

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: P366758

Luminaire Tested: **PMM-SA1B-730-U-SL2**

Issue Date: 12/2/2019

Report Generated By 670245982

**Test Information**

Test Method: LM-79-08  
Report Number: P366758  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA1B-730-U-SL2  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

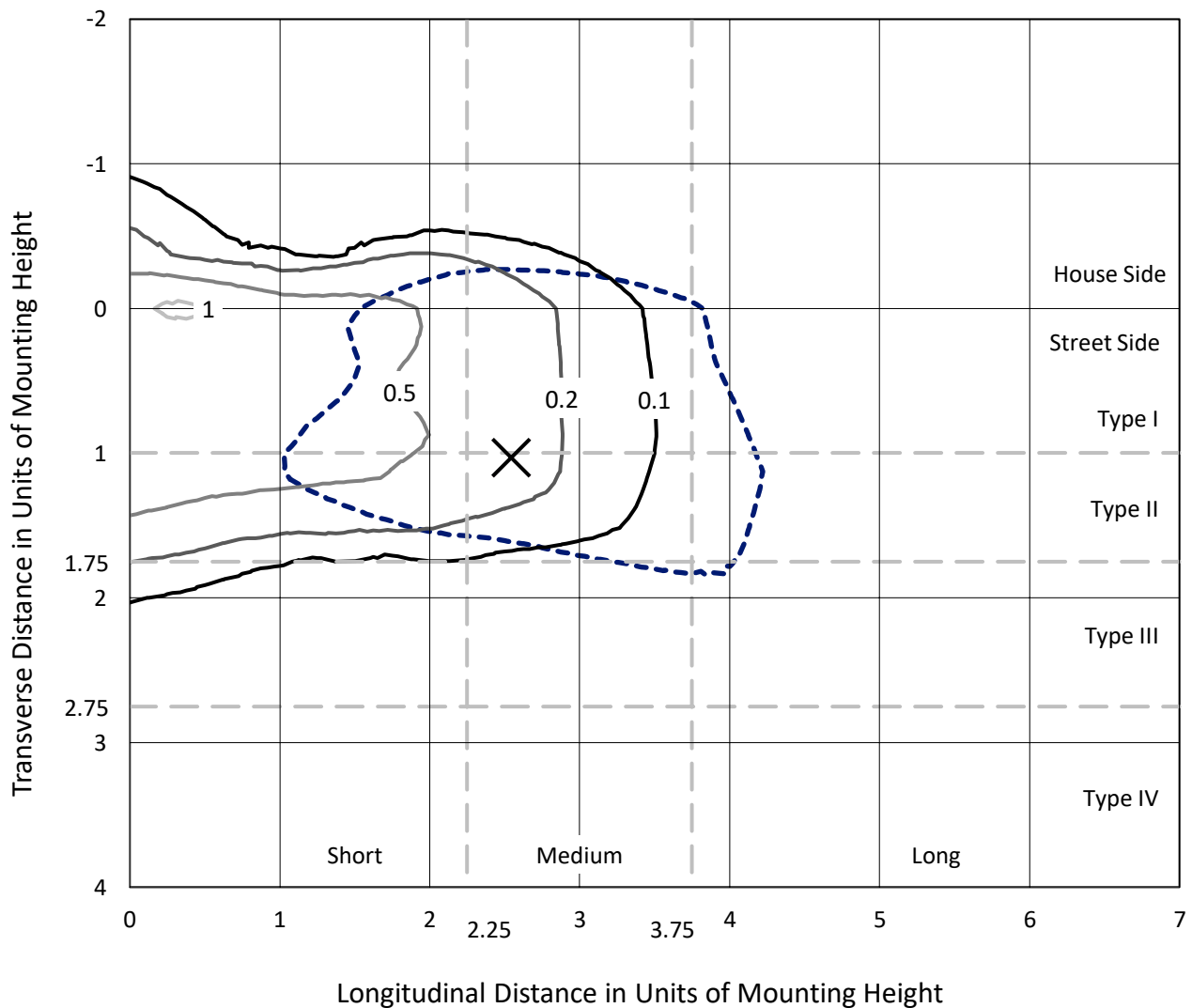
Lumens per Lamp: N/A  
Luminaire Lumens: 4582 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

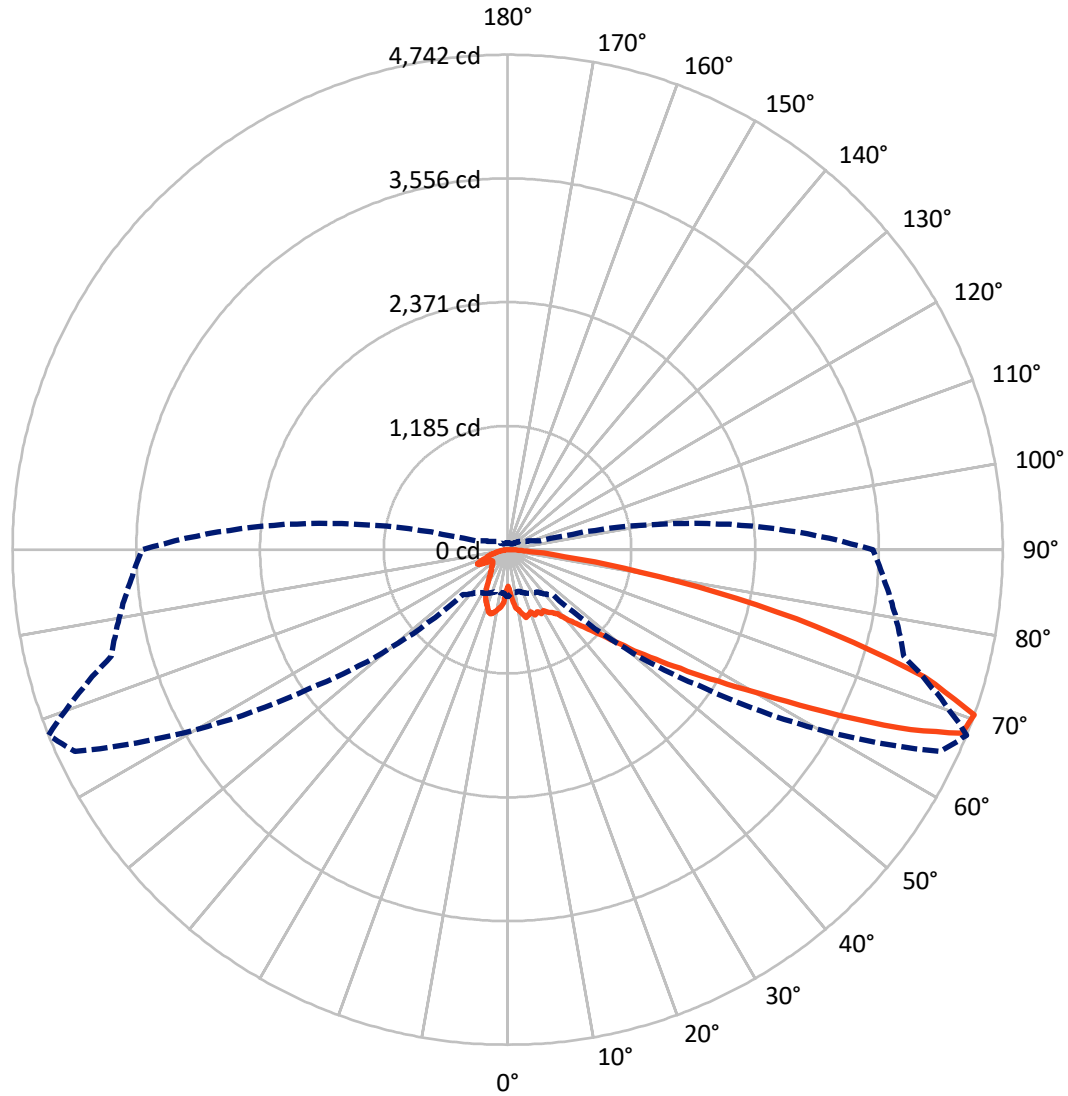
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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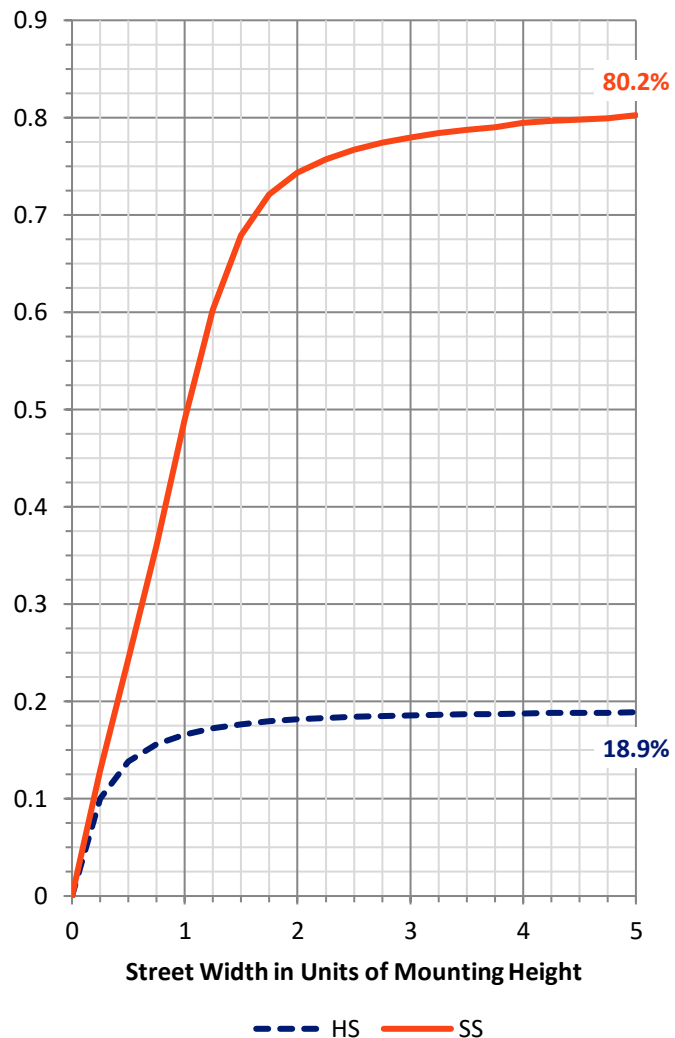
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	874.8	0.0	874.8
	% Fixture	19.1	0.0	19.1
<b>Street Side</b>	Lumens	3707.2	0.0	3707.2
	% Fixture	80.9	0.0	80.9
<b>Total</b>	Lumens	4582.0	0.0	4582.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.9	1.0
10°-20°	152.9	3.3
20°-30°	232.6	5.1
30°-40°	355.3	7.8
40°-50°	611.0	13.3
50°-60°	1011.3	22.1
60°-70°	1246.8	27.2
70°-80°	800.9	17.5
80°-90°	124.2	2.7
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°	4582.0	100.0
0°-180°	4582.0	100.0

**Coefficient of Utilization**

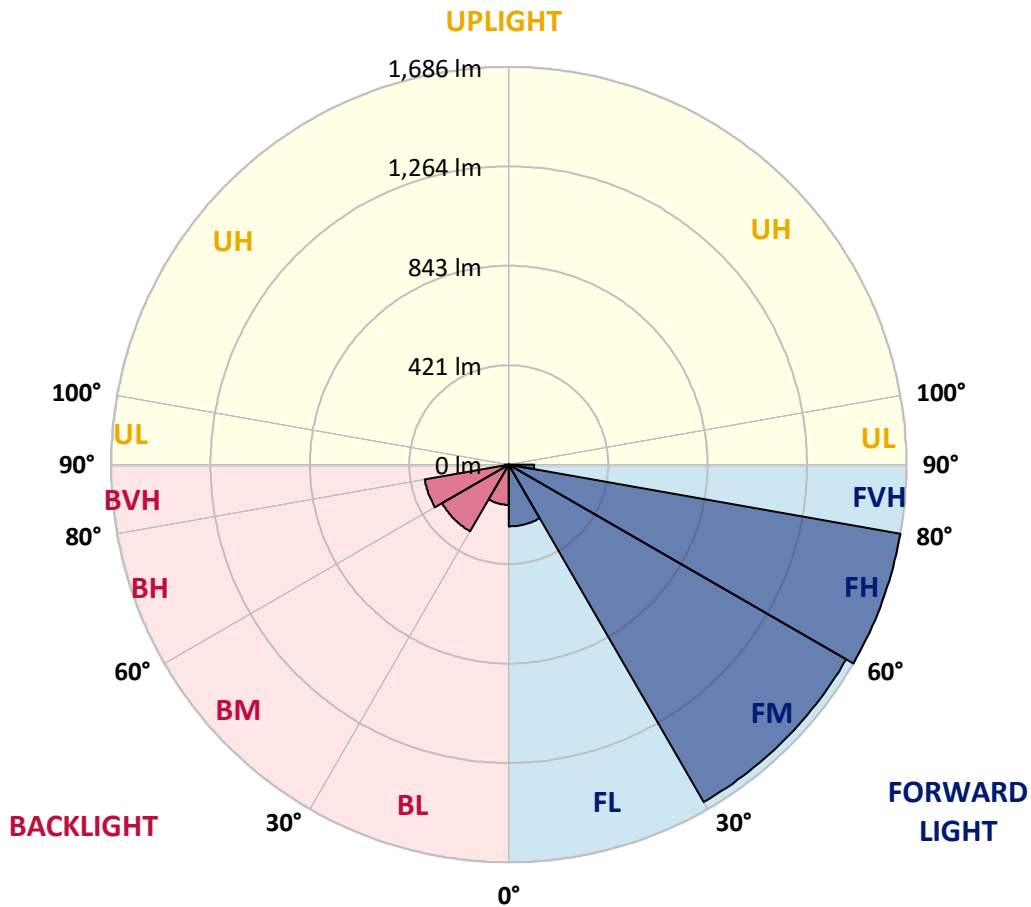


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.0	5.7			
FM (30°-60°)	1651.1	36.0			
FH (60°-80°)	1685.8	36.8			G1/1800
FVH (80°-90°)	108.3	2.4			G2/225
BL (0°-30°)	170.5	3.7	B1/500		
BM (30°-60°)	326.5	7.1	B1/1000		
BH (60°-80°)	361.9	7.9	B1/500		G1/500
BVH (80°-90°)	15.9	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3
2.5°	403.7	387.4	370.9	378.9	391.8	403.1	400.8	402.1	386.6	384.5	425.3
5°	475.6	447.6	447.0	447.4	448.5	435.5	467.3	483.8	487.5	504.3	544.4
7.5°	500.5	489.2	477.7	483.4	468.9	470.2	509.3	552.3	562.5	574.7	629.6
10°	495.3	484.6	488.0	489.0	491.7	513.4	538.5	579.7	588.3	627.5	641.7
12.5°	496.1	494.2	510.3	510.9	539.6	578.6	588.5	626.5	630.0	658.7	718.0
15°	522.4	535.6	526.6	531.4	536.9	583.5	597.9	652.4	673.1	710.1	754.6
17.5°	573.6	577.4	550.4	543.3	561.5	575.7	608.5	632.1	653.7	757.1	818.5
20°	585.5	595.8	563.6	527.0	565.5	585.3	608.1	618.8	635.7	764.0	851.1
22.5°	636.5	615.0	576.1	544.2	556.9	576.1	592.6	633.0	677.3	744.2	883.7
25°	665.4	653.0	618.3	584.1	573.4	574.0	605.8	642.0	657.4	773.2	890.2
27.5°	735.4	715.5	637.4	630.9	590.5	559.0	607.9	664.3	691.1	750.6	922.0
30°	823.1	807.9	705.5	696.9	635.1	580.3	634.8	680.8	676.9	765.3	944.1
32.5°	894.0	919.3	816.0	747.9	704.0	651.4	626.3	677.9	716.1	799.7	981.5
35°	995.3	1019.1	902.1	856.1	760.7	684.4	685.2	717.4	741.0	839.8	1023.3
37.5°	1170.5	1149.6	1055.5	982.8	921.8	807.9	773.8	762.5	781.5	888.8	1105.2
40°	1296.9	1279.3	1168.4	1127.0	1008.3	942.2	848.6	837.8	871.4	939.5	1172.1
42.5°	1446.7	1415.2	1312.1	1277.9	1153.9	1034.6	940.2	946.4	962.7	1035.0	1262.6
45°	1599.1	1522.8	1464.3	1461.7	1378.8	1214.1	1087.3	1082.3	1082.9	1175.5	1364.2
47.5°	1720.2	1651.5	1584.6	1552.7	1510.9	1524.6	1301.0	1242.5	1224.8	1317.1	1516.7
50°	1802.0	1723.0	1647.3	1639.8	1751.4	1824.9	1501.5	1439.0	1450.0	1519.6	1720.0
52.5°	1803.8	1710.0	1631.0	1683.3	1946.2	2051.3	1847.1	1672.4	1707.3	1754.7	1985.2
55°	1678.3	1581.1	1529.7	1649.0	2022.4	2320.0	2332.7	2046.4	2006.1	2023.5	2302.2
57.5°	1413.9	1315.7	1285.8	1428.7	1878.0	2579.1	2919.1	2493.2	2375.0	2302.2	2627.0
60°	1064.3	979.4	960.8	1051.8	1557.0	2503.0	3393.9	3049.3	2808.6	2613.4	2952.8
62.5°	798.1	737.2	709.2	722.2	1077.4	2255.4	3705.7	3751.9	3411.2	2953.2	3271.2
65°	648.6	599.3	574.3	557.5	670.0	1743.9	3649.3	4343.3	4114.9	3310.1	3518.9
67.5°	541.7	498.0	486.5	503.0	529.7	1011.8	3208.3	4674.1	4689.7	3662.2	3663.7
70°	449.7	417.3	413.1	459.9	495.0	610.6	2317.3	4570.2	4741.6	3926.2	3629.8
72.5°	347.5	330.0	329.5	402.9	491.7	520.5	1380.0	3948.1	4178.4	3841.9	3297.6
75°	241.1	229.0	238.2	331.2	480.4	527.9	787.6	3075.2	3247.6	3269.3	2641.6
77.5°	165.9	155.7	165.7	239.5	429.0	540.6	550.9	2223.5	2242.7	2192.3	1513.0
80°	115.4	108.3	116.0	169.5	333.9	535.0	469.1	1399.9	1284.5	978.4	484.4
82.5°	71.5	69.4	77.9	120.8	235.1	486.7	444.5	722.4	551.5	270.0	173.0
85°	37.6	34.5	45.3	78.8	147.1	382.0	416.5	329.6	212.9	95.9	69.4
87.5°	11.1	10.0	17.5	31.8	62.3	171.2	238.4	139.8	79.4	28.2	21.7
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°	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3
2.5°	428.2	426.1	397.7	401.4	407.5	409.0	408.8	398.5	387.6	418.1	417.1
5°	545.4	526.4	512.2	509.1	491.7	474.2	480.4	478.3	475.6	489.4	491.1
7.5°	629.8	603.5	587.0	544.6	504.3	469.4	480.6	484.0	477.1	502.0	509.5
10°	652.0	631.3	613.5	559.0	536.8	516.4	486.3	452.0	447.4	433.0	434.7
12.5°	709.3	706.5	645.7	597.7	568.8	528.3	463.3	421.7	386.0	387.8	377.4
15°	754.6	756.1	683.1	616.0	538.3	476.5	400.0	348.2	311.6	304.3	296.9
17.5°	815.4	812.3	686.1	594.1	495.7	405.2	311.4	260.0	253.9	258.1	251.6
20°	841.9	814.8	666.6	539.8	429.2	307.8	235.3	208.1	220.0	236.8	237.2
22.5°	865.6	819.4	656.4	496.1	340.6	223.8	188.9	183.9	197.9	220.7	222.6
25°	864.7	840.7	638.2	452.0	264.1	174.7	164.2	167.8	184.5	208.3	209.6
27.5°	908.2	824.4	590.8	394.1	198.9	149.6	152.3	159.0	166.8	189.5	193.9
30°	907.8	854.7	567.1	323.7	159.7	137.1	144.0	149.8	156.3	177.0	179.5
32.5°	929.3	835.0	552.7	251.8	143.3	134.0	135.8	141.5	150.9	164.9	166.6
35°	955.2	857.4	506.6	200.0	137.1	131.4	132.7	136.0	144.6	157.4	159.2
37.5°	1038.2	861.6	488.4	168.6	136.7	130.2	130.0	131.7	141.5	153.2	158.4
40°	1070.6	900.2	435.3	157.4	135.4	130.2	127.5	128.5	136.5	151.5	155.5
42.5°	1148.3	913.0	396.0	153.6	135.4	127.9	123.7	125.2	134.6	147.9	154.2
45°	1228.3	931.2	349.2	152.8	135.2	127.7	119.7	123.1	130.8	141.9	148.8
47.5°	1342.2	996.8	302.4	150.5	133.7	128.7	118.7	118.5	125.2	134.8	141.3
50°	1528.0	1099.2	266.2	147.7	133.9	127.9	116.8	114.1	118.5	127.0	133.3
52.5°	1786.7	1273.7	252.0	146.1	132.3	124.8	113.5	109.3	111.8	118.5	124.6
55°	2087.0	1509.4	266.0	146.1	129.3	120.0	108.9	103.9	105.3	109.9	115.8
57.5°	2437.9	1802.2	333.7	144.0	125.4	114.3	103.4	97.6	98.0	102.0	107.4
60°	2804.4	2129.4	485.4	142.3	122.7	108.0	96.8	90.9	90.3	94.2	99.0
62.5°	3171.5	2431.2	644.9	146.3	122.0	102.6	89.9	84.0	83.8	87.3	91.3
65°	3463.3	2637.6	684.6	162.6	127.0	96.5	82.8	77.3	76.9	79.8	84.2
67.5°	3606.6	2667.5	520.1	182.9	137.5	90.7	75.9	70.8	70.4	73.4	77.3
70°	3500.5	2463.1	321.0	185.1	136.9	84.0	68.8	64.4	63.7	66.9	69.8
72.5°	3108.2	2154.5	243.9	163.8	118.5	74.4	61.7	57.9	56.8	59.6	62.3
75°	2494.7	1710.6	195.4	132.1	93.4	62.7	54.7	51.0	49.7	52.4	54.7
77.5°	1453.2	962.3	142.9	103.2	70.6	51.2	46.6	43.3	41.8	44.7	46.4
80°	472.5	320.6	89.7	74.0	51.6	40.1	37.8	35.5	33.9	35.9	36.4
82.5°	169.7	119.3	49.7	45.4	34.3	28.8	28.6	27.2	25.3	26.1	26.1
85°	75.2	54.5	29.5	24.4	20.5	15.3	18.0	17.1	15.1	14.8	14.2
87.5°	21.1	18.0	10.7	8.2	6.7	2.5	5.8	5.2	4.2	3.8	2.7
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)