

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P367124

Luminaire Tested: **PMM-SA1D-830-U-T4FT**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P367124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-12)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1D-830-U-T4FT
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5462 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

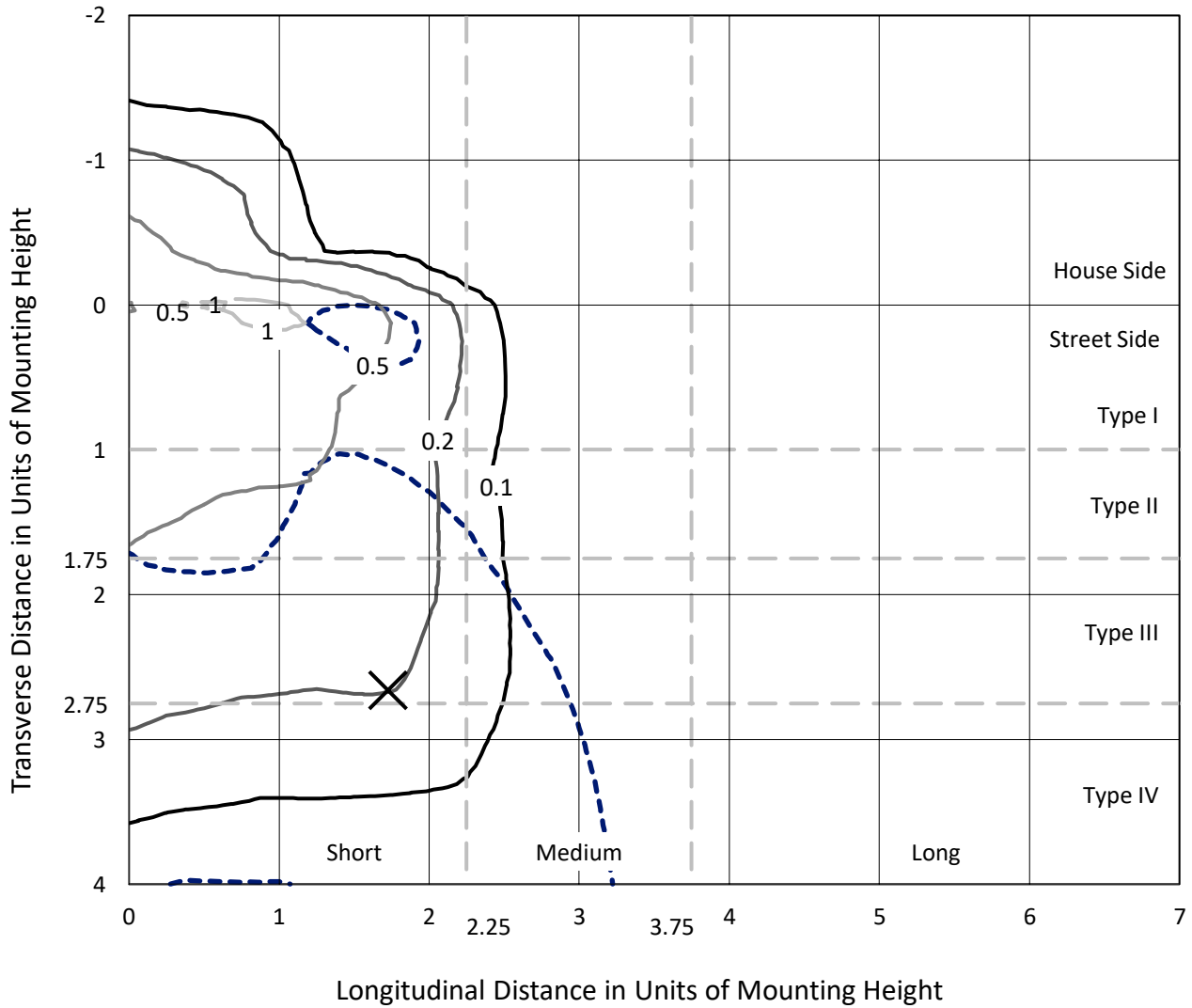
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

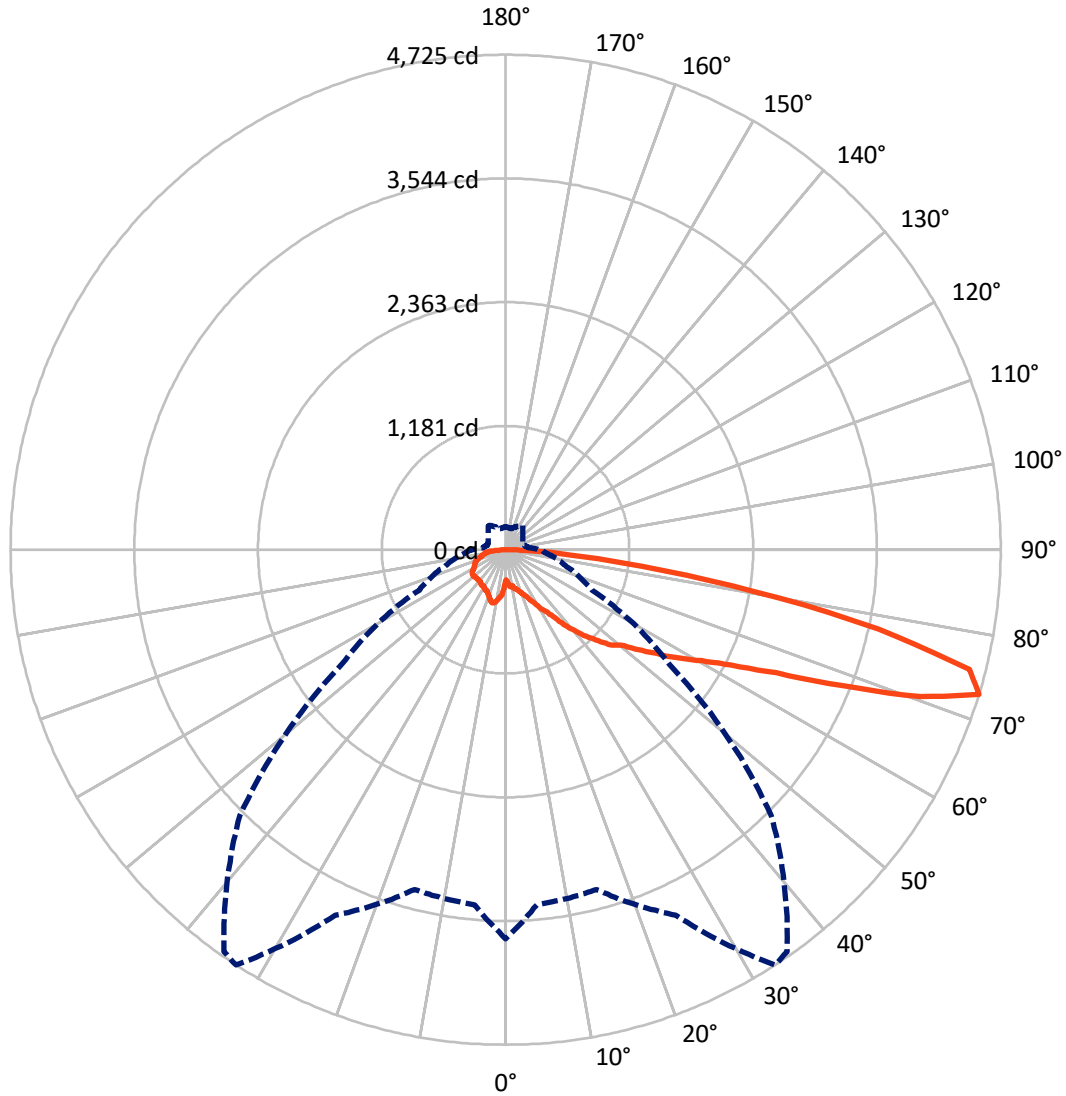
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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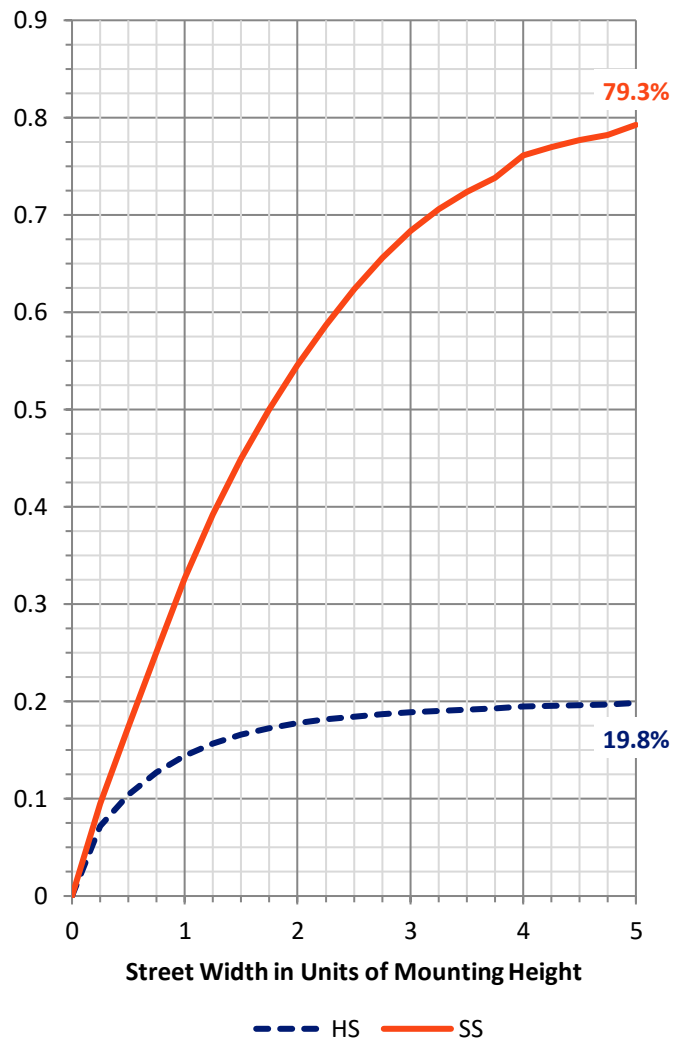
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1104.9	0.0	1104.9
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	4357.0	0.0	4357.0
	% Fixture	79.8	0.0	79.8
Total	Lumens	5462.0	0.0	5462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	0.7
10°-20°	145.5	2.7
20°-30°	265.4	4.9
30°-40°	449.0	8.2
40°-50°	746.9	13.7
50°-60°	1096.1	20.1
60°-70°	1402.2	25.7
70°-80°	1140.8	20.9
80°-90°	176.7	3.2
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°	5462.0	100.0
0°-180°	5462.0	100.0

Coefficient of Utilization

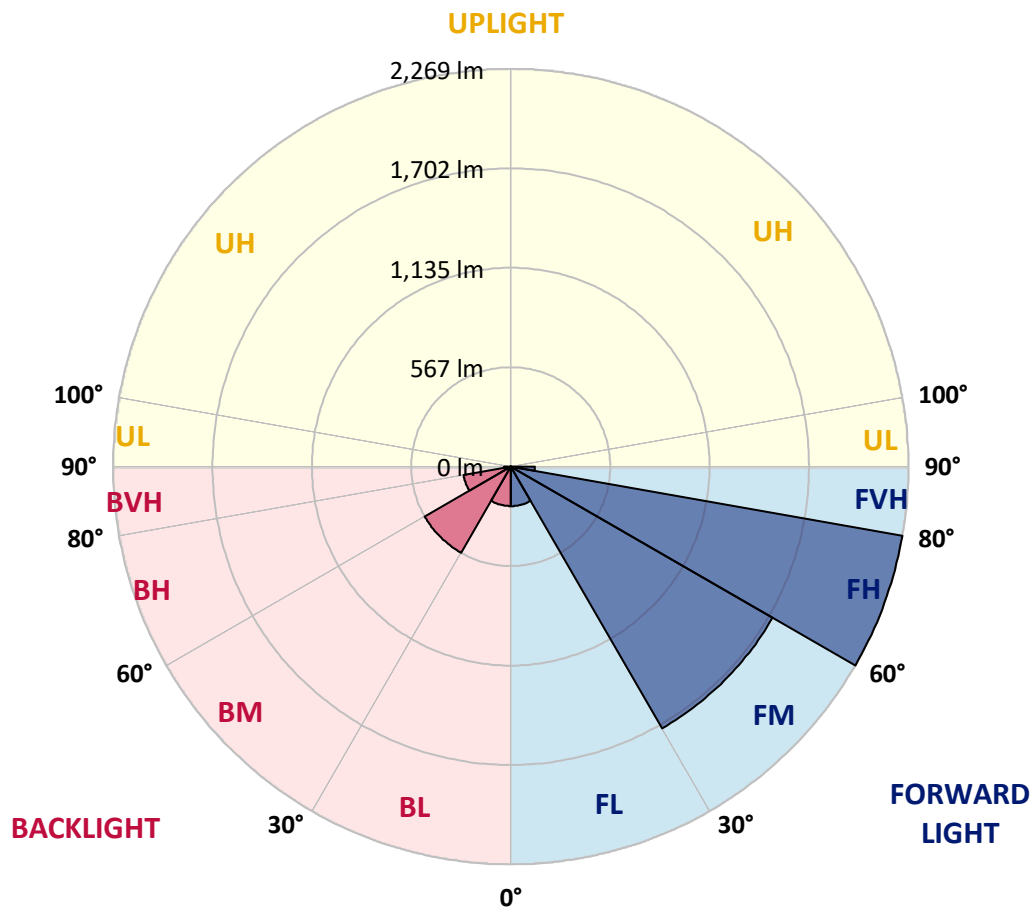


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.4	4.1			
FM (30°-60°)	1724.5	31.6			
FH (60°-80°)	2269.3	41.5			G2/5000
FVH (80°-90°)	137.9	2.5			G2/225
BL (0°-30°)	224.9	4.1	B1/500		
BM (30°-60°)	567.5	10.4	B1/1000		
BH (60°-80°)	273.8	5.0	B1/500		G1/500
BVH (80°-90°)	38.8	0.7			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4
2.5°	324.7	314.5	297.7	297.3	306.6	308.6	314.7	315.2	317.4	313.8	339.7
5°	358.2	347.4	340.8	343.1	338.7	344.0	344.0	358.9	378.9	402.0	434.8
7.5°	366.2	358.2	350.8	356.4	357.3	352.3	357.1	392.2	428.2	451.4	503.9
10°	350.3	342.4	348.0	349.9	349.6	361.0	385.7	413.7	453.9	496.5	524.8
12.5°	347.4	353.0	355.7	358.9	380.4	383.8	421.2	450.2	490.6	527.9	601.6
15°	391.1	398.6	381.8	380.7	387.7	390.9	429.6	458.8	517.8	580.5	646.7
17.5°	453.4	456.1	426.0	410.6	415.8	418.3	435.3	472.0	508.2	624.2	706.7
20°	513.7	515.5	458.8	424.4	442.8	445.5	461.3	482.4	511.0	648.7	747.3
22.5°	576.9	565.3	503.2	459.7	470.4	471.1	480.4	491.9	532.5	644.9	796.7
25°	646.0	638.7	560.6	518.9	518.4	509.1	509.6	526.1	555.4	686.1	829.1
27.5°	737.8	738.7	625.2	602.7	567.6	561.5	530.9	561.7	595.0	686.6	899.1
30°	856.7	834.7	715.1	678.9	644.2	631.3	589.8	616.1	630.6	725.8	975.2
32.5°	953.5	947.1	808.9	754.1	697.4	712.4	666.6	643.5	669.6	793.3	1090.6
35°	1046.2	1025.3	908.2	836.8	777.2	768.1	738.4	742.3	758.2	878.7	1241.2
37.5°	1184.4	1173.0	1048.6	934.4	906.6	869.6	850.8	862.8	850.4	988.1	1467.2
40°	1338.9	1273.2	1166.0	1064.3	1012.2	986.1	992.7	981.3	971.8	1111.0	1669.7
42.5°	1486.9	1427.0	1244.0	1198.2	1130.2	1141.1	1105.1	1113.0	1140.0	1285.2	1857.1
45°	1648.0	1518.6	1326.7	1286.3	1237.6	1251.4	1280.2	1271.6	1315.8	1490.7	2033.6
47.5°	1728.4	1605.4	1428.2	1362.5	1361.8	1333.0	1508.2	1527.2	1458.1	1643.0	2212.8
50°	1805.9	1684.9	1503.6	1459.2	1427.0	1488.7	1726.8	1683.1	1586.8	1817.7	2410.0
52.5°	1913.8	1775.8	1590.2	1542.8	1582.7	1639.8	1901.3	1892.7	1713.0	1997.4	2581.3
55°	1996.0	1856.7	1720.5	1676.5	1752.7	1808.6	2078.9	2027.0	1821.1	2129.2	2689.8
57.5°	2140.1	1997.1	1912.8	1815.2	1952.0	1951.1	2250.2	2210.1	1936.6	2237.5	2733.5
60°	2369.2	2201.3	2113.2	2000.5	2147.1	2199.5	2446.0	2330.4	2018.4	2306.0	2654.7
62.5°	2690.7	2491.3	2348.3	2236.9	2415.6	2510.4	2687.8	2418.1	2023.6	2286.5	2447.4
65°	3088.4	2845.9	2658.5	2540.7	2835.7	2971.0	2980.1	2472.3	1975.6	2085.1	2011.4
67.5°	3476.3	3203.7	3008.2	3030.6	3461.3	3525.5	3296.8	2517.6	1717.5	1674.3	1396.7
70°	3731.7	3436.2	3305.9	3543.8	4198.2	4132.5	3553.6	2398.2	1352.5	1085.4	786.5
72.5°	3712.4	3403.1	3356.2	3848.8	4725.2	4684.2	3584.8	1907.2	905.9	593.4	392.2
75°	3024.5	2784.1	2890.6	3643.5	4573.4	4571.4	3112.4	1180.5	464.7	304.8	247.9
77.5°	1672.2	1578.9	1891.8	2758.7	3641.5	3660.1	2103.0	535.4	250.6	215.9	186.7
80°	585.7	577.1	819.8	1488.7	2395.5	2400.0	977.9	244.9	182.2	163.4	137.1
82.5°	214.1	212.3	339.9	691.5	1319.0	1316.0	370.9	152.5	135.0	115.6	90.4
85°	85.4	83.6	155.4	307.0	605.9	596.2	144.1	86.6	88.4	68.9	44.4
87.5°	23.6	24.5	52.8	96.1	185.6	172.0	36.3	29.2	35.8	28.1	14.0
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°	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4
2.5°	344.2	346.5	324.0	332.0	342.1	347.6	350.3	338.7	342.6	358.9	358.2
5°	441.6	432.6	423.9	432.8	426.9	418.5	432.1	431.4	440.3	449.1	451.1
7.5°	514.4	502.6	498.5	478.6	458.6	438.4	455.9	466.8	469.0	491.0	500.3
10°	540.6	536.1	537.7	511.4	508.9	511.0	494.9	477.4	488.1	479.0	485.8
12.5°	601.4	612.7	584.6	566.7	565.1	552.6	520.5	509.1	497.1	509.6	503.2
15°	650.1	671.2	641.0	609.5	573.9	554.7	527.3	510.0	502.1	504.8	497.1
17.5°	721.5	741.2	664.6	616.3	579.6	551.3	509.4	472.7	492.1	493.7	484.9
20°	768.8	770.2	672.5	599.5	566.5	517.3	476.5	444.3	466.8	489.7	499.6
22.5°	815.0	804.8	682.3	586.2	518.7	471.1	451.1	449.1	465.9	485.1	487.4
25°	849.7	851.3	687.9	581.2	490.6	425.8	425.8	440.5	455.2	501.0	498.7
27.5°	933.8	871.9	665.9	558.3	451.6	399.2	426.0	445.7	452.7	502.3	507.3
30°	994.9	954.6	670.5	519.1	412.2	386.8	408.8	433.5	452.9	510.3	508.5
32.5°	1097.6	989.1	681.1	464.1	382.7	382.0	401.5	427.6	450.9	501.7	504.4
35°	1211.1	1090.6	651.4	422.1	375.7	379.3	404.5	414.9	442.3	498.3	500.8
37.5°	1421.2	1143.6	632.6	389.7	371.1	381.6	391.1	407.2	434.8	481.3	497.6
40°	1544.4	1252.8	562.8	370.9	361.6	379.8	384.5	398.1	413.1	460.9	471.3
42.5°	1706.7	1287.2	503.2	350.1	356.9	372.3	386.6	390.0	399.9	428.7	447.7
45°	1841.9	1313.1	440.0	333.3	340.8	388.8	389.7	388.1	386.3	397.0	412.6
47.5°	1982.0	1382.4	381.8	314.7	334.7	402.4	391.3	376.8	369.3	370.7	385.2
50°	2136.5	1432.7	340.6	299.5	336.0	402.4	399.0	365.3	350.3	346.5	361.6
52.5°	2272.4	1438.6	309.3	287.3	330.4	388.6	404.2	358.0	332.9	323.6	337.8
55°	2346.5	1364.1	286.6	276.2	315.9	376.1	401.5	353.9	311.8	304.8	317.4
57.5°	2344.9	1240.3	267.4	260.8	299.3	358.7	386.3	331.7	298.9	294.8	307.3
60°	2260.4	1095.3	252.6	248.1	282.3	333.3	359.1	317.2	286.4	284.4	298.0
62.5°	2068.7	945.5	238.4	234.7	266.5	315.4	346.2	301.1	273.5	273.3	286.2
65°	1694.2	759.1	225.0	224.1	251.7	297.7	334.0	287.5	260.1	264.7	277.8
67.5°	1167.4	533.4	210.7	213.4	238.1	280.7	324.7	278.5	246.1	255.4	267.1
70°	640.6	329.9	194.9	200.3	220.9	261.0	310.2	263.7	227.7	242.0	250.2
72.5°	325.8	220.0	175.2	183.8	199.8	232.0	283.0	242.4	208.0	213.4	217.8
75°	218.9	165.6	153.2	162.7	174.2	204.4	251.1	222.5	189.2	188.5	193.3
77.5°	165.4	129.4	130.1	140.9	148.4	179.7	225.7	205.7	173.3	171.8	178.8
80°	121.0	98.1	104.7	116.0	122.8	161.3	209.1	187.2	151.8	145.5	151.4
82.5°	80.2	69.6	77.5	88.8	94.3	134.8	189.9	158.8	123.7	107.6	108.5
85°	37.8	36.5	46.2	51.7	58.7	83.6	142.1	109.9	78.9	65.3	68.2
87.5°	8.6	11.6	15.2	15.0	17.4	22.4	44.2	30.8	22.9	15.6	10.4
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)