

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: P598288

Luminaire Tested: **PMM-SA1C-835-U-SL4**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P598288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-20)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA1C-835-U-SL4  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5037 lumens  
Efficiency: N/A  
Efficacy: 85.4 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

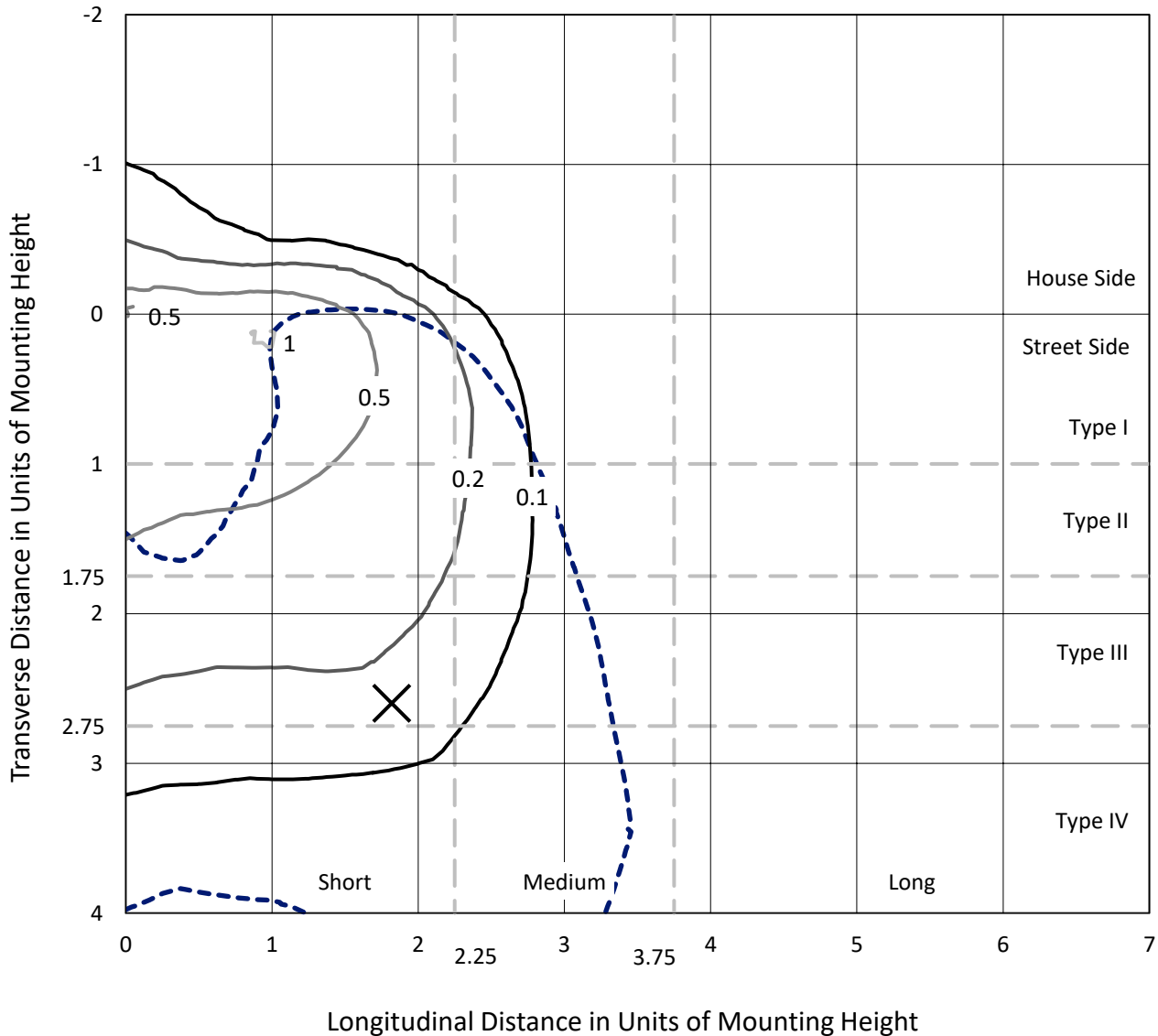
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P598288  
 CATALOG NUMBER: PMM-SA1C-835-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

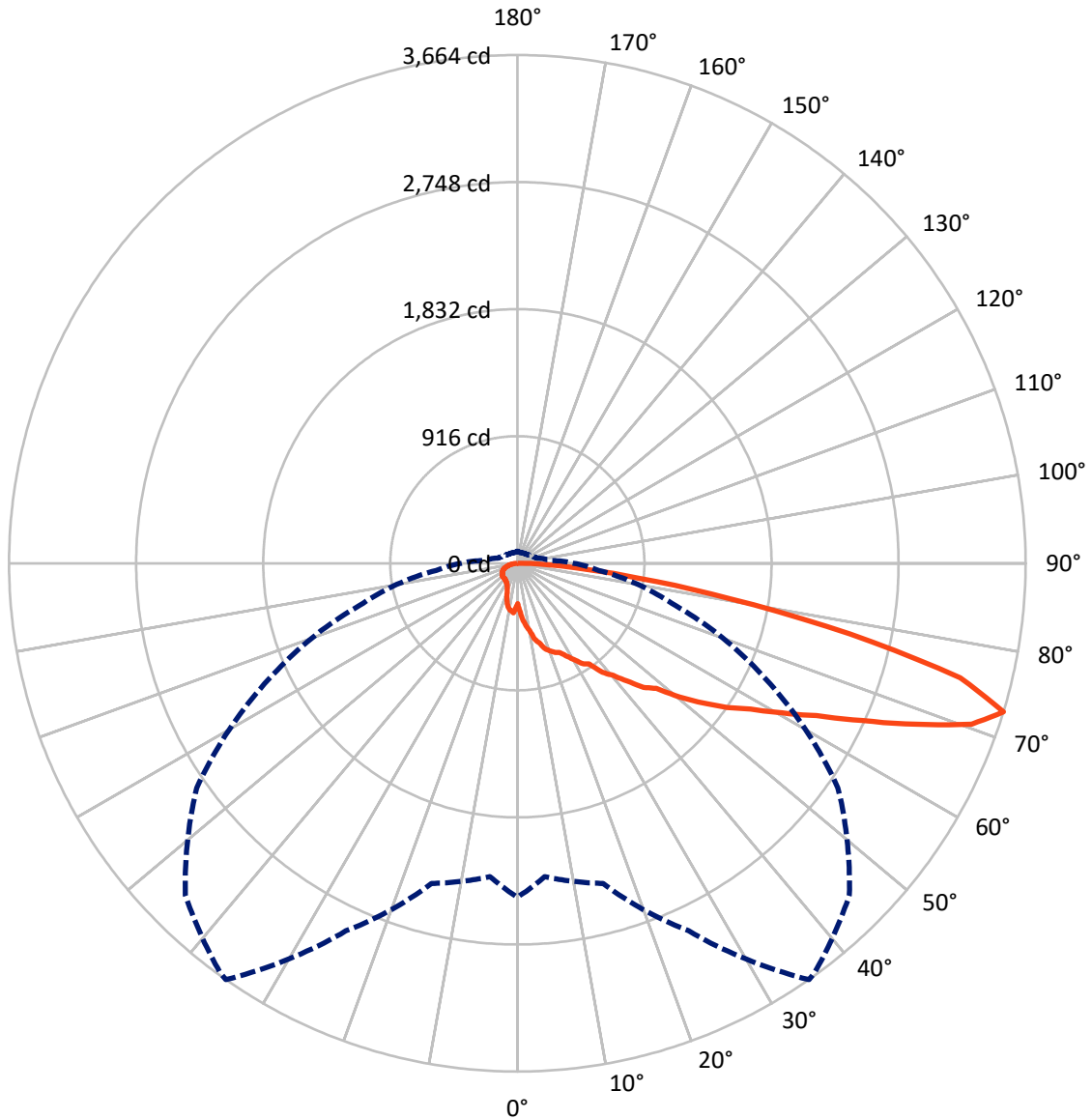
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P598288  
CATALOG NUMBER: PMM-SA1C-835-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P598288

CATALOG NUMBER: PMM-SA1C-835-U-SL4

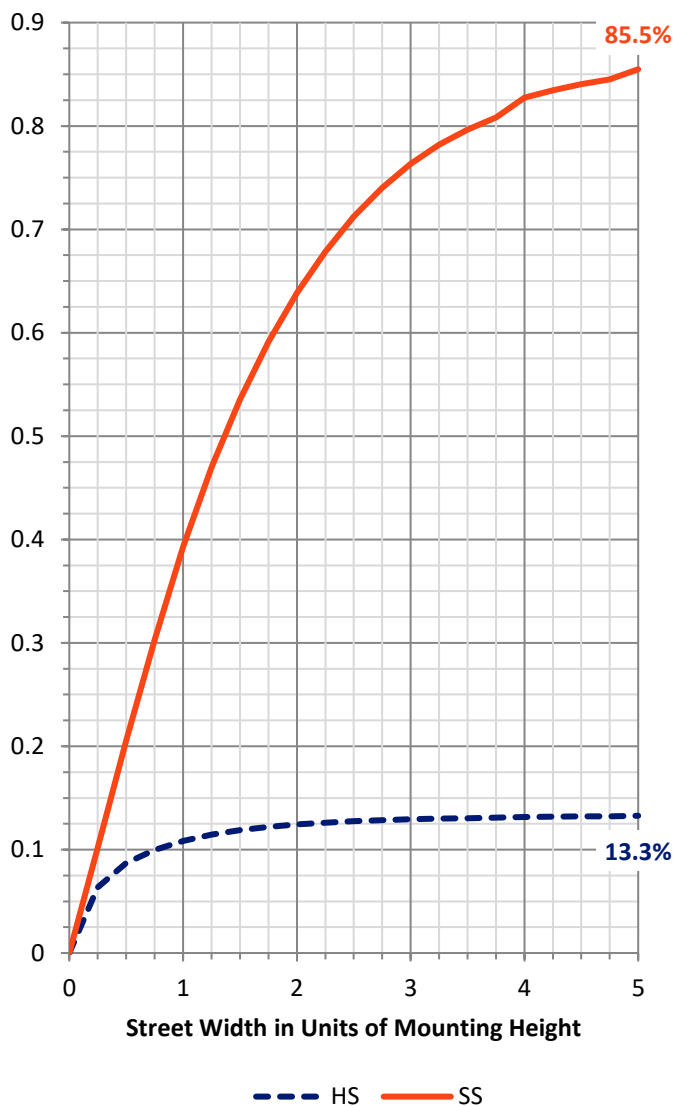
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	676.0	0.0	676.0
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	4361.0	0.0	4361.0
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	5037.0	0.0	5037.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.7	0.8
10°-20°	136.3	2.7
20°-30°	236.8	4.7
30°-40°	395.8	7.9
40°-50°	686.9	13.6
50°-60°	1038.4	20.6
60°-70°	1345.2	26.7
70°-80°	992.6	19.7
80°-90°	166.4	3.3
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°	5037.0	100.0
0°-180°	5037.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P598288

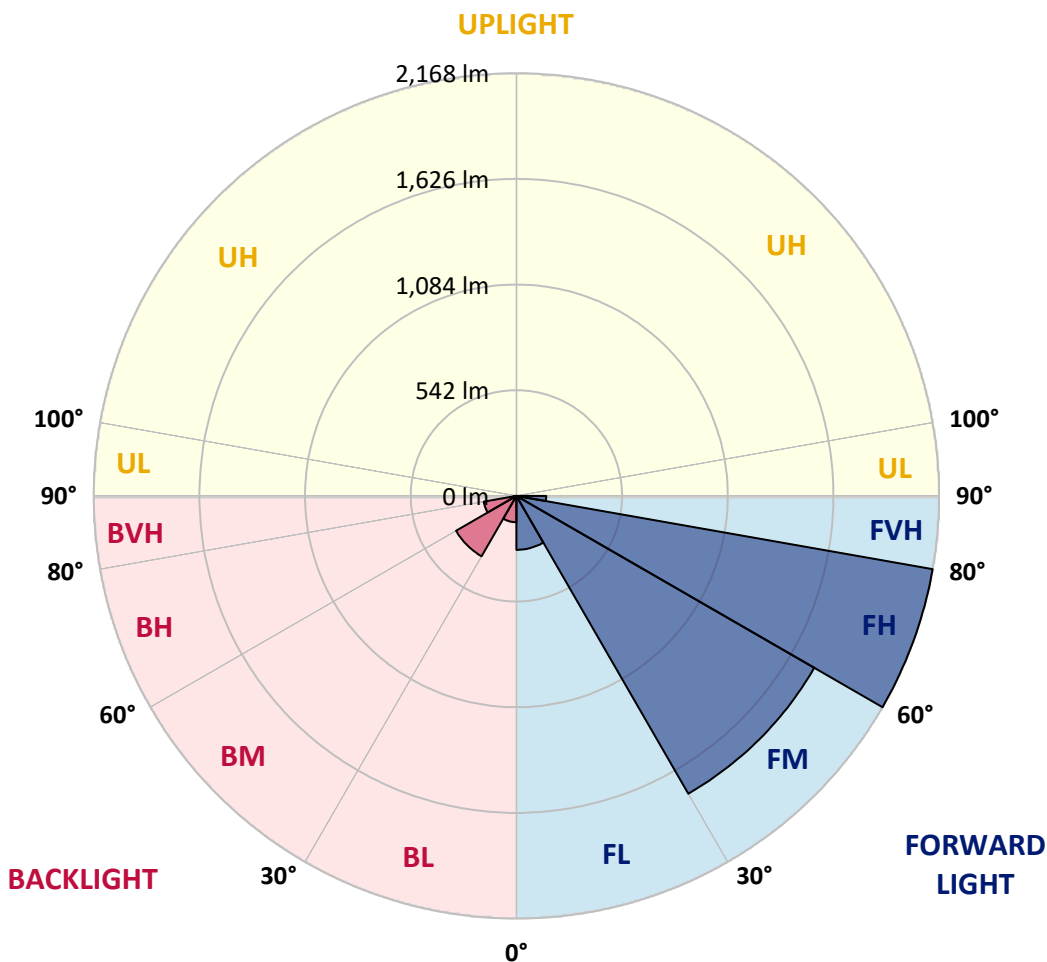
CATALOG NUMBER: PMM-SA1C-835-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.6	5.5			
FM (30°-60°)	1763.8	35.0			
FH (60°-80°)	2167.9	43.0			G2/5000
FVH (80°-90°)	152.7	3.0			G2/225
BL (0°-30°)	135.1	2.7	B1/500		
BM (30°-60°)	357.3	7.1	B1/1000		
BH (60°-80°)	170.0	3.4	B1/500		G1/500
BVH (80°-90°)	13.6	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 IV Short





REPORT NUMBER: P598288

CATALOG NUMBER: PMM-SA1C-835-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1
2.5°	363.1	345.7	330.6	330.0	344.0	349.4	347.2	342.5	336.9	325.1	350.9
5°	454.9	430.0	425.2	419.7	407.0	410.4	389.8	405.5	410.4	421.8	439.0
7.5°	509.1	494.5	483.1	478.3	456.4	453.8	438.6	460.9	470.4	468.9	494.5
10°	530.4	517.0	517.9	502.4	495.3	498.3	500.1	500.5	506.3	511.0	498.1
12.5°	541.3	546.5	565.4	554.9	563.9	567.6	585.6	567.1	567.8	543.5	556.8
15°	596.6	609.5	598.5	598.1	595.3	601.3	616.8	604.3	614.0	606.3	589.1
17.5°	663.2	667.1	646.0	637.4	648.6	646.7	642.8	644.7	620.7	665.4	644.3
20°	683.7	698.9	671.2	637.4	674.4	679.4	678.5	670.1	628.8	693.3	672.9
22.5°	743.0	722.4	700.4	678.9	697.8	700.6	695.9	675.9	662.2	686.7	702.8
25°	769.9	764.9	737.0	734.4	713.5	703.6	711.8	706.0	692.5	736.1	718.3
27.5°	831.3	825.5	761.3	787.7	757.4	754.8	711.6	731.0	744.5	741.3	767.9
30°	901.0	907.7	813.7	840.2	805.1	800.4	757.0	781.5	790.7	793.7	827.0
32.5°	978.4	996.7	903.4	881.7	863.0	866.2	829.4	784.7	820.6	890.9	905.3
35°	1062.2	1069.8	971.9	939.3	890.5	887.0	887.7	893.3	929.6	1009.8	1021.0
37.5°	1217.2	1182.4	1096.6	1013.9	997.5	965.5	987.2	1004.4	1040.7	1163.7	1210.6
40°	1312.7	1286.9	1156.2	1108.3	1063.1	1066.1	1106.7	1106.5	1192.3	1319.2	1390.7
42.5°	1401.1	1372.9	1249.7	1201.6	1158.8	1169.3	1180.9	1201.3	1365.8	1570.3	1602.9
45°	1472.2	1410.5	1321.9	1311.2	1275.9	1262.0	1311.2	1343.9	1573.3	1773.4	1792.3
47.5°	1520.6	1469.9	1383.2	1373.8	1347.7	1381.9	1516.3	1537.4	1734.1	1977.4	1975.9
50°	1594.1	1524.7	1446.4	1441.5	1514.8	1533.1	1696.9	1694.7	1890.6	2146.8	2111.4
52.5°	1678.8	1591.3	1506.4	1559.5	1671.3	1680.3	1822.4	1880.3	2061.5	2310.2	2217.6
55°	1776.2	1678.4	1596.3	1667.2	1833.6	1807.0	1950.8	2092.0	2275.4	2482.4	2294.3
57.5°	1896.8	1778.1	1711.7	1819.6	1981.7	2005.4	2134.6	2312.4	2447.6	2589.5	2350.2
60°	2024.1	1884.8	1823.9	1926.7	2189.2	2216.3	2342.7	2495.6	2640.7	2690.3	2339.7
62.5°	2145.6	1994.9	1939.8	2066.7	2419.2	2486.3	2579.6	2677.0	2801.3	2714.8	2212.2
65°	2280.8	2129.9	2095.2	2285.5	2731.2	2797.8	2919.7	2890.5	2856.3	2628.0	2001.3
67.5°	2424.0	2270.7	2277.1	2539.4	3099.0	3110.4	3297.7	3103.3	2791.6	2397.9	1647.2
70°	2500.9	2344.0	2410.4	2810.1	3473.3	3457.0	3495.2	3160.5	2527.8	1895.5	1135.3
72.5°	2407.6	2267.7	2389.3	2924.0	3663.8	3646.2	3384.3	2821.0	1976.4	1178.8	588.6
75°	2038.5	1903.5	2089.7	2606.5	3298.3	3314.6	2880.2	2097.8	1131.5	474.0	244.4
77.5°	1385.2	1315.5	1475.0	1942.8	2450.0	2506.5	2137.0	1226.7	475.1	196.3	147.9
80°	732.0	698.9	816.7	1119.2	1551.3	1593.5	1256.6	611.0	243.4	127.1	105.6
82.5°	397.7	383.7	447.0	575.5	881.4	918.2	651.6	405.9	164.0	79.5	64.5
85°	267.2	261.9	303.8	309.1	416.9	428.9	341.4	312.6	98.5	38.9	42.6
87.5°	133.7	128.3	159.9	141.2	159.1	159.3	156.5	199.5	24.9	12.9	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P598288  
 CATALOG NUMBER: PMM-SA1C-835-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1	291.1
2.5°	351.3	343.8	317.7	317.5	321.4	318.8	320.8	310.2	305.7	326.3	325.3
5°	436.6	414.1	392.3	384.8	376.0	356.9	358.0	358.2	354.9	367.2	368.1
7.5°	486.7	459.6	439.6	399.7	368.3	343.8	347.0	350.6	347.0	363.3	369.3
10°	494.0	472.5	448.7	404.2	383.3	361.2	338.8	319.0	316.7	309.1	311.5
12.5°	537.5	519.6	469.7	420.9	396.6	362.7	321.8	299.3	280.3	283.6	277.5
15°	573.2	560.5	500.7	436.9	378.8	336.7	293.2	262.3	245.3	243.4	237.3
17.5°	621.5	603.5	503.5	425.9	355.8	305.3	256.3	221.2	213.9	210.9	207.9
20°	644.7	612.3	493.4	391.5	328.9	267.9	219.7	189.6	187.5	192.8	191.8
22.5°	665.0	619.6	484.4	370.6	287.0	230.0	194.8	175.0	172.6	179.5	180.8
25°	676.8	640.4	474.5	349.4	261.0	201.9	176.1	164.9	165.3	174.4	173.3
27.5°	730.1	647.8	449.5	324.2	231.1	181.0	167.0	161.2	158.9	171.3	172.4
30°	763.6	695.5	443.9	297.5	209.0	165.8	158.9	156.5	156.1	171.1	172.2
32.5°	826.0	711.4	446.5	268.5	189.0	161.0	152.9	152.6	156.9	171.3	173.1
35°	912.4	778.5	434.1	252.0	178.0	153.7	148.1	149.8	157.2	172.8	175.2
37.5°	1080.9	841.7	437.9	236.5	174.4	151.3	146.8	147.9	159.7	176.7	183.2
40°	1214.5	956.3	431.9	228.7	169.4	150.9	144.0	148.3	159.5	178.9	184.7
42.5°	1407.9	1047.6	432.6	221.0	169.2	149.2	143.6	148.8	159.1	176.9	184.9
45°	1573.9	1129.5	441.8	216.5	167.0	152.0	143.0	149.4	156.3	170.1	178.9
47.5°	1710.0	1220.9	451.3	212.2	166.2	154.6	142.3	144.9	151.6	162.3	170.3
50°	1820.9	1285.2	463.3	211.3	166.2	153.3	140.6	140.4	146.0	154.6	162.1
52.5°	1907.4	1330.5	471.5	212.4	166.2	148.3	138.5	136.7	140.2	146.4	153.9
55°	1969.9	1344.5	464.8	215.2	166.0	143.8	134.6	133.1	134.8	139.1	146.2
57.5°	1995.1	1307.8	425.0	210.3	166.0	140.6	129.9	128.1	129.9	133.1	140.2
60°	1932.1	1189.5	367.6	197.6	162.7	136.3	124.5	123.4	126.0	128.8	135.7
62.5°	1774.1	1032.4	306.4	182.5	156.1	132.6	119.3	119.5	123.6	127.5	134.4
65°	1528.5	842.3	255.4	167.3	147.7	126.8	113.9	115.4	121.3	126.4	133.3
67.5°	1202.8	624.1	215.0	152.4	135.9	117.4	107.9	108.4	112.4	117.4	124.0
70°	804.0	397.1	176.7	135.0	120.4	105.1	98.7	97.2	96.1	100.4	106.2
72.5°	407.8	234.5	145.1	115.4	103.6	91.8	86.9	83.0	80.0	82.6	87.1
75°	213.7	164.0	117.2	95.9	85.6	78.0	74.4	69.2	67.1	68.6	71.8
77.5°	151.1	128.3	94.8	75.9	69.7	61.9	62.6	57.2	55.5	56.3	59.8
80°	116.1	101.7	72.9	57.4	53.7	46.2	48.4	45.1	43.0	42.6	45.1
82.5°	79.1	76.5	51.8	40.2	37.6	32.2	35.3	34.0	31.2	29.5	30.7
85°	53.3	50.7	31.6	23.2	22.1	16.8	21.5	20.6	18.3	15.7	15.9
87.5°	9.2	17.0	9.0	5.8	5.4	1.9	4.9	4.7	4.3	2.1	1.7
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)