

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: P367795

Luminaire Tested: **PMM-SA3B-727-U-SL4-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-21)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3B-727-U-SL4-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10168 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

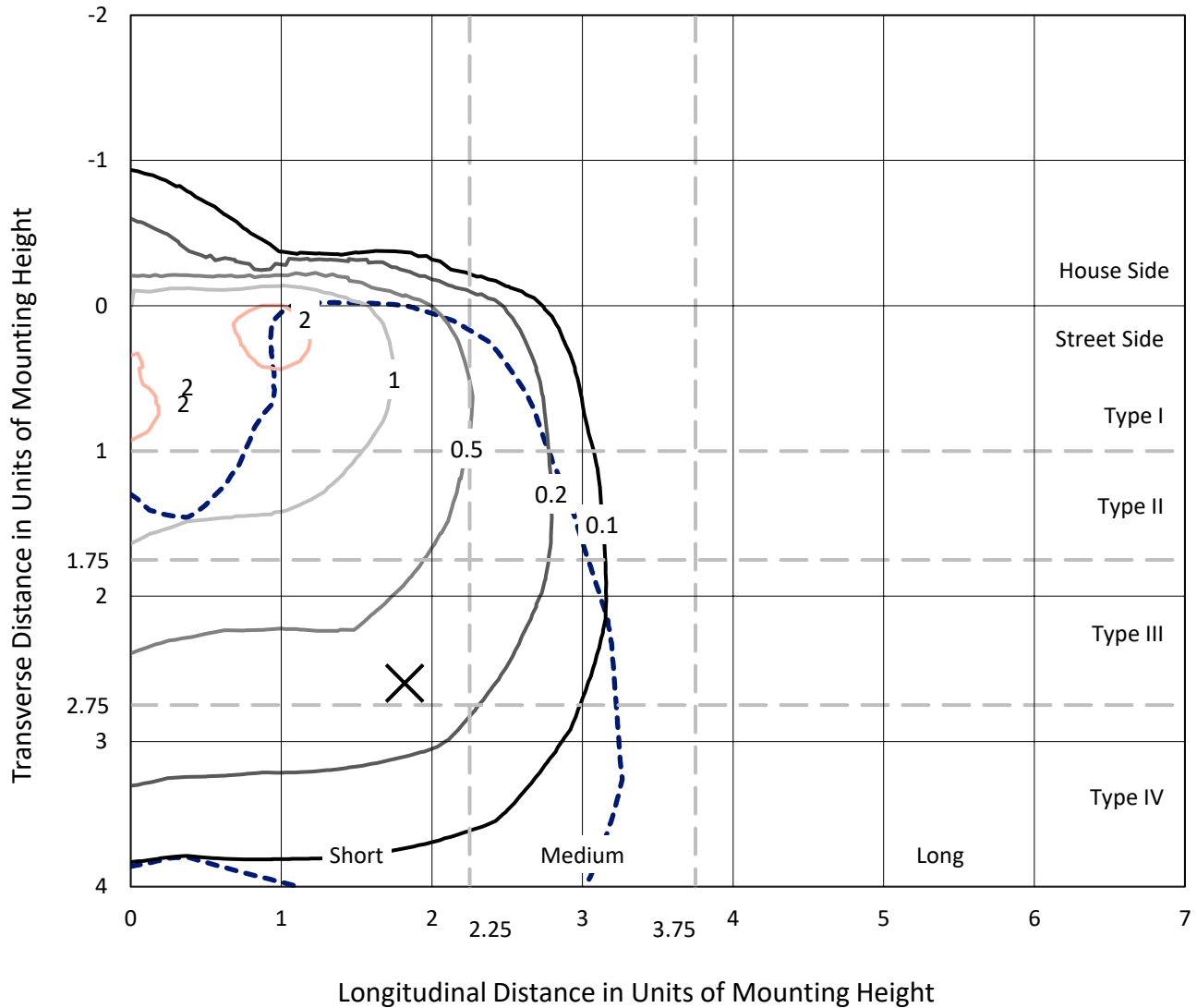
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P367795
 CATALOG NUMBER: PMM-SA3B-727-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

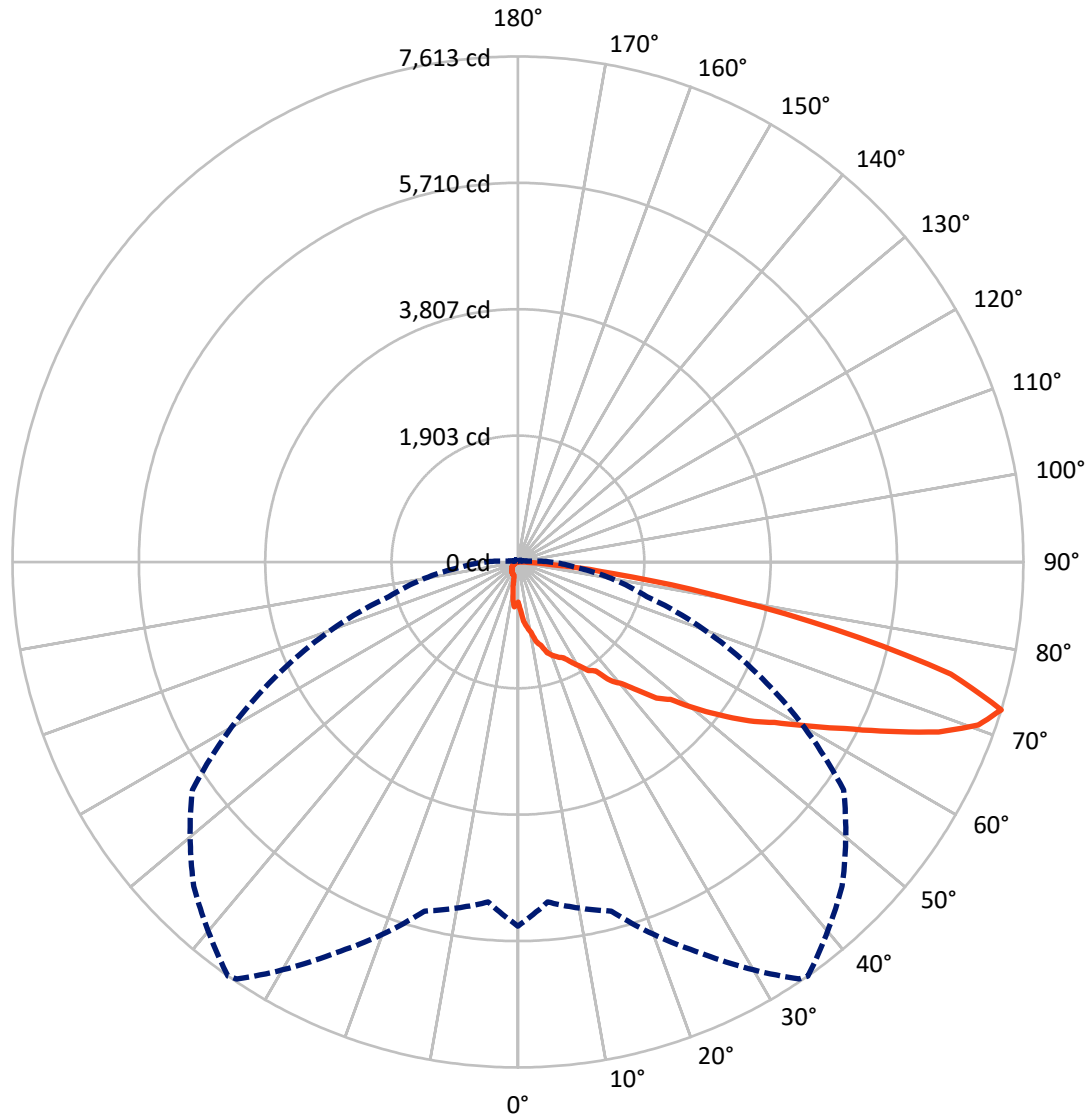
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P367795
CATALOG NUMBER: PMM-SA3B-727-U-SL4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P367795
 CATALOG NUMBER: PMM-SA3B-727-U-SL4-HSS

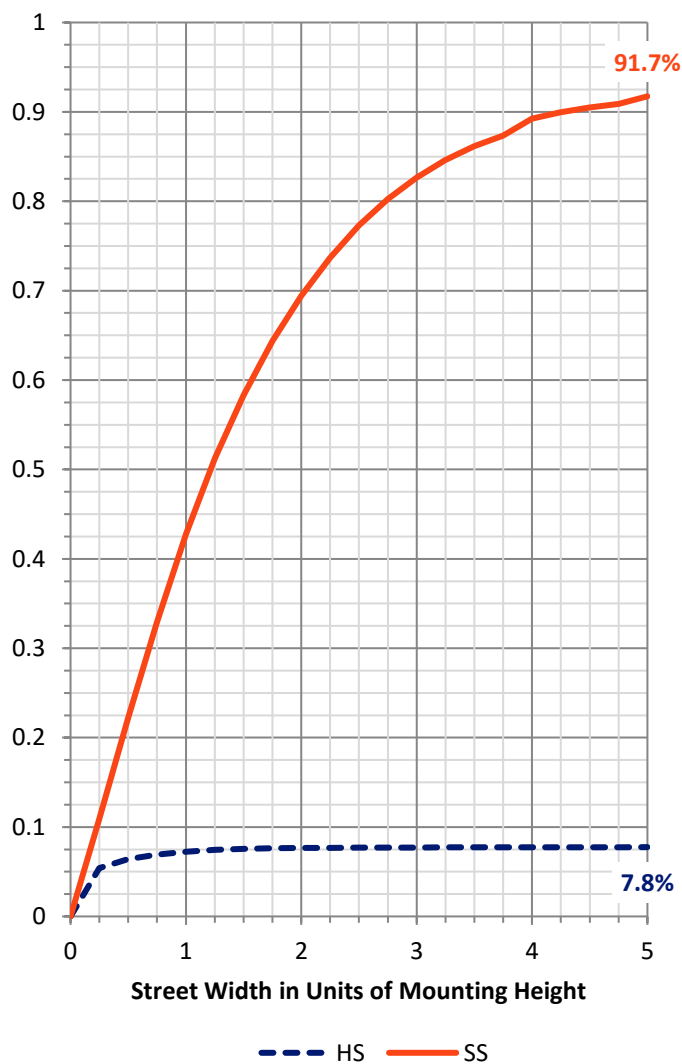
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.1	0.0	793.1
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	9374.9	0.0	9374.9
	% Fixture	92.2	0.0	92.2
Total	Lumens	10168.0	0.0	10168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	0.8
10°-20°	260.2	2.6
20°-30°	473.9	4.7
30°-40°	817.4	8.0
40°-50°	1453.0	14.3
50°-60°	2168.3	21.3
60°-70°	2770.2	27.2
70°-80°	1927.3	19.0
80°-90°	220.5	2.2
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°	10168.0	100.0
0°-180°	10168.0	100.0

Coefficient of Utilization

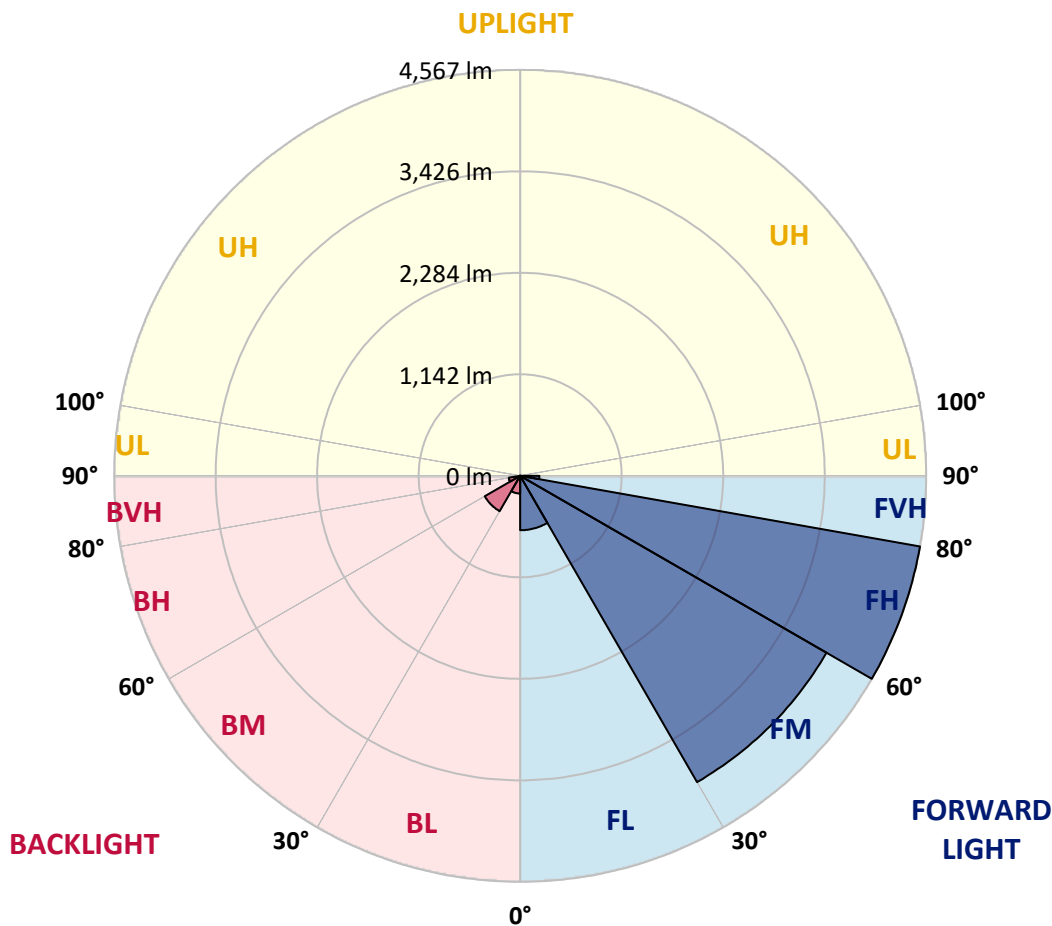


REPORT NUMBER: P367795
 CATALOG NUMBER: PMM-SA3B-727-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	611.9	6.0			
FM (30°-60°)	3978.8	39.1			
FH (60°-80°)	4567.5	44.9			G2/5000
FVH (80°-90°)	216.8	2.1			G2/225
BL (0°-30°)	199.5	2.0	B1/500		
BM (30°-60°)	459.9	4.5	B1/1000		
BH (60°-80°)	130.0	1.3	B1/500		G1/500
BVH (80°-90°)	3.7	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 IV Short





REPORT NUMBER: P367795

CATALOG NUMBER: PMM-SA3B-727-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
2.5°	770.8	740.6	691.6	695.2	717.1	721.7	728.4	711.0	695.7	668.6	721.2
5°	987.5	944.1	916.5	907.8	895.0	896.0	864.9	876.1	873.0	893.0	917.0
7.5°	1109.7	1085.7	1050.9	1041.2	994.2	989.1	950.7	1002.4	1007.5	1000.3	1039.7
10°	1158.3	1126.6	1130.7	1094.4	1070.8	1077.0	1083.1	1087.2	1093.8	1100.5	1052.4
12.5°	1186.9	1192.5	1248.2	1210.4	1233.9	1233.9	1275.3	1231.3	1232.9	1184.8	1193.0
15°	1315.7	1346.9	1321.8	1321.3	1295.8	1302.4	1350.4	1315.7	1333.6	1319.3	1264.1
17.5°	1477.2	1483.3	1435.8	1414.8	1437.8	1438.4	1417.9	1416.4	1354.0	1459.3	1392.4
20°	1528.8	1563.6	1496.1	1414.3	1509.9	1505.3	1503.8	1479.8	1376.0	1522.2	1467.0
22.5°	1669.4	1619.8	1573.8	1520.1	1557.5	1557.5	1551.8	1499.2	1458.8	1516.6	1540.1
25°	1713.4	1719.5	1659.7	1642.3	1643.3	1597.3	1593.2	1570.7	1531.9	1630.6	1583.5
27.5°	1864.7	1862.1	1718.5	1767.0	1705.2	1705.7	1592.7	1643.3	1650.0	1636.2	1688.8
30°	2013.4	2054.8	1838.1	1899.4	1834.5	1815.1	1704.7	1749.6	1761.4	1745.6	1812.0
32.5°	2203.0	2263.9	2053.3	1993.0	1893.8	1949.0	1872.8	1766.5	1824.8	1966.4	2003.7
35°	2403.9	2433.6	2209.2	2124.8	2012.9	2012.4	2009.8	2018.5	2082.9	2242.4	2274.1
37.5°	2764.8	2694.8	2491.8	2298.6	2323.7	2267.9	2229.1	2270.0	2337.0	2599.7	2735.1
40°	2966.2	2915.6	2629.8	2515.3	2391.1	2411.6	2516.9	2512.3	2690.7	2965.7	3168.6
42.5°	3161.9	3113.9	2832.8	2740.2	2580.8	2636.5	2682.5	2740.8	3106.2	3549.9	3661.3
45°	3336.2	3195.2	2996.8	3000.4	2917.6	2924.3	3005.5	3059.2	3587.7	4042.6	4120.8
47.5°	3441.5	3325.5	3135.4	3131.8	3126.7	3095.5	3478.3	3527.4	3971.6	4511.9	4519.0
50°	3589.8	3444.6	3278.0	3281.0	3399.1	3465.0	3922.0	3916.9	4342.2	4903.4	4738.3
52.5°	3774.3	3596.9	3413.4	3549.9	3732.4	3839.7	4210.8	4362.1	4740.4	5149.3	4824.2
55°	4010.4	3788.6	3611.7	3786.6	4184.7	4226.1	4493.5	4812.9	5174.3	5400.2	4851.8
57.5°	4287.5	4022.7	3879.6	4161.2	4558.4	4559.4	4904.9	5293.4	5440.6	5502.5	4820.6
60°	4586.0	4277.3	4133.1	4386.6	4970.4	5012.3	5362.4	5558.7	5711.0	5554.1	4764.9
62.5°	4848.7	4507.8	4395.8	4693.8	5422.2	5521.4	5761.1	5733.0	5906.3	5619.0	4623.3
65°	5161.5	4806.3	4732.7	5172.8	6012.1	6148.6	6208.9	6042.2	5971.7	5568.9	4254.8
67.5°	5471.3	5139.0	5137.0	5703.9	6785.4	6832.5	6769.1	6478.2	5895.5	5127.3	3579.5
70°	5689.6	5332.8	5467.2	6285.5	7488.3	7356.4	7089.6	6684.2	5345.6	3929.7	2338.5
72.5°	5484.6	5140.6	5443.7	6492.6	7575.2	7613.0	6904.0	5987.5	3971.6	2009.8	846.5
75°	4167.9	3957.3	4726.6	5760.1	6725.6	6734.3	5762.6	4223.1	1955.6	545.9	234.1
77.5°	2099.3	2032.3	2991.7	4089.2	4907.0	4892.7	3959.3	2262.3	629.2	181.5	118.1
80°	1062.7	1009.0	1273.3	2206.1	2914.0	2935.5	2260.8	1013.1	317.4	98.7	81.8
82.5°	652.7	619.5	696.7	998.3	1414.3	1448.6	857.7	641.5	196.8	58.3	74.6
85°	126.3	132.9	400.2	499.9	564.8	551.5	254.0	528.0	59.3	34.8	54.2
87.5°	0.0	2.0	92.5	163.1	163.6	145.2	57.8	117.1	8.2	9.7	6.6
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: P367795
 CATALOG NUMBER: PMM-SA3B-727-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
2.5°	729.9	722.2	658.4	651.2	652.7	642.0	638.4	615.9	610.3	645.1	651.2
5°	906.8	855.7	796.4	774.9	741.7	685.4	677.3	663.0	647.1	653.2	648.6
7.5°	1015.1	947.2	883.8	770.8	677.3	595.5	582.2	557.7	533.1	533.6	549.5
10°	1032.5	975.3	887.9	750.4	643.5	541.3	452.4	388.0	358.8	332.8	340.4
12.5°	1133.2	1080.0	919.0	744.2	594.5	435.0	318.4	255.6	228.0	218.8	217.7
15°	1214.0	1172.1	972.2	725.3	485.6	306.2	228.0	209.6	204.5	213.1	210.6
17.5°	1334.1	1258.4	966.6	647.1	370.1	232.6	210.1	207.5	213.7	218.8	220.3
20°	1386.7	1277.9	928.2	524.4	277.0	213.1	205.0	199.9	211.1	226.4	223.4
22.5°	1439.9	1311.1	883.3	429.4	222.9	203.9	199.3	195.3	203.9	218.8	222.3
25°	1463.9	1364.2	833.2	335.3	207.0	193.2	190.1	191.7	198.8	212.1	210.6
27.5°	1585.1	1370.4	737.6	264.8	200.4	185.5	185.5	189.1	189.1	207.0	205.5
30°	1660.7	1474.1	659.9	222.9	192.7	174.8	180.9	182.5	179.9	199.3	200.9
32.5°	1793.6	1502.8	584.2	204.5	180.4	173.3	172.3	173.3	175.3	194.2	194.7
35°	1998.1	1643.8	481.0	197.3	174.3	165.6	158.5	164.1	169.2	183.0	185.5
37.5°	2397.8	1788.5	392.0	191.7	171.2	158.5	155.9	154.9	164.1	179.9	185.0
40°	2721.3	2044.6	319.0	187.1	165.1	154.4	147.7	148.2	156.4	168.2	175.8
42.5°	3179.3	2229.6	270.4	179.9	156.4	145.7	138.0	142.6	146.2	158.5	163.6
45°	3561.7	2373.2	238.2	175.3	147.7	137.5	131.4	136.5	132.9	139.0	146.2
47.5°	3865.8	2498.5	214.2	164.1	142.1	132.9	125.2	123.7	117.6	119.1	125.7
50°	4032.9	2477.5	194.2	152.8	134.9	128.3	117.6	106.8	98.7	98.1	102.2
52.5°	4092.2	2365.6	177.9	143.1	126.3	118.1	105.8	91.0	82.8	80.2	83.8
55°	4108.6	2204.6	163.1	132.4	118.1	105.3	92.5	76.7	68.0	63.9	67.5
57.5°	4055.4	1956.7	148.7	122.2	108.4	93.0	79.2	62.9	54.7	49.6	52.6
60°	3924.1	1641.8	136.0	109.4	98.1	82.3	67.0	50.6	41.9	37.3	38.8
62.5°	3633.2	1287.1	122.2	97.6	87.4	72.1	56.2	39.9	31.7	27.6	28.1
65°	3190.6	959.4	106.3	86.4	77.7	62.4	45.0	30.7	24.0	20.4	19.9
67.5°	2541.9	650.2	90.5	74.6	69.0	52.6	35.8	24.0	18.9	16.4	15.3
70°	1494.1	327.6	75.1	64.4	59.3	44.0	28.1	19.4	17.4	15.3	14.3
72.5°	492.7	141.6	58.8	53.2	49.1	35.3	22.0	17.9	16.9	14.8	13.8
75°	171.7	81.8	43.4	40.9	38.8	26.6	18.4	16.4	16.4	14.3	12.8
77.5°	112.5	63.4	32.2	29.6	29.1	19.4	15.8	15.3	14.3	11.8	9.7
80°	93.5	35.8	22.5	21.0	20.4	12.3	12.8	11.2	8.7	5.1	2.0
82.5°	86.4	21.5	11.8	12.8	11.8	4.6	7.2	6.1	4.6	2.0	0.0
85°	50.6	9.7	6.6	6.6	5.1	1.0	3.6	3.6	2.0	0.5	0.0
87.5°	5.6	4.6	3.6	3.6	2.6	0.0	1.5	1.0	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)