

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: P367407

Luminaire Tested: **PMM-SA2C-727-U-T3-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-11)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2C-727-U-T3-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7619 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

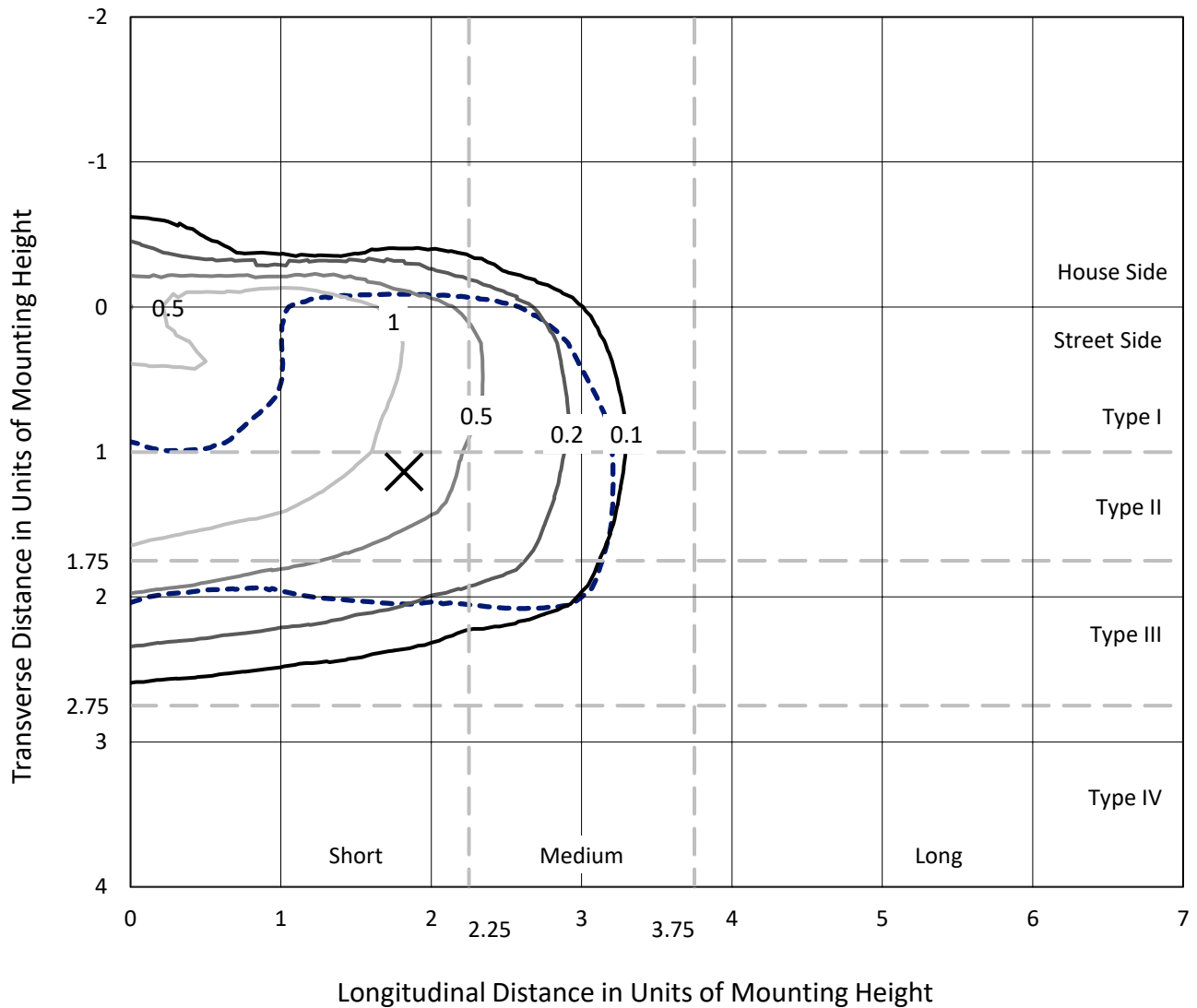
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P367407
 CATALOG NUMBER: PMM-SA2C-727-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

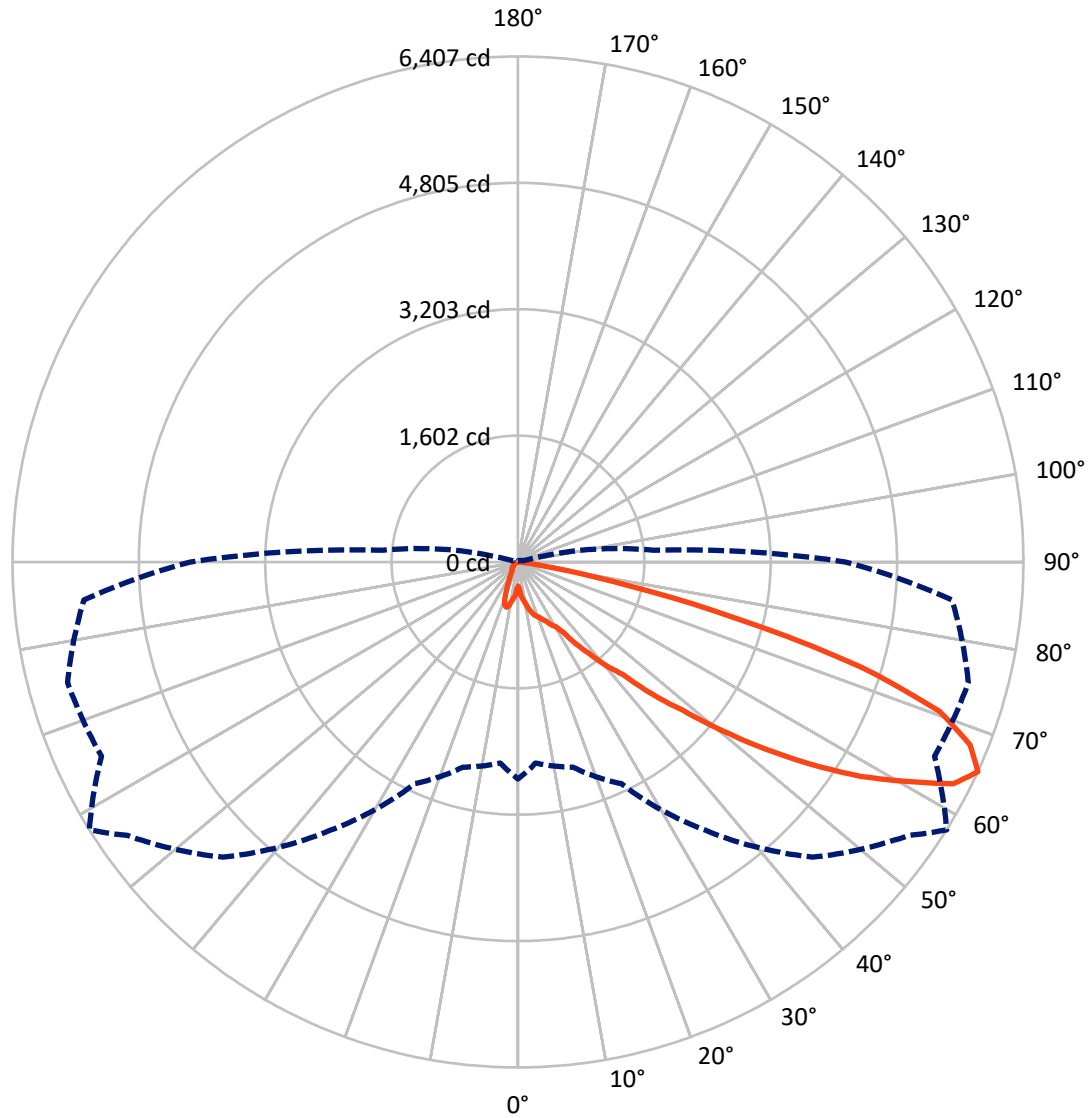
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

REPORT NUMBER: P367407
CATALOG NUMBER: PMM-SA2C-727-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P367407
 CATALOG NUMBER: PMM-SA2C-727-U-T3-HSS

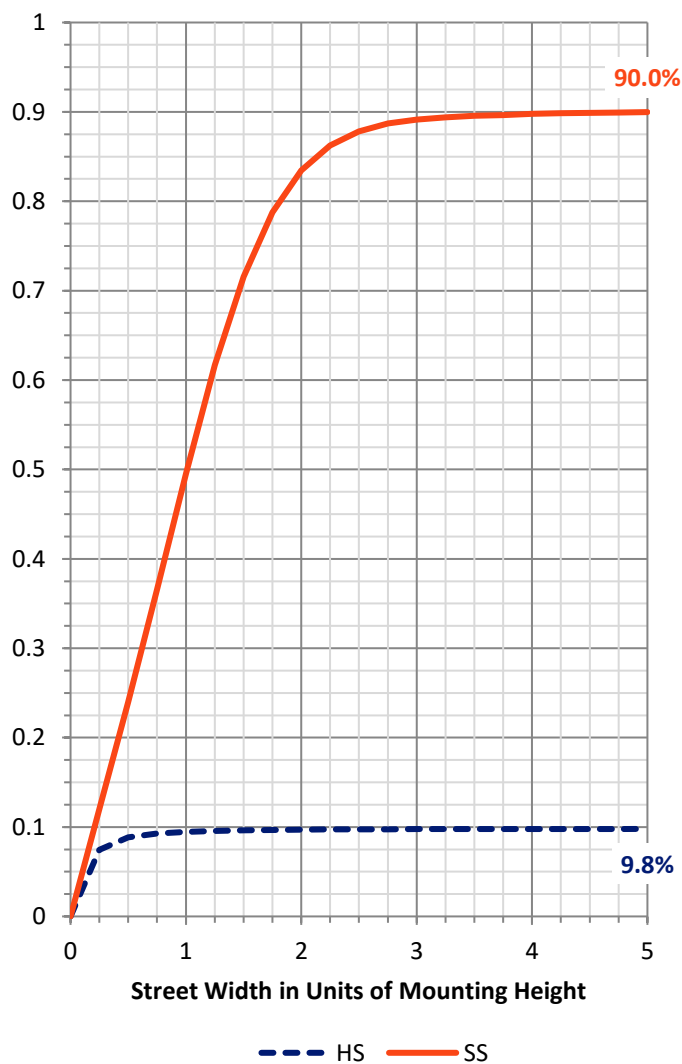
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	751.8	0.0	751.8
	% Fixture	9.9	0.0	9.9
Street Side	Lumens	6867.2	0.0	6867.2
	% Fixture	90.1	0.0	90.1
Total	Lumens	7619.0	0.0	7619.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	0.6
10°-20°	156.4	2.1
20°-30°	302.7	4.0
30°-40°	604.0	7.9
40°-50°	1234.8	16.2
50°-60°	2190.1	28.7
60°-70°	2309.0	30.3
70°-80°	748.6	9.8
80°-90°	30.6	0.4
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°	7619.0	100.0
0°-180°	7619.0	100.0

Coefficient of Utilization



REPORT NUMBER: P367407

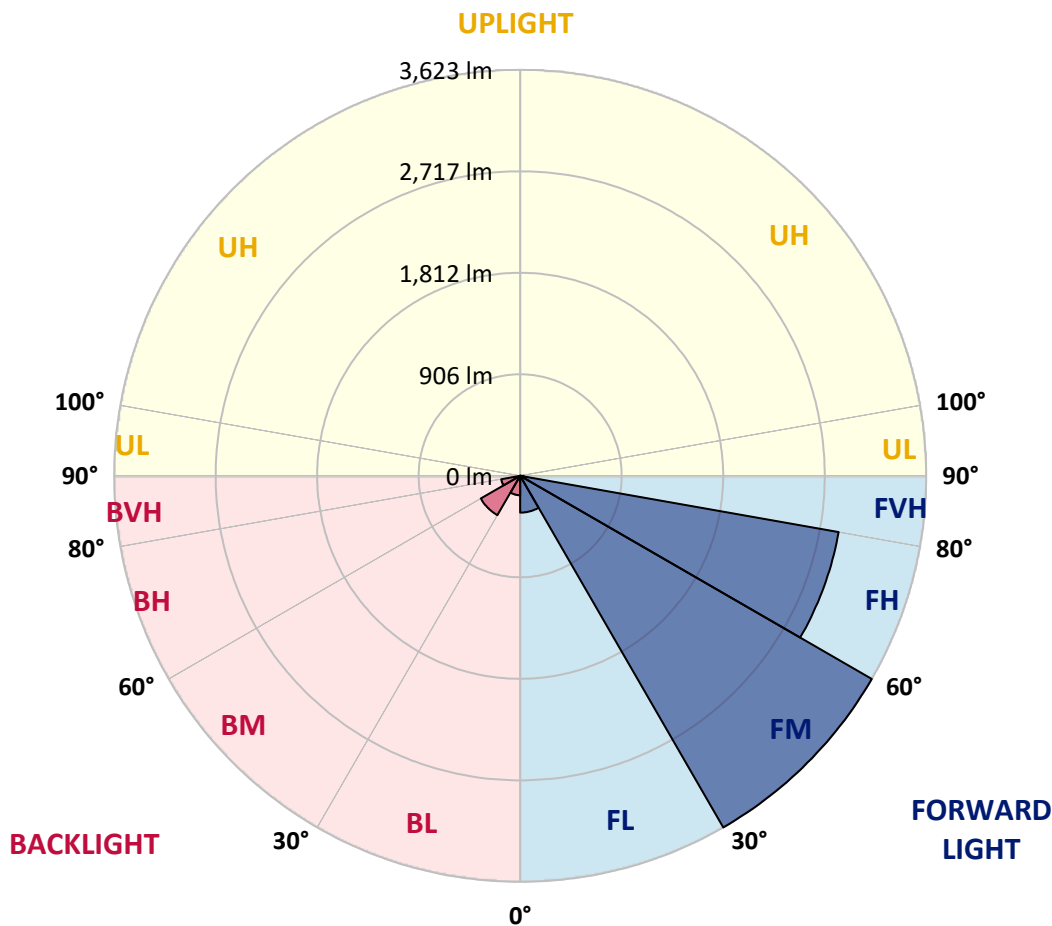
CATALOG NUMBER: PMM-SA2C-727-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.7	4.3			
FM (30°-60°)	3623.2	47.6			
FH (60°-80°)	2886.0	37.9			G2/5000
FVH (80°-90°)	29.3	0.4			G1/100
BL (0°-30°)	173.3	2.3	B1/500		
BM (30°-60°)	405.6	5.3	B1/1000		
BH (60°-80°)	171.6	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			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 III Short





REPORT NUMBER: P367407

CATALOG NUMBER: PMM-SA2C-727-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
2.5°	372.3	361.2	343.6	346.6	350.0	356.9	351.3	346.2	340.6	333.3	361.2
5°	449.6	431.1	429.4	425.5	422.5	422.1	429.0	426.8	429.8	443.6	457.7
7.5°	477.9	470.2	455.6	461.6	452.1	444.8	475.3	485.2	504.0	510.5	547.4
10°	474.9	463.7	469.7	472.7	479.2	505.8	525.1	535.8	552.1	587.3	580.0
12.5°	488.6	498.5	504.9	505.3	538.4	587.3	601.0	610.0	639.2	652.9	688.9
15°	534.5	550.8	540.5	544.8	555.5	615.1	647.3	667.1	708.2	752.8	761.9
17.5°	600.1	610.4	589.0	573.5	603.1	635.7	694.1	714.7	740.8	845.1	864.4
20°	682.9	700.5	654.2	592.8	631.9	670.5	734.0	743.8	771.7	907.7	938.2
22.5°	876.4	850.2	779.4	683.8	672.2	689.4	749.8	788.5	835.6	942.9	1013.7
25°	1067.3	1058.3	954.0	847.2	770.0	731.4	811.6	833.1	910.3	1026.5	1065.6
27.5°	1279.6	1297.6	1123.5	1058.7	907.3	781.2	850.2	903.8	995.2	1057.0	1150.9
30°	1559.7	1531.0	1326.8	1262.0	1089.2	918.0	950.2	953.6	1087.9	1157.4	1246.6
32.5°	1779.4	1797.8	1541.3	1441.8	1303.7	1128.6	1025.2	1069.9	1166.0	1320.8	1405.3
35°	2017.0	2015.3	1765.2	1631.4	1450.8	1300.6	1247.9	1280.5	1401.0	1576.5	1598.8
37.5°	2372.2	2341.8	2046.6	1850.6	1697.0	1568.8	1528.4	1485.1	1609.5	1776.8	1860.5
40°	2707.3	2602.2	2329.3	2096.8	1900.4	1848.0	1702.2	1728.8	1765.7	1986.6	2217.8
42.5°	3045.7	2980.5	2615.9	2421.1	2179.6	2055.2	1960.0	1947.5	2123.0	2384.7	2623.6
45°	3492.3	3292.8	3001.1	2829.9	2550.2	2425.4	2348.6	2394.5	2552.4	2934.6	3093.8
47.5°	3867.2	3683.6	3433.1	3173.1	2879.7	3020.0	2875.8	2803.3	3020.0	3415.1	3626.5
50°	4189.4	3984.7	3731.2	3538.6	3491.0	3625.7	3334.0	3360.6	3501.3	3965.4	4084.7
52.5°	4423.6	4208.2	3986.9	3893.8	4089.0	4156.8	4010.5	3951.7	4079.5	4434.7	4492.6
55°	4599.9	4379.4	4206.5	4334.8	4712.3	4690.0	4741.4	4540.7	4662.9	4924.2	4896.7
57.5°	4610.6	4349.4	4248.1	4454.5	4972.7	5318.0	5468.6	5127.1	5196.6	5306.8	5245.1
60°	4273.4	4013.5	4005.3	4298.3	5048.2	5480.6	5810.0	5643.6	5550.5	5632.4	5515.3
62.5°	3601.7	3419.8	3504.7	3828.6	4767.2	5390.9	5991.9	6192.2	5829.8	5848.2	5681.8
65°	2750.2	2559.3	2692.2	3100.2	4152.9	5290.5	6043.4	6406.7	5824.6	5909.5	5522.2
67.5°	1821.4	1710.7	1861.3	2310.9	3301.8	4670.2	6016.8	6181.5	5639.7	5669.7	4929.8
70°	940.3	913.3	1035.1	1389.9	2219.9	3587.9	5755.5	5665.5	5264.4	4884.3	3802.4
72.5°	301.1	302.4	419.5	634.9	1196.8	2184.3	4424.0	4547.6	4212.5	3572.9	2321.6
75°	133.4	131.3	175.5	266.4	498.9	979.3	2748.4	2881.8	2622.7	1965.6	975.9
77.5°	96.1	93.1	112.4	155.7	247.1	332.0	1288.6	1390.7	1189.1	681.2	223.5
80°	67.8	67.3	81.5	109.4	154.4	147.6	407.1	456.4	365.5	165.2	65.6
82.5°	38.2	39.5	56.6	77.2	93.9	73.8	114.5	126.1	123.1	87.9	28.7
85°	18.4	20.6	36.9	55.8	49.3	28.7	40.8	44.2	51.5	51.0	14.6
87.5°	0.0	0.0	15.0	25.3	13.3	4.3	12.4	14.2	13.7	16.3	3.4
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: P367407
 CATALOG NUMBER: PMM-SA2C-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
2.5°	366.8	364.2	331.6	334.2	341.5	338.5	341.0	335.0	328.2	356.0	355.6
5°	463.7	444.4	434.1	424.7	426.4	407.1	418.2	423.4	422.5	438.4	442.7
7.5°	548.7	522.9	502.3	482.6	452.6	425.5	442.3	453.0	460.3	487.7	498.5
10°	588.6	567.5	559.4	520.8	499.3	482.6	462.4	447.8	453.9	446.6	453.9
12.5°	676.1	661.9	630.6	591.6	565.8	531.5	456.4	393.8	355.2	355.6	353.0
15°	755.9	755.0	708.2	643.5	568.8	471.0	353.9	275.0	238.5	228.2	224.8
17.5°	860.1	847.2	761.9	666.2	531.9	364.6	241.1	188.3	184.9	190.9	188.3
20°	926.6	907.7	788.5	633.2	438.4	246.7	181.9	166.9	177.2	185.7	183.6
22.5°	993.1	964.8	808.6	592.8	311.9	180.6	164.3	161.7	168.2	178.9	180.6
25°	1029.5	1024.0	848.1	517.3	213.6	158.3	158.3	157.4	159.6	167.3	166.0
27.5°	1135.5	1060.0	818.5	403.7	165.2	145.4	147.6	146.7	139.0	146.7	147.1
30°	1201.6	1166.8	820.6	287.4	145.4	128.7	134.3	127.4	115.8	122.3	121.0
32.5°	1334.5	1247.9	814.2	193.9	132.6	122.7	114.1	104.2	95.7	98.2	96.1
35°	1489.4	1423.3	727.1	155.7	123.5	108.5	94.8	84.9	75.9	78.1	77.6
37.5°	1797.4	1587.6	655.0	140.3	117.5	99.5	83.6	69.9	65.2	66.5	67.8
40°	2082.7	1861.7	520.8	133.4	107.2	88.8	69.1	59.2	56.2	57.1	58.3
42.5°	2509.1	2079.7	393.4	126.5	96.9	75.1	57.5	51.0	48.0	49.8	50.6
45°	2921.7	2265.0	293.8	120.5	88.4	64.8	48.5	44.2	40.8	42.0	43.8
47.5°	3334.0	2470.9	219.2	111.1	78.9	55.8	41.6	38.6	36.5	36.9	39.0
50°	3702.9	2567.0	172.4	99.5	71.2	48.5	37.7	34.7	33.9	34.3	36.0
52.5°	3974.0	2567.8	145.4	89.2	63.9	42.9	35.6	32.2	31.7	32.6	34.3
55°	4219.0	2499.2	126.1	80.2	57.5	39.0	33.9	30.9	30.9	31.7	33.5
57.5°	4381.5	2373.1	109.4	70.8	51.9	36.9	32.6	29.6	29.2	28.7	30.0
60°	4460.9	2201.1	92.7	62.2	46.8	35.6	31.7	26.2	25.7	24.9	25.7
62.5°	4410.7	1985.7	77.6	53.6	41.6	33.9	27.9	22.7	21.9	20.2	21.4
65°	4154.2	1724.0	65.6	45.9	36.0	28.7	23.6	19.3	17.2	15.0	14.6
67.5°	3629.5	1400.6	54.9	39.5	30.9	23.6	19.3	17.2	13.3	11.6	11.2
70°	2720.1	956.2	45.5	33.9	25.7	20.2	16.3	15.4	12.4	11.2	10.3
72.5°	1595.8	516.1	38.2	29.6	21.9	16.7	13.3	14.2	12.4	10.3	9.4
75°	637.5	171.6	30.5	23.6	17.6	12.0	11.2	11.6	11.2	9.4	7.7
77.5°	145.4	54.1	23.6	18.4	13.7	7.7	9.0	9.9	9.9	7.7	5.6
80°	45.5	21.4	13.7	11.6	9.9	4.3	6.4	6.9	4.7	2.1	0.0
82.5°	14.6	6.0	4.7	4.7	4.3	0.9	1.3	0.9	0.0	0.0	0.0
85°	5.6	3.9	3.0	3.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	1.7	1.3	1.7	0.9	0.0	0.0	0.0	0.0	0.0	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)