

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: P367659

Luminaire Tested: **PMM-SA3A-727-U-SL2-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-17)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3A-727-U-SL2-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8040 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

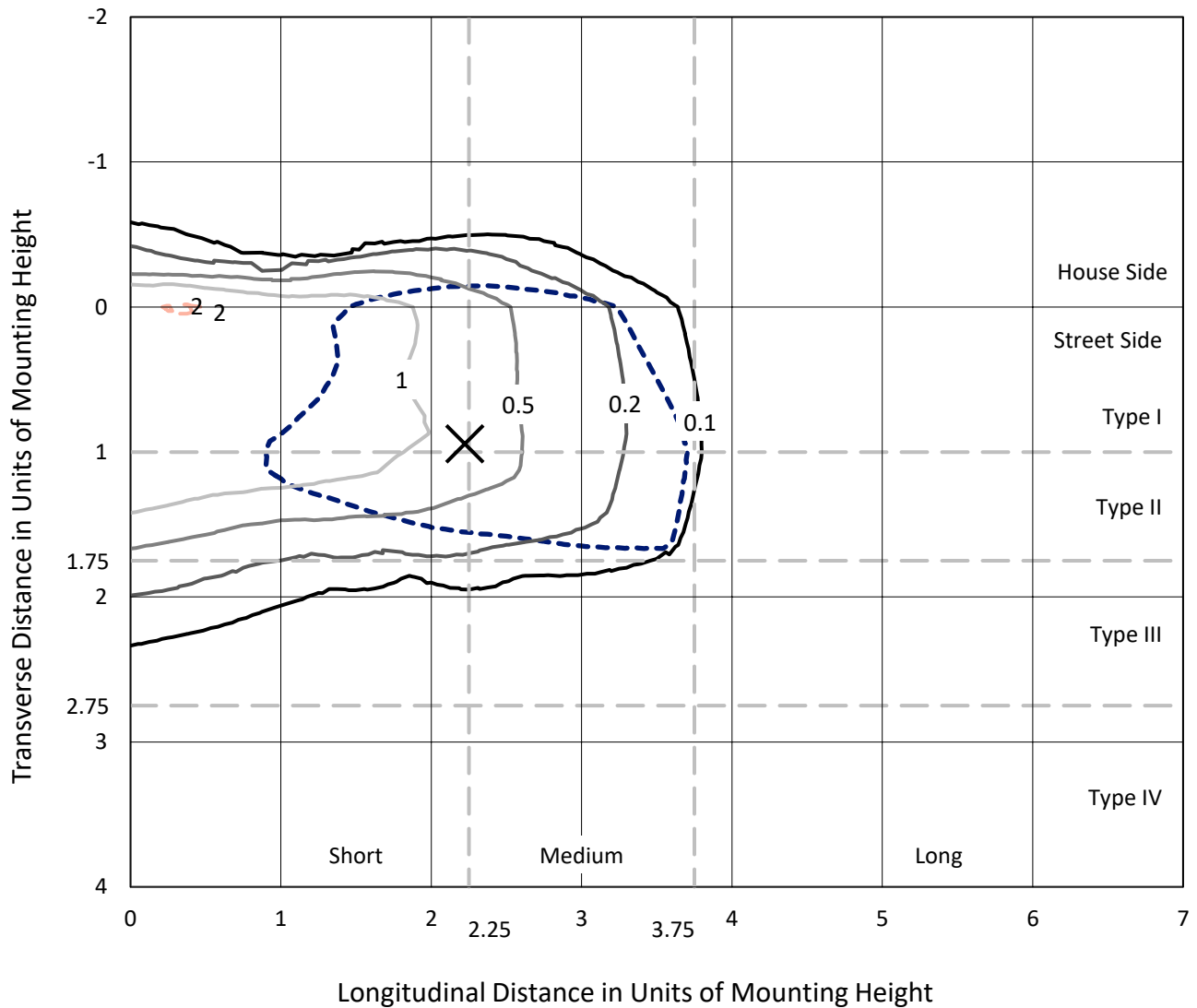
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

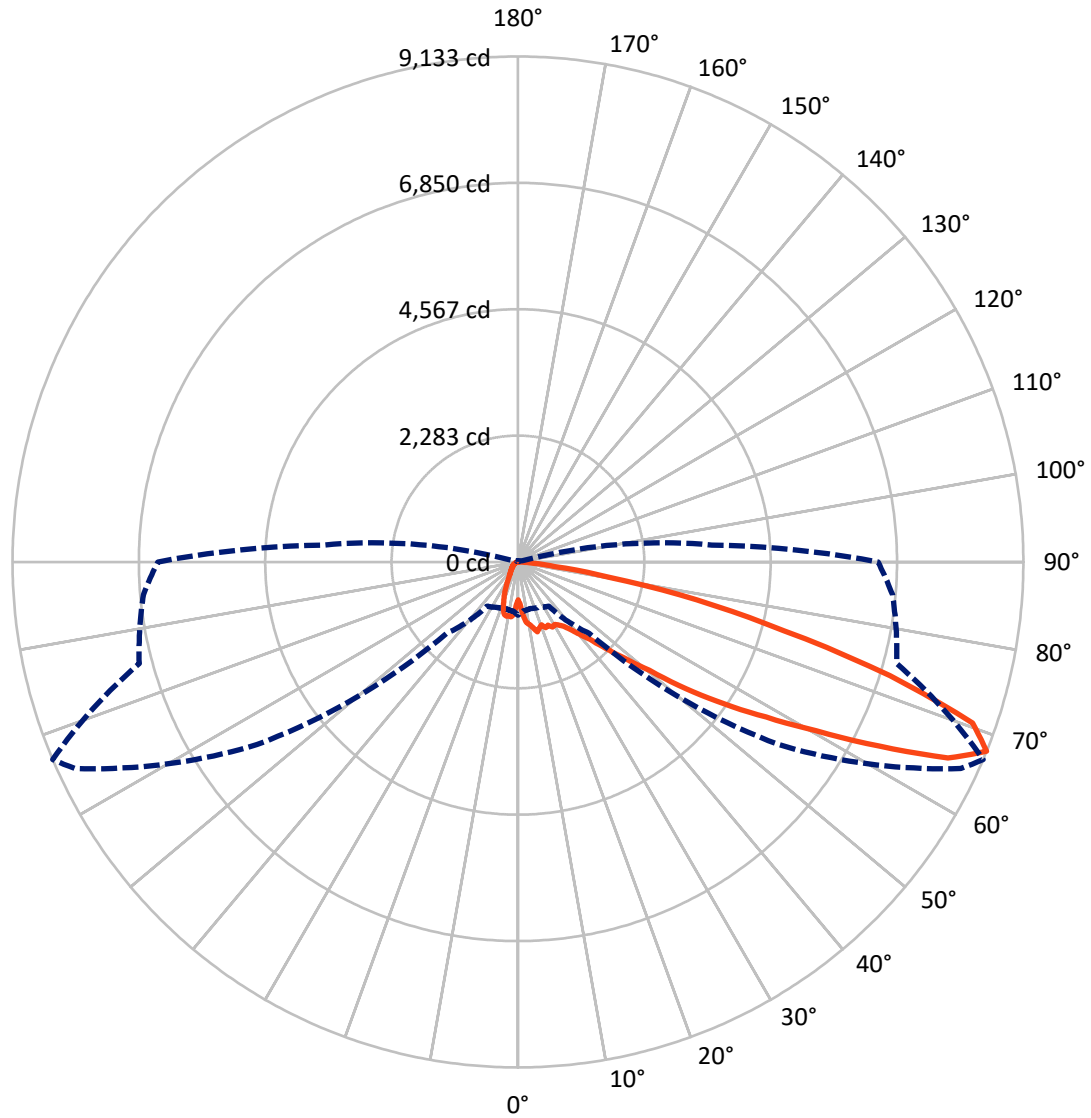
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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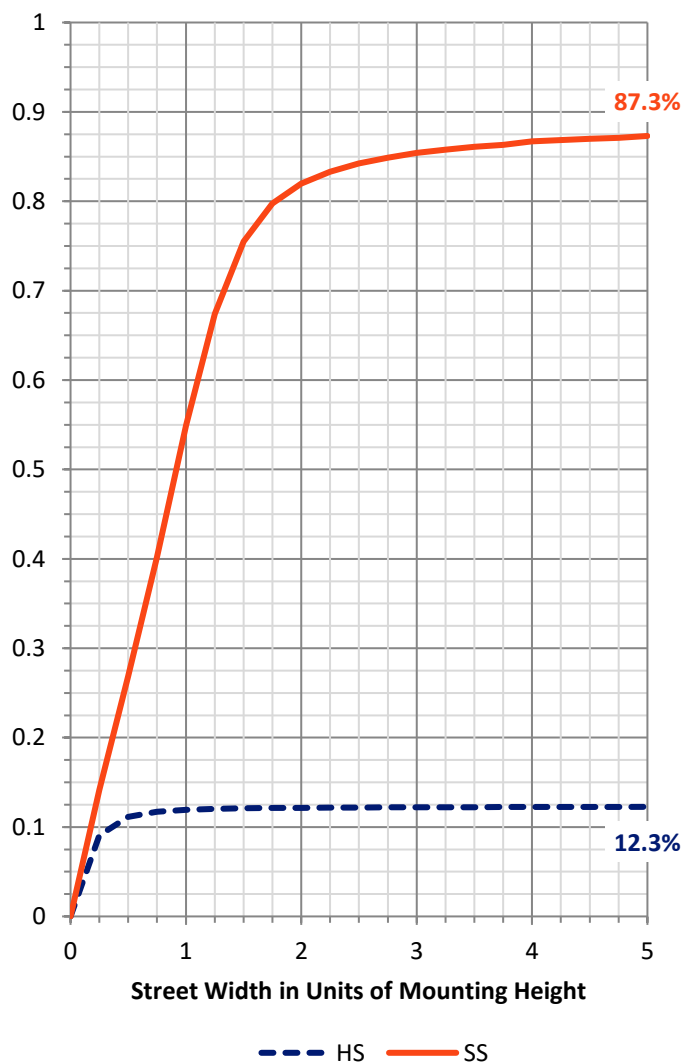
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	994.3	0.0	994.3
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	7045.7	0.0	7045.7
	% Fixture	87.6	0.0	87.6
Total	Lumens	8040.0	0.0	8040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.1
10°-20°	254.3	3.2
20°-30°	398.6	5.0
30°-40°	642.7	8.0
40°-50°	1181.0	14.7
50°-60°	1994.5	24.8
60°-70°	2205.0	27.4
70°-80°	1154.1	14.4
80°-90°	123.9	1.5
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°	8040.0	100.0
0°-180°	8040.0	100.0

Coefficient of Utilization

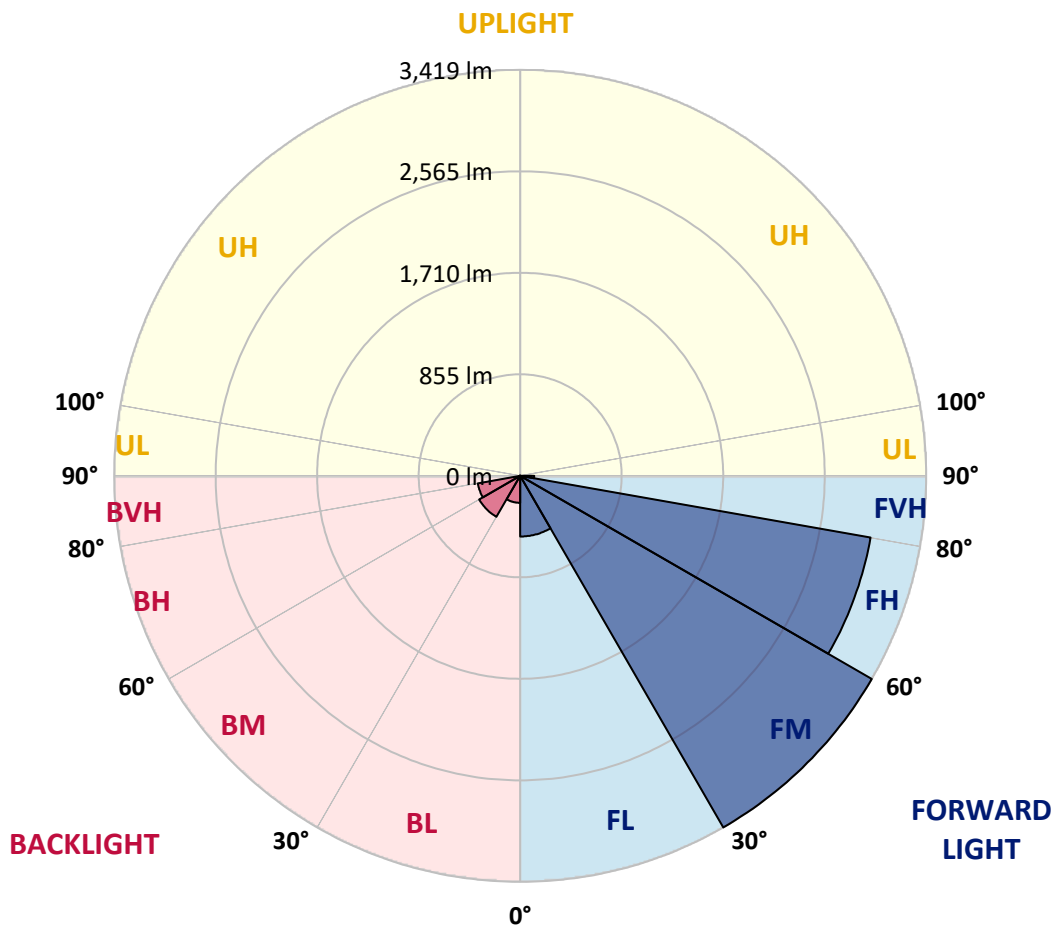


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	511.2	6.4			
FM (30°-60°)	3419.4	42.5			
FH (60°-80°)	2996.4	37.3			G2/5000
FVH (80°-90°)	118.7	1.5			G2/225
BL (0°-30°)	227.7	2.8	B1/500		
BM (30°-60°)	398.7	5.0	B1/1000		
BH (60°-80°)	362.7	4.5	B1/500		G1/500
BVH (80°-90°)	5.3	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8
2.5°	808.4	781.0	734.5	748.0	774.9	797.3	786.7	765.9	766.4	745.1	821.4
5°	940.5	903.8	876.9	886.3	885.0	884.2	934.4	953.6	961.7	996.8	1048.6
7.5°	978.4	965.4	937.2	945.8	917.7	919.7	1007.8	1091.0	1104.1	1125.7	1217.8
10°	963.8	938.5	948.7	948.7	949.1	994.7	1053.9	1133.4	1149.3	1232.5	1242.3
12.5°	947.8	949.1	989.4	982.1	1037.6	1119.6	1139.5	1228.9	1221.1	1293.3	1400.6
15°	1007.0	1038.0	1011.9	1022.1	1027.4	1123.6	1155.9	1274.5	1308.8	1400.2	1469.9
17.5°	1108.5	1112.6	1058.4	1043.7	1082.0	1109.4	1174.2	1231.3	1254.1	1494.0	1592.7
20°	1126.9	1153.0	1097.9	1013.1	1094.3	1131.8	1177.1	1204.4	1214.2	1522.9	1662.0
22.5°	1237.4	1208.5	1120.4	1055.9	1079.2	1120.0	1148.1	1230.5	1289.2	1468.3	1728.5
25°	1294.1	1286.4	1202.3	1147.3	1123.6	1120.4	1184.8	1247.2	1266.0	1525.0	1744.8
27.5°	1429.9	1412.4	1249.7	1242.7	1164.8	1096.3	1186.0	1298.2	1333.3	1471.5	1806.0
30°	1614.7	1608.2	1391.6	1387.1	1263.1	1139.9	1252.1	1329.6	1308.4	1498.9	1846.8
32.5°	1800.7	1853.7	1632.2	1505.8	1412.8	1300.2	1233.3	1319.8	1357.7	1565.3	1921.8
35°	2025.4	2063.7	1838.2	1746.4	1539.6	1375.3	1357.7	1413.2	1429.5	1644.5	2007.0
37.5°	2418.6	2360.6	2168.5	2012.3	1903.9	1643.2	1556.8	1512.7	1550.7	1751.7	2181.2
40°	2708.9	2672.2	2435.7	2342.3	2092.7	1940.1	1714.2	1673.0	1715.4	1861.8	2302.3
42.5°	3059.3	2983.0	2760.3	2697.1	2440.2	2146.1	1916.9	1931.2	1904.7	2079.2	2514.8
45°	3376.2	3204.1	3080.1	3094.4	2957.3	2560.1	2255.0	2248.1	2226.1	2394.1	2738.3
47.5°	3589.5	3439.0	3318.3	3278.7	3262.4	3288.1	2743.6	2620.4	2604.1	2724.9	3090.3
50°	3704.1	3539.3	3390.1	3398.2	3729.4	3978.6	3247.7	3072.8	3078.9	3204.9	3571.6
52.5°	3627.0	3440.6	3283.2	3436.1	4091.6	4439.1	4082.2	3663.7	3805.7	3773.4	4217.2
55°	3271.0	3109.1	2997.3	3271.0	4131.1	4934.6	5109.6	4553.3	4521.4	4448.0	4875.5
57.5°	2671.8	2532.3	2463.4	2752.2	3698.4	5333.9	6141.4	5558.6	5287.4	4979.9	5422.0
60°	1990.7	1887.9	1816.2	1968.7	2914.1	4946.0	6817.2	6506.0	6192.0	5492.5	5913.0
62.5°	1474.4	1390.8	1314.5	1328.4	2006.6	4253.9	7076.6	7509.8	7329.5	6033.8	6376.3
65°	1176.7	1100.4	1047.0	1016.4	1242.7	3200.4	6715.7	8332.4	8540.4	6543.6	6710.8
67.5°	960.9	896.5	869.9	905.0	974.8	1824.3	5751.5	8831.6	9133.4	7084.4	6793.2
70°	781.9	728.8	726.0	820.6	897.7	1112.2	4230.6	8487.0	8714.2	7176.6	6299.3
72.5°	544.9	521.6	558.8	692.9	889.5	926.2	2429.6	7023.2	7031.4	6338.4	5181.3
75°	308.3	304.7	363.4	552.6	866.3	916.8	1354.5	4963.1	4966.8	4793.9	3589.5
77.5°	169.7	158.7	211.7	373.6	743.9	895.6	873.6	3388.8	3302.0	2667.8	1639.6
80°	78.3	73.8	114.6	239.4	544.1	847.1	700.3	1862.7	1679.5	869.1	400.1
82.5°	32.2	30.6	52.6	153.8	343.8	682.3	590.2	826.3	663.2	165.2	123.6
85°	5.7	6.1	21.6	93.0	192.5	314.5	478.4	392.4	288.4	45.7	67.7
87.5°	0.0	0.0	4.5	22.4	46.5	86.1	194.1	109.7	75.5	13.5	20.0
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°	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8	684.8
2.5°	836.5	829.6	759.4	762.7	767.6	763.1	762.3	742.7	724.8	783.9	783.1
5°	1058.0	1008.6	960.1	941.3	900.9	847.9	848.3	831.6	814.5	838.5	838.5
7.5°	1215.8	1147.7	1086.1	976.4	869.5	772.9	764.3	741.5	715.4	746.8	752.9
10°	1252.5	1193.4	1113.8	952.7	851.6	757.4	653.8	568.5	529.0	510.6	507.4
12.5°	1365.5	1321.4	1143.6	965.4	819.8	660.3	490.6	389.5	320.6	315.3	307.9
15°	1440.9	1409.9	1173.0	934.0	685.2	474.7	308.3	236.6	208.8	206.4	202.7
17.5°	1558.0	1504.2	1144.8	834.1	535.9	313.2	207.2	186.8	190.1	197.4	191.7
20°	1605.7	1500.5	1083.7	689.3	376.4	210.0	179.9	168.9	177.4	184.3	181.1
22.5°	1654.7	1511.1	1029.4	568.1	245.9	173.7	160.3	154.6	155.4	162.3	162.7
25°	1654.2	1540.5	966.6	442.5	183.1	154.6	144.8	137.4	134.6	139.5	138.3
27.5°	1734.6	1506.6	852.0	328.3	161.1	138.3	128.9	119.9	109.7	114.6	114.6
30°	1735.0	1561.7	772.1	235.7	147.6	123.2	115.0	101.1	89.3	93.4	93.8
32.5°	1781.1	1513.9	698.2	180.3	137.0	114.2	96.3	83.6	76.7	79.1	79.1
35°	1833.7	1554.7	584.9	159.1	126.4	101.6	82.4	72.2	66.9	68.9	68.9
37.5°	2007.4	1546.2	506.1	148.1	119.5	91.8	75.0	63.6	61.2	62.4	64.0
40°	2070.3	1606.9	399.3	141.5	108.1	82.8	66.1	57.5	54.2	55.1	55.5
42.5°	2230.1	1620.4	318.9	136.2	97.9	71.8	58.7	52.6	48.5	48.5	49.8
45°	2406.7	1654.2	253.7	131.7	89.3	64.4	53.0	48.1	42.0	41.2	42.8
47.5°	2662.5	1783.9	206.8	122.8	79.1	60.0	48.9	41.6	36.7	35.1	36.7
50°	3090.3	2004.2	182.7	111.8	71.8	56.3	43.2	35.5	31.8	29.8	31.0
52.5°	3693.9	2384.7	170.1	101.6	65.3	50.6	38.7	31.0	27.3	25.7	26.5
55°	4364.4	2821.1	164.0	91.4	59.5	44.5	33.9	27.3	24.1	22.0	22.4
57.5°	4984.4	3231.4	157.8	81.6	53.8	39.6	29.8	24.1	20.8	18.8	19.2
60°	5595.3	3558.9	143.2	70.2	48.5	35.5	26.1	20.8	18.8	16.3	16.3
62.5°	6135.7	3754.7	121.9	60.8	43.6	31.4	23.2	18.8	17.1	14.7	14.7
65°	6503.6	3763.7	98.3	52.2	38.3	26.9	20.4	17.5	15.9	13.1	12.6
67.5°	6508.9	3518.9	78.7	46.5	33.9	23.7	18.4	16.7	14.7	12.2	11.4
70°	5825.7	2907.2	65.7	40.8	29.4	20.8	15.9	15.9	14.3	11.8	10.6
72.5°	4660.1	2221.6	55.1	35.5	26.1	17.9	14.7	15.1	13.9	11.8	10.6
75°	3132.3	1274.1	45.7	30.2	22.8	15.1	14.3	14.7	14.3	11.8	10.2
77.5°	1442.6	405.8	35.5	24.9	19.6	12.6	13.9	13.9	13.1	10.6	9.0
80°	325.1	99.9	25.7	18.4	15.9	9.4	12.6	11.4	10.2	7.3	5.3
82.5°	118.3	30.6	15.5	11.4	9.8	3.7	8.2	8.2	7.3	5.3	3.3
85°	67.7	15.9	8.6	7.3	5.3	1.6	4.5	4.9	4.1	3.7	1.6
87.5°	22.0	3.7	4.1	4.5	4.1	0.8	1.6	1.6	1.2	0.8	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)