

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: P367373

Luminaire Tested: **PMM-SA2B-830-U-SL2-HSS**

Issue Date: 12/2/2019

Report Generated By 670245982

**Test Information**

Test Method: LM-79-08  
Report Number: P367373  
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-SA2B-830-U-SL2-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

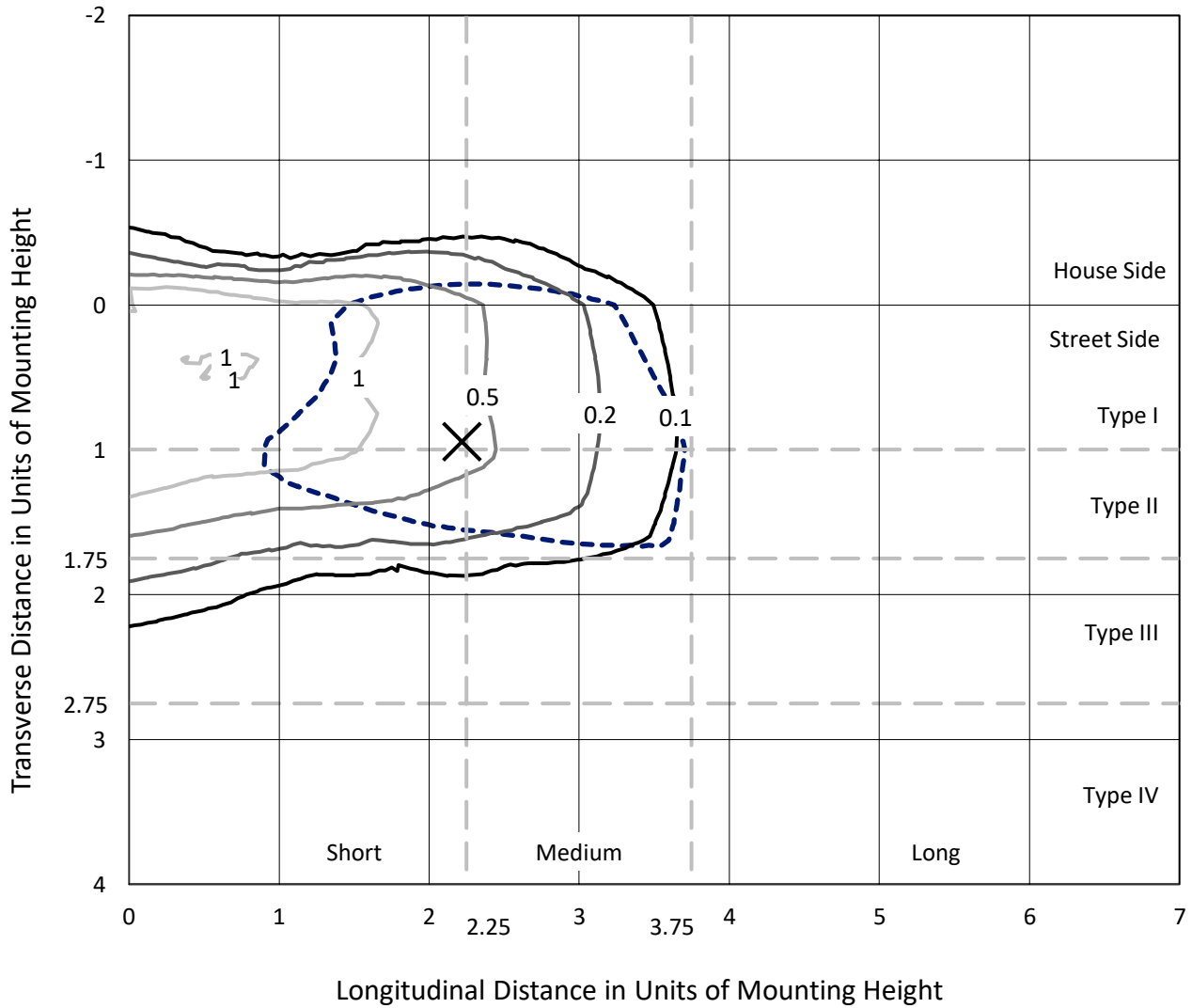
Lumens per Lamp: N/A  
Luminaire Lumens: 6487 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

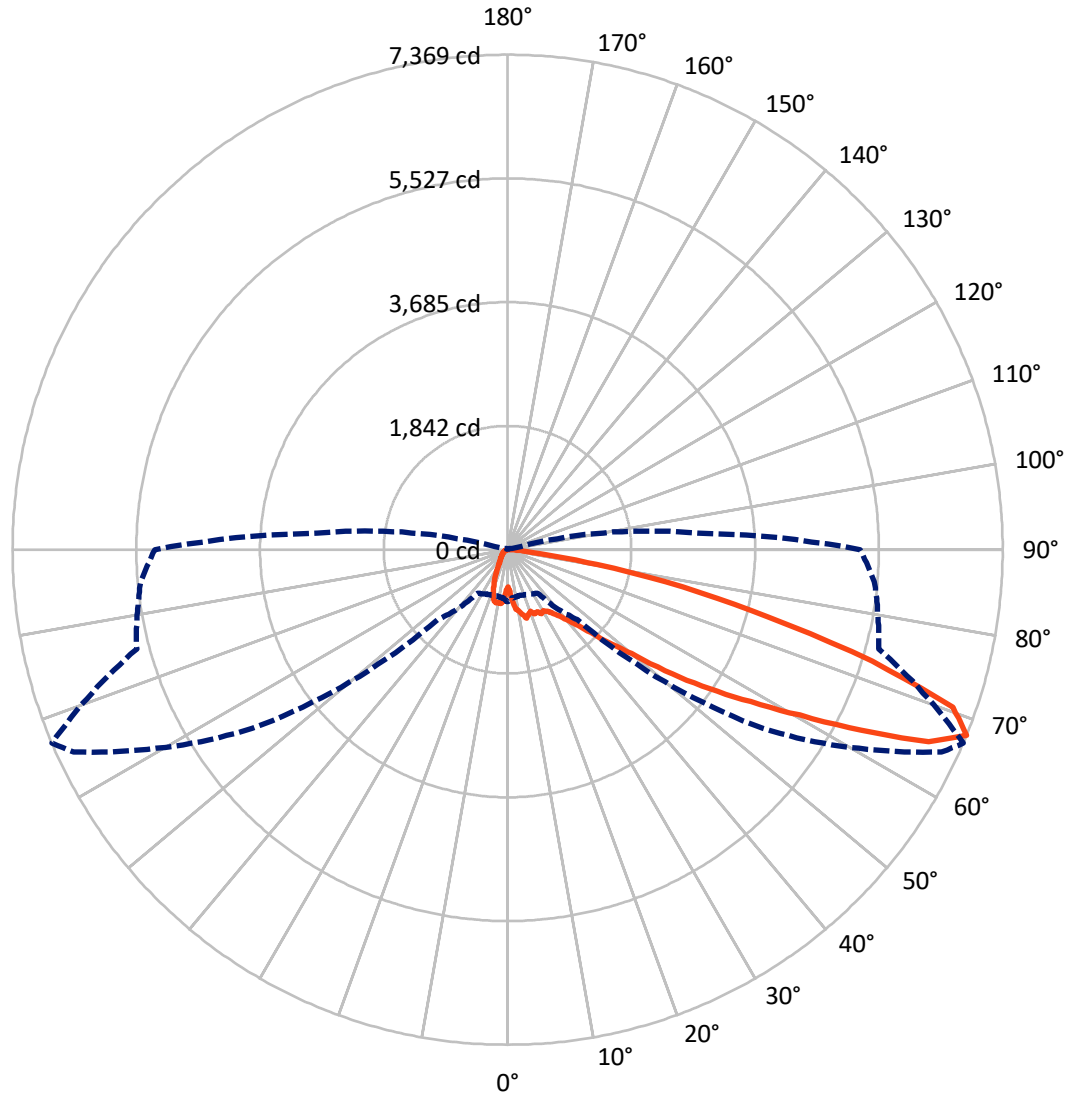
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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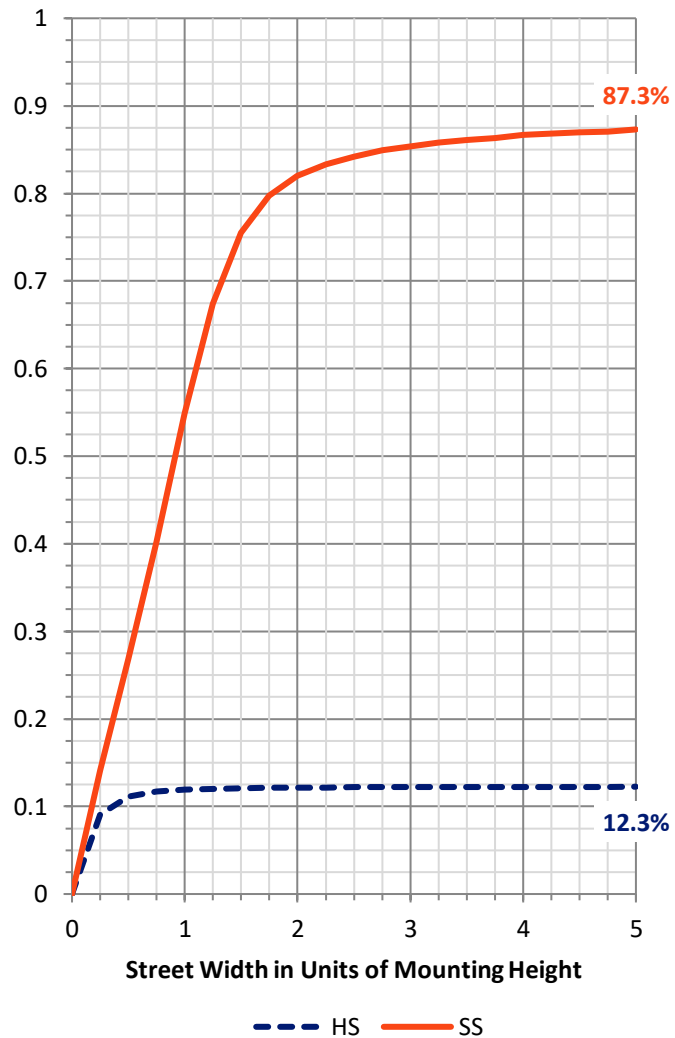
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	802.2	0.0	802.2
	% Fixture	12.4	0.0	12.4
<b>Street Side</b>	Lumens	5684.7	0.0	5684.7
	% Fixture	87.6	0.0	87.6
<b>Total</b>	Lumens	6487.0	0.0	6487.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.4	1.1
10°-20°	205.2	3.2
20°-30°	321.6	5.0
30°-40°	518.5	8.0
40°-50°	952.8	14.7
50°-60°	1609.2	24.8
60°-70°	1779.1	27.4
70°-80°	931.2	14.4
80°-90°	100.0	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°	6487.0	100.0
0°-180°	6487.0	100.0

**Coefficient of Utilization**

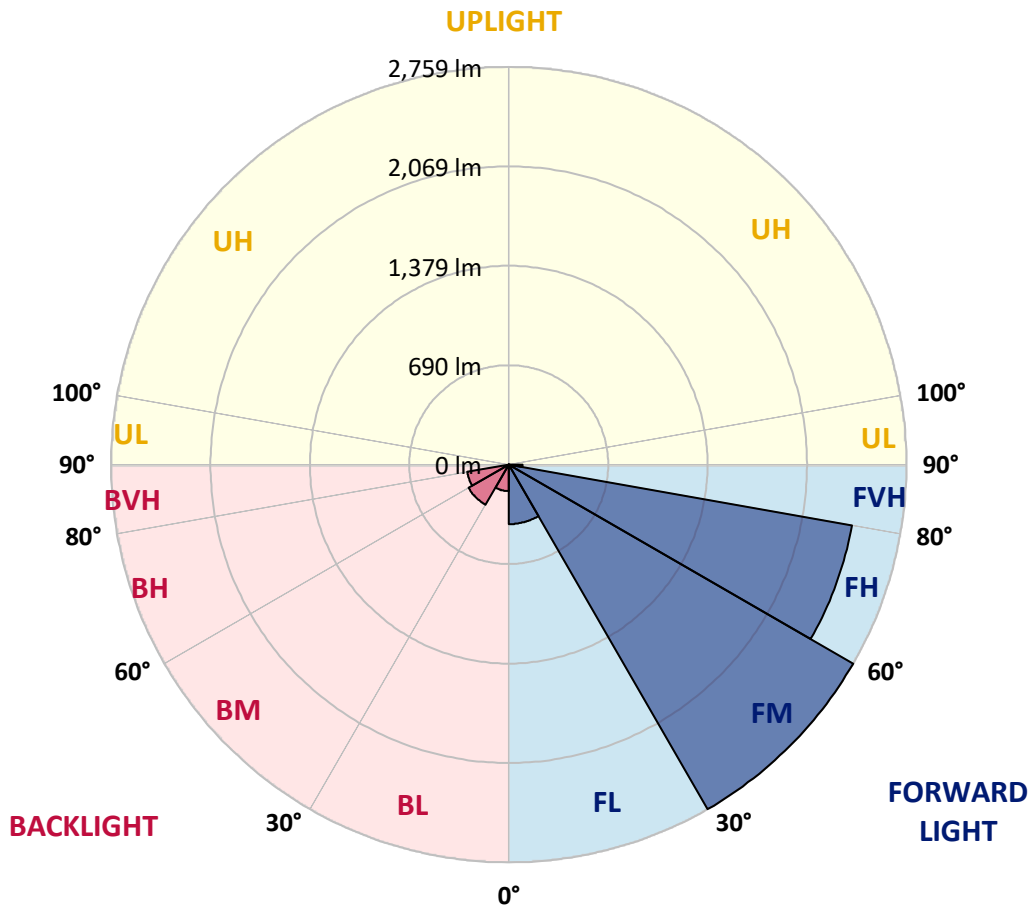


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.5	6.4			
FM (30°-60°)	2758.9	42.5			
FH (60°-80°)	2417.6	37.3			G2/5000
FVH (80°-90°)	95.7	1.5			G1/100
BL (0°-30°)	183.7	2.8	B1/500		
BM (30°-60°)	321.7	5.0	B1/1000		
BH (60°-80°)	292.6	4.5	B1/500		G1/500
BVH (80°-90°)	4.3	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°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	652.2	630.2	592.7	603.5	625.2	643.3	634.8	618.0	618.3	601.2	662.7
5°	758.8	729.2	707.5	715.1	714.1	713.4	753.9	769.4	775.9	804.2	846.0
7.5°	789.4	778.9	756.2	763.1	740.4	742.1	813.1	880.3	890.8	908.2	982.6
10°	777.6	757.2	765.4	765.4	765.7	802.6	850.3	914.5	927.3	994.5	1002.4
12.5°	764.8	765.7	798.3	792.4	837.2	903.3	919.4	991.5	985.2	1043.5	1130.0
15°	812.5	837.5	816.4	824.7	828.9	906.6	932.6	1028.3	1056.0	1129.7	1186.0
17.5°	894.4	897.7	853.9	842.1	873.0	895.1	947.4	993.5	1011.9	1205.4	1285.0
20°	909.2	930.3	885.9	817.4	882.9	913.2	949.7	971.7	979.6	1228.8	1341.0
22.5°	998.4	975.0	904.0	852.0	870.7	903.6	926.3	992.8	1040.2	1184.7	1394.6
25°	1044.1	1037.9	970.1	925.7	906.6	904.0	956.0	1006.3	1021.4	1230.4	1407.8
27.5°	1153.7	1139.6	1008.3	1002.7	939.8	884.5	956.9	1047.4	1075.7	1187.3	1457.1
30°	1302.8	1297.5	1122.8	1119.2	1019.1	919.8	1010.2	1072.8	1055.7	1209.3	1490.0
32.5°	1452.8	1495.6	1316.9	1214.9	1139.9	1049.1	995.1	1064.9	1095.5	1263.0	1550.6
35°	1634.2	1665.1	1483.1	1409.1	1242.2	1109.6	1095.5	1140.2	1153.4	1326.8	1619.4
37.5°	1951.4	1904.7	1749.7	1623.6	1536.1	1325.8	1256.1	1220.5	1251.1	1413.4	1759.9
40°	2185.7	2156.1	1965.2	1889.9	1688.5	1565.4	1383.1	1349.8	1384.1	1502.2	1857.6
42.5°	2468.4	2406.8	2227.2	2176.1	1968.8	1731.6	1546.6	1558.2	1536.8	1677.6	2029.1
45°	2724.1	2585.2	2485.1	2496.7	2386.1	2065.6	1819.4	1813.8	1796.1	1931.6	2209.4
47.5°	2896.2	2774.7	2677.3	2645.4	2632.2	2653.0	2213.7	2114.3	2101.1	2198.5	2493.4
50°	2988.6	2855.7	2735.2	2741.8	3009.0	3210.1	2620.4	2479.2	2484.2	2585.8	2881.7
52.5°	2926.4	2776.0	2649.0	2772.4	3301.2	3581.6	3293.7	2956.0	3070.6	3044.6	3402.6
55°	2639.2	2508.5	2418.3	2639.2	3333.2	3981.4	4122.6	3673.7	3648.1	3588.8	3933.7
57.5°	2155.7	2043.2	1987.6	2220.6	2984.0	4303.6	4955.2	4484.9	4266.1	4018.0	4374.7
60°	1606.2	1523.3	1465.4	1588.4	2351.2	3990.6	5500.4	5249.3	4996.0	4431.6	4770.9
62.5°	1189.6	1122.1	1060.6	1071.8	1619.0	3432.2	5709.7	6059.2	5913.7	4868.3	5144.7
65°	949.4	887.8	844.7	820.0	1002.7	2582.2	5418.5	6722.9	6890.7	5279.6	5414.5
67.5°	775.3	723.3	701.9	730.2	786.5	1471.9	4640.6	7125.7	7369.2	5716.0	5481.0
70°	630.8	588.1	585.7	662.1	724.3	897.4	3413.5	6847.6	7030.9	5790.3	5082.5
72.5°	439.6	420.9	450.8	559.1	717.7	747.3	1960.3	5666.6	5673.2	5114.1	4180.5
75°	248.8	245.8	293.2	445.9	698.9	739.8	1092.8	4004.5	4007.4	3867.9	2896.2
77.5°	136.9	128.0	170.8	301.4	600.2	722.6	704.9	2734.3	2664.2	2152.5	1322.9
80°	63.2	59.6	92.5	193.2	439.0	683.5	565.0	1502.9	1355.1	701.3	322.8
82.5°	26.0	24.7	42.5	124.1	277.4	550.5	476.2	666.7	535.1	133.3	99.7
85°	4.6	4.9	17.4	75.0	155.3	253.7	386.0	316.6	232.7	36.9	54.6
87.5°	0.0	0.0	3.6	18.1	37.5	69.4	156.6	88.5	60.9	10.9	16.1
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°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	674.9	669.3	612.7	615.4	619.3	615.7	615.0	599.2	584.8	632.5	631.8
5°	853.6	813.8	774.6	759.5	726.9	684.1	684.5	671.0	657.2	676.6	676.6
7.5°	981.0	926.0	876.3	787.8	701.6	623.6	616.7	598.3	577.2	602.5	607.5
10°	1010.6	962.9	898.7	768.7	687.1	611.1	527.5	458.7	426.8	412.0	409.4
12.5°	1101.7	1066.2	922.7	778.9	661.4	532.8	395.9	314.3	258.6	254.4	248.4
15°	1162.6	1137.6	946.4	753.6	552.8	383.0	248.8	190.9	168.5	166.5	163.5
17.5°	1257.1	1213.6	923.7	673.0	432.4	252.7	167.2	150.7	153.3	159.3	154.7
20°	1295.6	1210.7	874.3	556.1	303.7	169.5	145.1	136.2	143.1	148.7	146.1
22.5°	1335.0	1219.2	830.6	458.4	198.4	140.2	129.3	124.7	125.4	131.0	131.3
25°	1334.7	1242.9	779.9	357.0	147.8	124.7	116.8	110.9	108.6	112.5	111.6
27.5°	1399.5	1215.6	687.4	264.9	130.0	111.6	104.0	96.7	88.5	92.5	92.5
30°	1399.9	1260.0	622.9	190.2	119.1	99.4	92.8	81.6	72.1	75.4	75.7
32.5°	1437.1	1221.5	563.4	145.4	110.6	92.1	77.7	67.5	61.9	63.8	63.8
35°	1479.5	1254.4	471.9	128.3	102.0	81.9	66.5	58.2	54.0	55.6	55.6
37.5°	1619.7	1247.5	408.4	119.5	96.4	74.0	60.5	51.3	49.4	50.3	51.7
40°	1670.4	1296.5	322.2	114.2	87.2	66.8	53.3	46.4	43.8	44.4	44.8
42.5°	1799.4	1307.4	257.3	109.9	79.0	57.9	47.4	42.5	39.2	39.2	40.1
45°	1941.8	1334.7	204.7	106.3	72.1	52.0	42.8	38.8	33.9	33.2	34.6
47.5°	2148.2	1439.4	166.8	99.1	63.8	48.4	39.5	33.6	29.6	28.3	29.6
50°	2493.4	1617.1	147.4	90.2	57.9	45.4	34.9	28.6	25.7	24.0	25.0
52.5°	2980.4	1924.1	137.2	81.9	52.7	40.8	31.3	25.0	22.0	20.7	21.4
55°	3521.4	2276.2	132.3	73.7	48.0	35.9	27.3	22.0	19.4	17.8	18.1
57.5°	4021.6	2607.2	127.4	65.8	43.4	31.9	24.0	19.4	16.8	15.1	15.5
60°	4514.5	2871.5	115.5	56.6	39.2	28.6	21.1	16.8	15.1	13.2	13.2
62.5°	4950.5	3029.4	98.4	49.0	35.2	25.3	18.8	15.1	13.8	11.8	11.8
65°	5247.4	3036.7	79.3	42.1	30.9	21.7	16.5	14.2	12.8	10.5	10.2
67.5°	5251.6	2839.2	63.5	37.5	27.3	19.1	14.8	13.5	11.8	9.9	9.2
70°	4700.5	2345.6	53.0	32.9	23.7	16.8	12.8	12.8	11.5	9.5	8.6
72.5°	3760.0	1792.5	44.4	28.6	21.1	14.5	11.8	12.2	11.2	9.5	8.6
75°	2527.3	1028.0	36.9	24.4	18.4	12.2	11.5	11.8	11.5	9.5	8.2
77.5°	1163.9	327.4	28.6	20.1	15.8	10.2	11.2	11.2	10.5	8.6	7.2
80°	262.3	80.6	20.7	14.8	12.8	7.6	10.2	9.2	8.2	5.9	4.3
82.5°	95.4	24.7	12.5	9.2	7.9	3.0	6.6	6.6	5.9	4.3	2.6
85°	54.6	12.8	6.9	5.9	4.3	1.3	3.6	3.9	3.3	3.0	1.3
87.5°	17.8	3.0	3.3	3.6	3.3	0.7	1.3	1.3	1.0	0.7	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)