

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: P367395

Luminaire Tested: **PMM-SA2C-727-U-SL2-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367395
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-SA2C-727-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: 8456 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

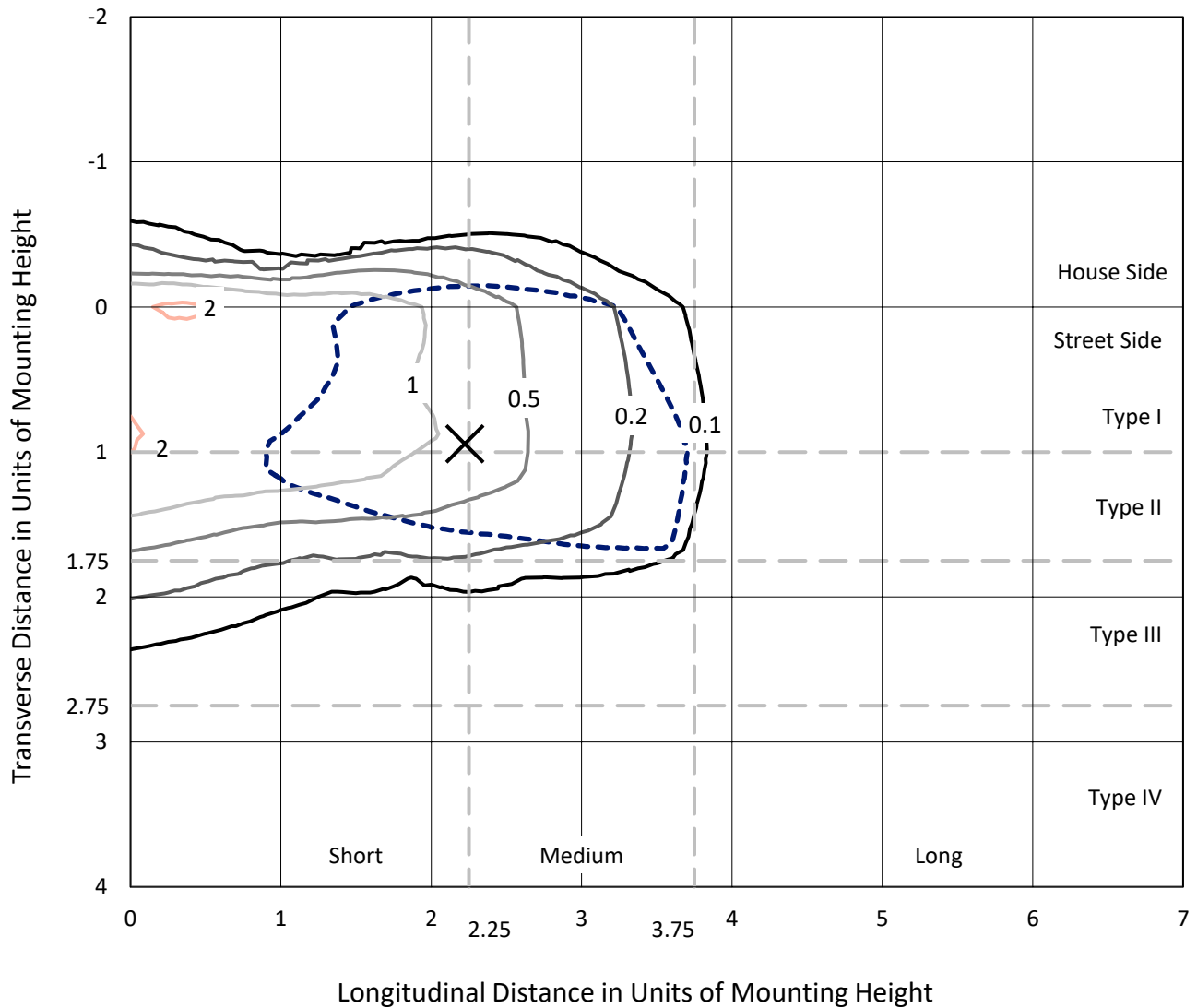
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

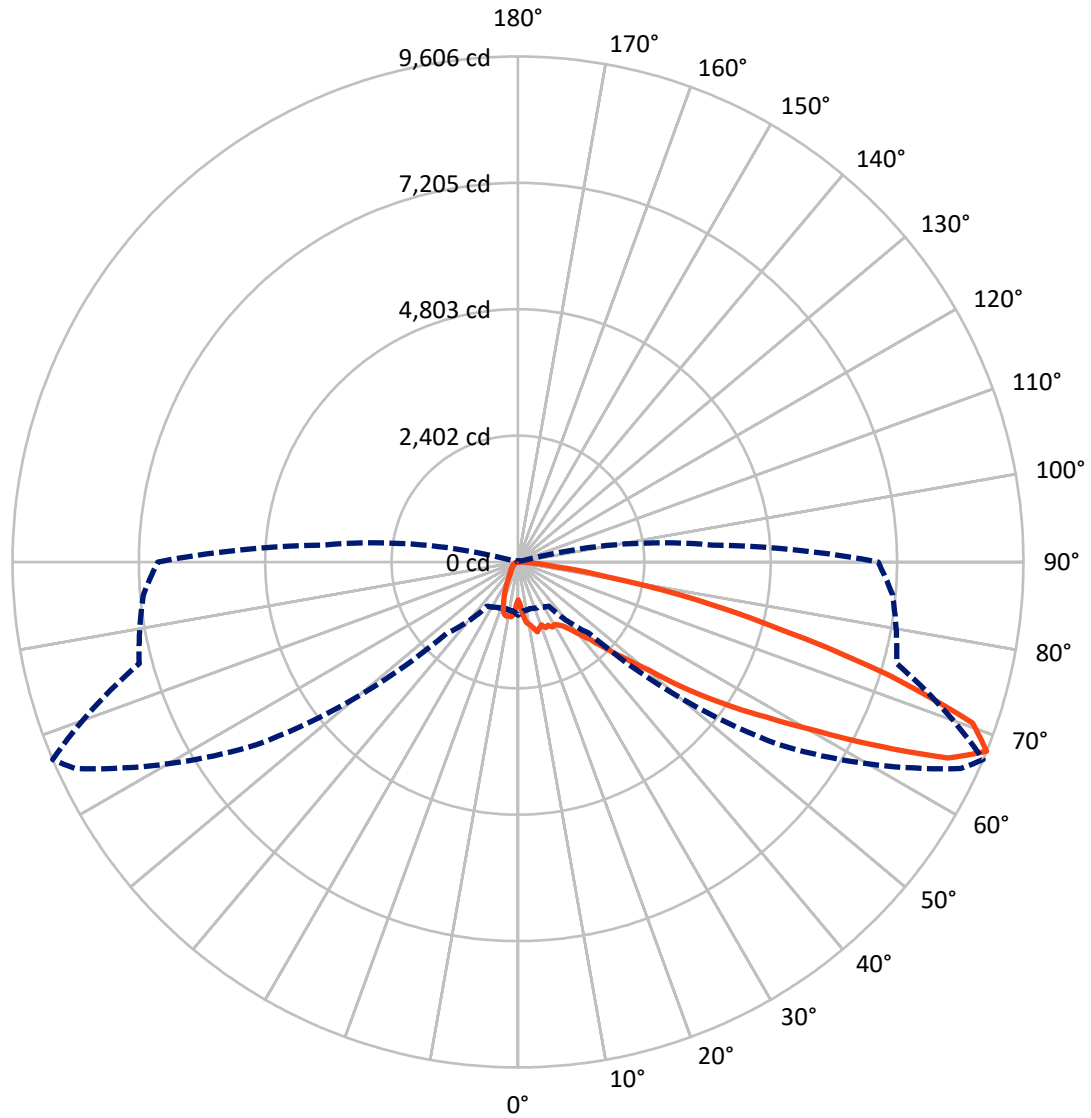
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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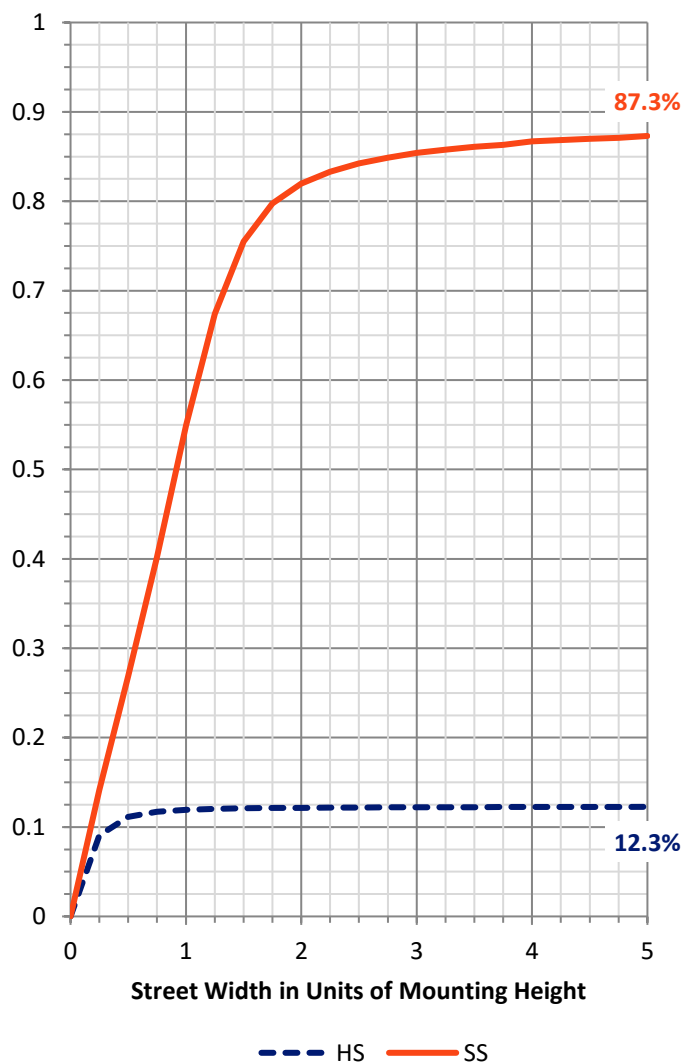
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1045.8	0.0	1045.8
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	7410.2	0.0	7410.2
	% Fixture	87.6	0.0	87.6
Total	Lumens	8456.0	0.0	8456.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	1.1
10°-20°	267.5	3.2
20°-30°	419.2	5.0
30°-40°	675.9	8.0
40°-50°	1242.1	14.7
50°-60°	2097.7	24.8
60°-70°	2319.1	27.4
70°-80°	1213.8	14.4
80°-90°	130.3	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°	8456.0	100.0
0°-180°	8456.0	100.0

Coefficient of Utilization

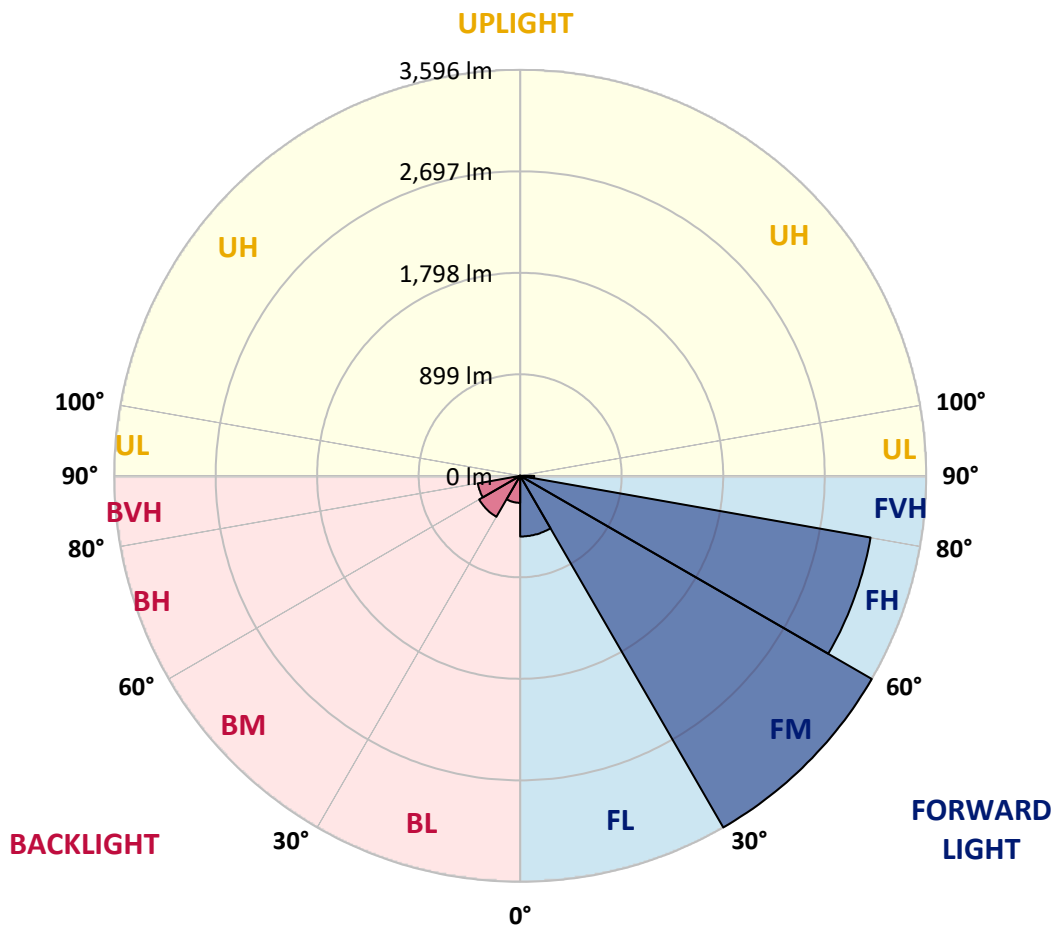


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	537.7	6.4			
FM (30°-60°)	3596.4	42.5			
FH (60°-80°)	3151.4	37.3			G2/5000
FVH (80°-90°)	124.8	1.5			G2/225
BL (0°-30°)	239.4	2.8	B1/500		
BM (30°-60°)	419.3	5.0	B1/1000		
BH (60°-80°)	381.5	4.5	B1/500		G1/500
BVH (80°-90°)	5.6	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°	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2
2.5°	850.2	821.4	772.5	786.7	815.0	838.6	827.5	805.6	806.0	783.7	863.9
5°	989.2	950.6	922.3	932.1	930.8	930.0	982.7	1002.9	1011.5	1048.4	1102.8
7.5°	1029.1	1015.3	985.7	994.7	965.1	967.3	1059.9	1147.5	1161.2	1183.9	1280.9
10°	1013.6	987.0	997.7	997.7	998.2	1046.2	1108.4	1192.1	1208.8	1296.3	1306.6
12.5°	996.9	998.2	1040.6	1032.9	1091.3	1177.5	1198.5	1292.4	1284.3	1360.2	1473.0
15°	1059.1	1091.7	1064.2	1075.0	1080.5	1181.8	1215.7	1340.5	1376.5	1472.6	1546.0
17.5°	1165.9	1170.2	1113.1	1097.7	1138.0	1166.8	1235.0	1295.0	1319.0	1571.3	1675.1
20°	1185.2	1212.7	1154.7	1065.5	1150.9	1190.3	1238.0	1266.7	1277.0	1601.7	1748.0
22.5°	1301.4	1271.0	1178.3	1110.6	1135.0	1177.9	1207.5	1294.2	1355.9	1544.2	1817.9
25°	1361.1	1352.9	1264.6	1206.6	1181.8	1178.3	1246.1	1311.7	1331.5	1603.9	1835.1
27.5°	1503.9	1485.5	1314.3	1307.0	1225.1	1153.0	1247.4	1365.4	1402.3	1547.7	1899.4
30°	1698.2	1691.4	1463.6	1458.9	1328.5	1198.9	1316.9	1398.4	1376.1	1576.4	1942.3
32.5°	1893.8	1949.6	1716.7	1583.7	1485.9	1367.5	1297.2	1388.1	1428.0	1646.3	2021.2
35°	2130.2	2170.5	1933.3	1836.8	1619.3	1446.4	1428.0	1486.3	1503.5	1729.5	2110.9
37.5°	2543.7	2482.8	2280.7	2116.5	2002.4	1728.3	1637.3	1591.0	1630.9	1842.4	2294.0
40°	2849.1	2810.5	2561.7	2463.5	2201.0	2040.5	1802.9	1759.6	1804.2	1958.2	2421.4
42.5°	3217.6	3137.4	2903.2	2836.7	2566.4	2257.2	2016.1	2031.1	2003.2	2186.8	2644.9
45°	3550.9	3369.9	3239.5	3254.5	3110.3	2692.5	2371.7	2364.4	2341.2	2518.0	2880.0
47.5°	3775.2	3616.9	3490.0	3448.4	3431.2	3458.2	2885.6	2756.0	2738.9	2865.8	3250.2
50°	3895.8	3722.5	3565.5	3574.0	3922.4	4184.4	3415.8	3231.7	3238.2	3370.7	3756.4
52.5°	3814.7	3618.7	3453.1	3613.9	4303.3	4668.7	4293.4	3853.3	4002.6	3968.7	4435.4
55°	3440.2	3269.9	3152.4	3440.2	4344.9	5189.9	5373.9	4788.8	4755.4	4678.2	5127.7
57.5°	2810.1	2663.4	2590.9	2894.6	3889.8	5609.9	6459.2	5846.2	5561.0	5237.5	5702.5
60°	2093.7	1985.6	1910.1	2070.6	3064.9	5201.9	7170.0	6842.7	6512.4	5776.7	6219.0
62.5°	1550.7	1462.7	1382.5	1397.1	2110.5	4474.0	7442.8	7898.3	7708.7	6345.9	6706.3
65°	1237.5	1157.3	1101.1	1069.0	1307.0	3366.0	7063.2	8763.5	8982.3	6882.1	7058.0
67.5°	1010.6	942.8	915.0	951.8	1025.2	1918.7	6049.1	9288.6	9606.0	7450.9	7144.7
70°	822.3	766.5	763.5	863.1	944.1	1169.8	4449.5	8926.1	9165.0	7547.9	6625.2
72.5°	573.1	548.6	587.7	728.8	935.5	974.2	2555.3	7386.6	7395.2	6666.4	5449.4
75°	324.3	320.4	382.2	581.2	911.1	964.3	1424.6	5219.9	5223.8	5041.9	3775.2
77.5°	178.4	166.9	222.6	392.9	782.4	942.0	918.8	3564.2	3472.8	2805.8	1724.4
80°	82.4	77.6	120.5	251.8	572.2	890.9	736.5	1959.0	1766.4	914.1	420.8
82.5°	33.9	32.2	55.3	161.7	361.6	717.6	620.7	869.1	697.5	173.7	130.0
85°	6.0	6.4	22.7	97.8	202.5	330.7	503.2	412.7	303.3	48.0	71.2
87.5°	0.0	0.0	4.7	23.6	48.9	90.5	204.2	115.4	79.4	14.2	21.0
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°	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2
2.5°	879.8	872.5	798.7	802.1	807.3	802.6	801.7	781.1	762.3	824.4	823.6
5°	1112.7	1060.8	1009.8	990.0	947.6	891.8	892.2	874.6	856.6	881.9	881.9
7.5°	1278.7	1207.1	1142.3	1026.9	914.5	812.9	803.9	779.8	752.4	785.4	791.8
10°	1317.3	1255.1	1171.5	1002.0	895.7	796.6	687.6	598.0	556.4	537.1	533.6
12.5°	1436.1	1389.8	1202.8	1015.3	862.2	694.5	516.0	409.7	337.2	331.6	323.9
15°	1515.5	1482.9	1233.7	982.3	720.6	499.3	324.3	248.8	219.6	217.1	213.2
17.5°	1638.6	1582.0	1204.1	877.2	563.6	329.4	217.9	196.5	199.9	207.6	201.6
20°	1688.8	1578.1	1139.7	724.9	395.9	220.9	189.2	177.6	186.6	193.9	190.5
22.5°	1740.3	1589.3	1082.7	597.5	258.7	182.7	168.6	162.6	163.4	170.7	171.2
25°	1739.8	1620.2	1016.6	465.4	192.6	162.6	152.3	144.6	141.6	146.7	145.4
27.5°	1824.3	1584.6	896.1	345.3	169.4	145.4	135.5	126.1	115.4	120.5	120.5
30°	1824.8	1642.5	812.0	247.9	155.3	129.5	121.0	106.4	93.9	98.2	98.7
32.5°	1873.2	1592.3	734.4	189.6	144.1	120.1	101.2	87.9	80.6	83.2	83.2
35°	1928.6	1635.2	615.1	167.3	133.0	106.8	86.6	75.9	70.3	72.5	72.5
37.5°	2111.3	1626.2	532.3	155.7	125.7	96.5	78.9	66.9	64.3	65.6	67.3
40°	2177.4	1690.1	419.9	148.8	113.7	87.1	69.5	60.5	57.1	57.9	58.3
42.5°	2345.5	1704.2	335.4	143.3	102.9	75.5	61.8	55.3	51.0	51.0	52.3
45°	2531.3	1739.8	266.8	138.6	93.9	67.8	55.8	50.6	44.2	43.3	45.0
47.5°	2800.2	1876.2	217.5	129.1	83.2	63.1	51.5	43.8	38.6	36.9	38.6
50°	3250.2	2107.9	192.2	117.5	75.5	59.2	45.5	37.3	33.5	31.3	32.6
52.5°	3885.0	2508.1	178.9	106.8	68.6	53.2	40.8	32.6	28.7	27.0	27.9
55°	4590.2	2967.1	172.4	96.1	62.6	46.8	35.6	28.7	25.3	23.2	23.6
57.5°	5242.2	3398.6	166.0	85.8	56.6	41.6	31.3	25.3	21.9	19.7	20.2
60°	5884.8	3743.1	150.6	73.8	51.0	37.3	27.5	21.9	19.7	17.2	17.2
62.5°	6453.2	3949.0	128.3	63.9	45.9	33.0	24.5	19.7	18.0	15.4	15.4
65°	6840.1	3958.4	103.4	54.9	40.3	28.3	21.4	18.4	16.7	13.7	13.3
67.5°	6845.7	3701.0	82.8	48.9	35.6	24.9	19.3	17.6	15.4	12.9	12.0
70°	6127.2	3057.6	69.1	42.9	30.9	21.9	16.7	16.7	15.0	12.4	11.2
72.5°	4901.2	2336.5	57.9	37.3	27.5	18.9	15.4	15.9	14.6	12.4	11.2
75°	3294.4	1340.1	48.0	31.7	24.0	15.9	15.0	15.4	15.0	12.4	10.7
77.5°	1517.2	426.8	37.3	26.2	20.6	13.3	14.6	14.6	13.7	11.2	9.4
80°	341.9	105.1	27.0	19.3	16.7	9.9	13.3	12.0	10.7	7.7	5.6
82.5°	124.4	32.2	16.3	12.0	10.3	3.9	8.6	8.6	7.7	5.6	3.4
85°	71.2	16.7	9.0	7.7	5.6	1.7	4.7	5.1	4.3	3.9	1.7
87.5°	23.2	3.9	4.3	4.7	4.3	0.9	1.7	1.7	1.3	0.9	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)