	518.1	543.8	530.6	525.5
15°	448.1	460.7	448.8	452.9	462.8	509.9	526.4	541.5	565.8	573.7	539.6
17.5°	468.6	469.9	448.1	443.0	468.2	490.1	528.9	541.4	543.8	612.8	571.2
20°	457.5	468.3	442.3	410.4	449.5	479.3	518.6	514.7	530.7	624.3	578.3
22.5°	487.0	471.6	438.3	414.2	427.4	454.5	487.9	513.6	537.6	596.7	587.6
25°	489.8	484.2	454.5	433.2	430.9	437.8	484.2	500.8	538.4	621.5	579.7
27.5°	521.4	515.0	454.3	456.4	435.3	414.1	466.5	505.4	553.7	606.4	596.5
30°	562.2	562.7	484.5	491.1	461.0	426.9	481.0	491.6	564.1	630.5	608.8
32.5°	603.5	620.5	544.2	509.2	499.8	475.3	463.0	512.3	552.8	671.5	639.7
35°	666.3	677.8	593.4	562.0	525.1	497.3	511.9	529.6	593.7	725.9	680.3
37.5°	772.7	751.9	681.6	627.1	618.2	577.2	584.5	568.6	635.4	789.9	760.7
40°	832.5	813.7	740.6	714.1	657.6	663.9	640.9	650.1	695.9	856.7	833.9
42.5°	894.9	876.9	812.9	794.0	740.2	714.1	703.7	737.0	788.8	967.8	938.9
45°	957.6	911.9	884.8	894.2	870.0	818.3	806.2	835.9	890.3	1104.4	1049.6
47.5°	1010.4	971.9	951.5	947.2	937.8	1009.6	960.4	973.5	997.5	1225.2	1187.6
50°	1105.7	1067.7	1035.8	1027.0	1072.8	1174.7	1098.8	1073.5	1121.6	1371.2	1347.5
52.5°	1243.2	1194.9	1144.2	1144.3	1230.7	1286.6	1322.6	1278.2	1287.2	1531.8	1521.3
55°	1353.8	1292.4	1250.4	1283.6	1412.4	1443.7	1581.0	1542.1	1530.4	1680.8	1667.9
57.5°	1369.0	1295.4	1275.4	1333.6	1509.9	1710.0	1857.7	1760.4	1742.6	1805.4	1831.1
60°	1227.4	1149.2	1164.3	1257.8	1541.7	1872.3	2111.7	2032.3	1918.9	1951.4	1969.1
62.5°	915.4	853.0	895.2	1019.1	1419.3	1981.0	2405.8	2442.6	2123.5	2061.0	2057.2
65°	593.9	554.9	582.6	684.1	1074.1	1968.7	2668.6	2828.2	2284.7	2150.4	2084.9
67.5°	392.9	363.2	367.2	427.3	694.5	1601.1	2825.7	3018.6	2465.9	2201.1	1926.3
70°	292.8	269.5	270.9	303.5	412.3	1055.9	2606.6	2868.4	2532.1	2025.3	1554.7
72.5°	211.2	195.6	208.7	244.9	328.5	558.4	1942.8	2362.3	2208.0	1597.5	1047.5
75°	146.3	136.0	157.4	204.9	299.8	346.6	1283.8	1700.5	1547.6	1002.3	473.5
77.5°	81.1	78.0	108.8	166.9	272.2	284.1	786.4	1117.3	858.4	359.3	112.7
80°	35.4	34.3	52.7	125.3	228.8	256.7	442.7	619.5	337.6	64.1	36.4
82.5°	15.2	14.6	22.5	75.5	166.2	214.7	273.0	298.2	116.2	19.8	20.7
85°	2.7	3.0	9.0	39.8	101.2	109.0	197.7	176.5	58.5	9.4	14.8
87.5°	0.0	0.0	1.4	7.7	19.0	31.2	85.7	61.8	11.1	3.1	2.5
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°	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6	277.6
2.5°	338.3	330.5	300.6	296.8	292.7	286.6	284.4	271.5	269.8	286.4	286.4
5°	421.1	393.0	364.5	342.0	321.9	294.1	286.2	278.1	271.5	269.8	275.0
7.5°	464.8	430.5	385.7	328.5	282.1	241.8	225.0	213.2	199.9	203.9	206.0
10°	462.4	426.0	368.8	295.4	243.9	199.4	156.5	131.5	117.6	110.7	109.9
12.5°	485.9	451.6	357.5	268.9	203.3	141.8	98.5	80.7	70.4	70.5	69.7
15°	499.5	462.1	344.2	235.5	143.2	91.2	68.3	64.4	62.9	64.5	63.7
17.5°	523.5	473.2	314.3	185.6	98.5	68.8	62.8	61.3	63.1	66.3	65.5
20°	521.7	454.0	271.7	130.8	72.8	62.0	59.4	57.0	60.8	64.2	63.7
22.5°	520.0	435.2	231.7	96.5	60.8	56.5	54.4	53.4	55.4	59.3	60.1
25°	505.1	425.9	191.1	72.5	55.1	51.3	50.3	49.5	50.2	53.4	53.3
27.5°	523.4	402.4	147.5	60.8	51.0	46.5	45.7	44.3	42.9	45.7	46.1
30°	519.6	405.7	115.6	53.5	46.9	40.9	41.2	38.2	35.7	38.2	38.2
32.5°	533.4	382.0	92.6	48.6	42.9	38.5	35.0	31.9	30.1	31.6	31.9
35°	553.5	383.0	72.5	45.5	39.3	34.3	30.1	27.0	25.3	26.0	26.4
37.5°	620.8	376.3	60.6	43.1	38.1	31.8	27.4	23.3	22.2	23.0	23.5
40°	664.6	394.3	53.4	41.9	34.8	29.2	23.5	20.5	19.5	20.0	20.7
42.5°	747.2	404.2	49.9	40.5	31.9	25.0	20.1	18.4	17.0	17.6	18.1
45°	835.6	421.2	47.2	38.9	29.6	21.9	17.7	16.3	14.5	14.6	15.2
47.5°	944.2	461.7	44.1	36.3	26.6	20.0	15.7	13.6	11.9	11.8	12.5
50°	1090.1	515.8	41.3	32.9	24.6	18.3	13.8	11.1	9.7	9.3	9.8
52.5°	1245.8	585.8	38.4	30.5	22.2	16.0	11.8	9.0	7.7	7.4	7.9
55°	1400.0	652.9	35.5	28.9	19.7	13.8	10.0	7.4	6.3	6.0	6.3
57.5°	1575.8	725.6	31.9	25.9	17.3	11.9	8.3	6.2	5.2	4.9	5.1
60°	1708.2	751.2	28.8	22.5	15.0	10.5	7.0	4.9	4.2	3.9	4.1
62.5°	1771.0	709.4	25.9	19.5	13.2	9.1	5.9	4.1	3.5	3.2	3.2
65°	1754.7	617.0	22.9	16.7	11.4	7.6	4.6	3.5	3.1	2.7	2.5
67.5°	1566.4	482.8	19.5	14.1	9.6	6.2	3.9	3.4	2.8	2.5	2.1
70°	1242.2	349.6	15.9	11.7	8.0	5.1	3.1	3.1	2.7	2.5	2.0
72.5°	814.3	220.0	12.9	9.4	6.6	3.9	2.4	2.8	2.5	2.5	1.8
75°	352.8	78.7	10.4	7.6	5.5	2.7	2.1	2.5	2.7	2.5	2.1
77.5°	82.6	24.4	8.1	6.0	4.5	1.8	2.1	2.5	2.7	2.4	1.8
80°	31.1	10.4	5.3	3.9	3.5	1.1	1.8	1.5	1.4	1.0	0.3
82.5°	18.8	4.4	2.8	2.0	1.7	0.3	0.8	0.6	0.3	0.3	0.0
85°	13.3	2.1	1.5	1.4	0.8	0.0	0.1	0.0	0.0	0.1	0.0
87.5°	1.8	0.6	0.7	0.7	0.6	0.0	0.0	0.0	0.0	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)