

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: P367398

Luminaire Tested: **PMM-SA2C-727-U-SL3**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-18)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2C-727-U-SL3
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10123 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

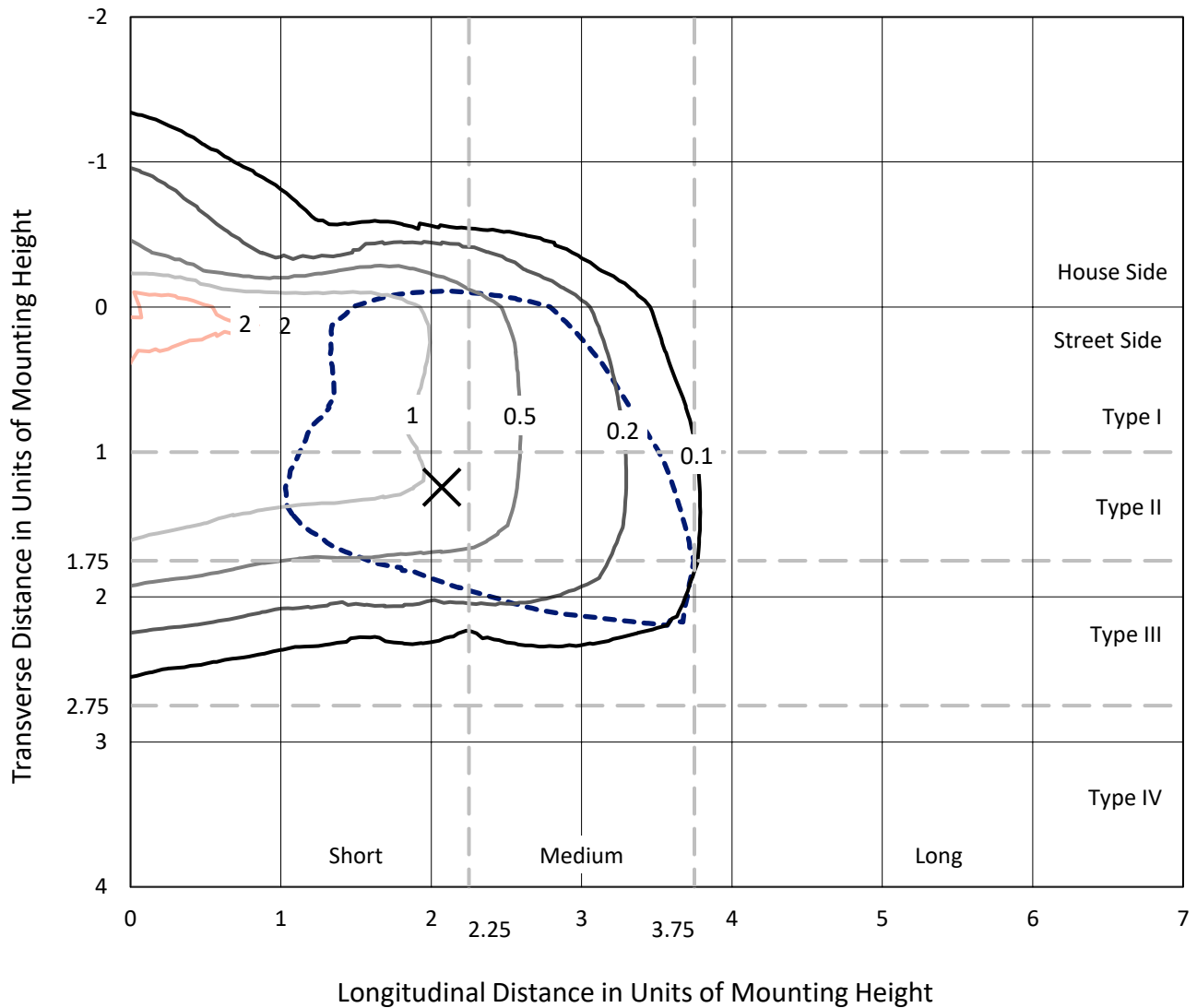
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

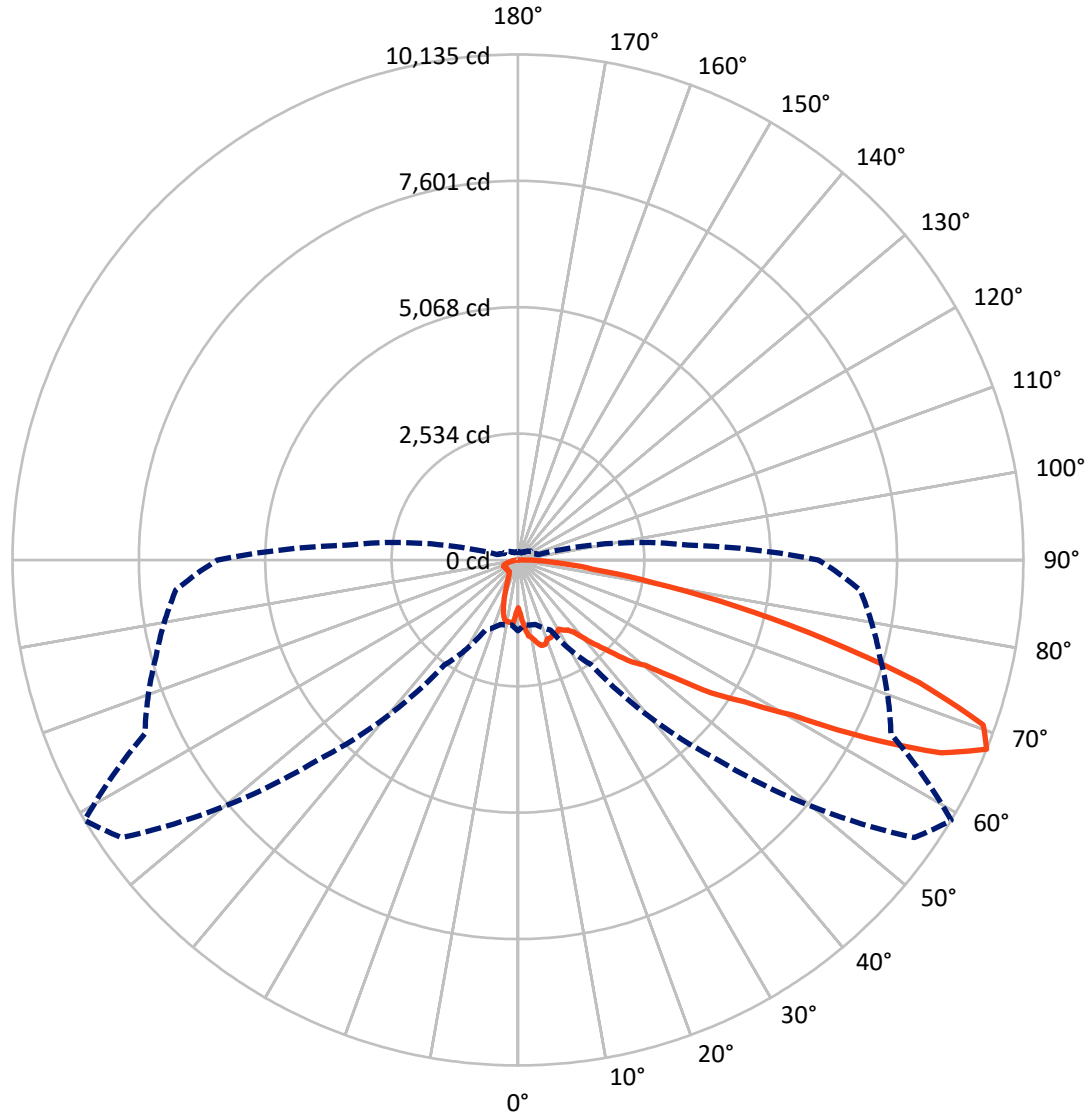
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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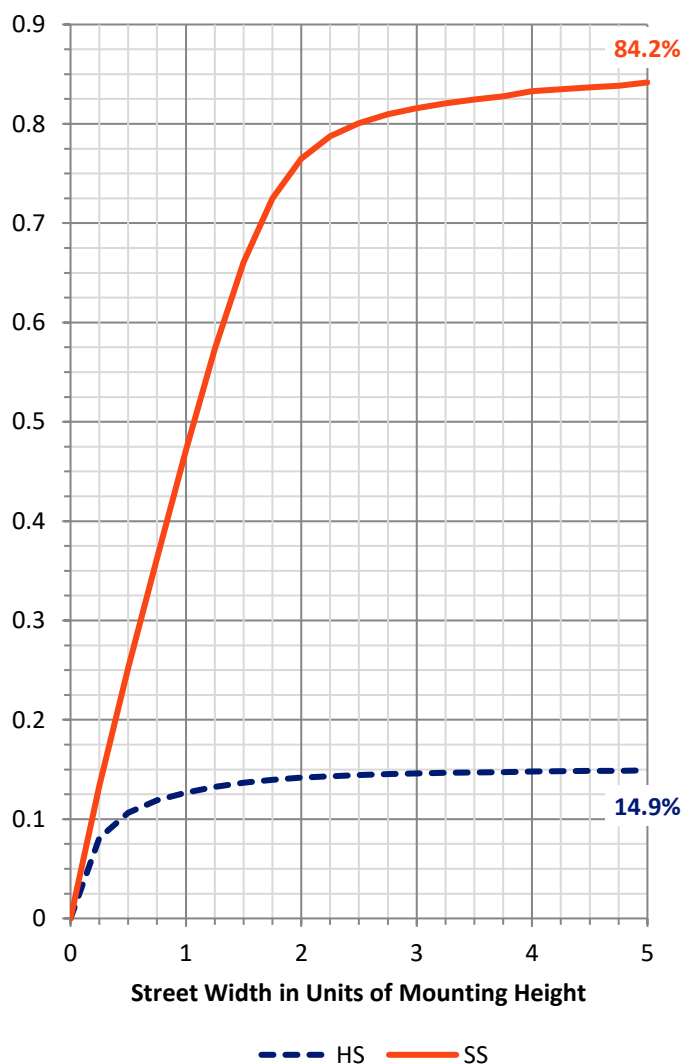
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1523.7	0.0	1523.7
	% Fixture	15.1	0.0	15.1
Street Side	Lumens	8599.3	0.0	8599.3
	% Fixture	84.9	0.0	84.9
Total	Lumens	10123.0	0.0	10123.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	1.2
10°-20°	370.2	3.7
20°-30°	528.7	5.2
30°-40°	779.1	7.7
40°-50°	1316.3	13.0
50°-60°	2290.6	22.6
60°-70°	2918.9	28.8
70°-80°	1545.6	15.3
80°-90°	248.6	2.5
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°	10123.0	100.0
0°-180°	10123.0	100.0

Coefficient of Utilization

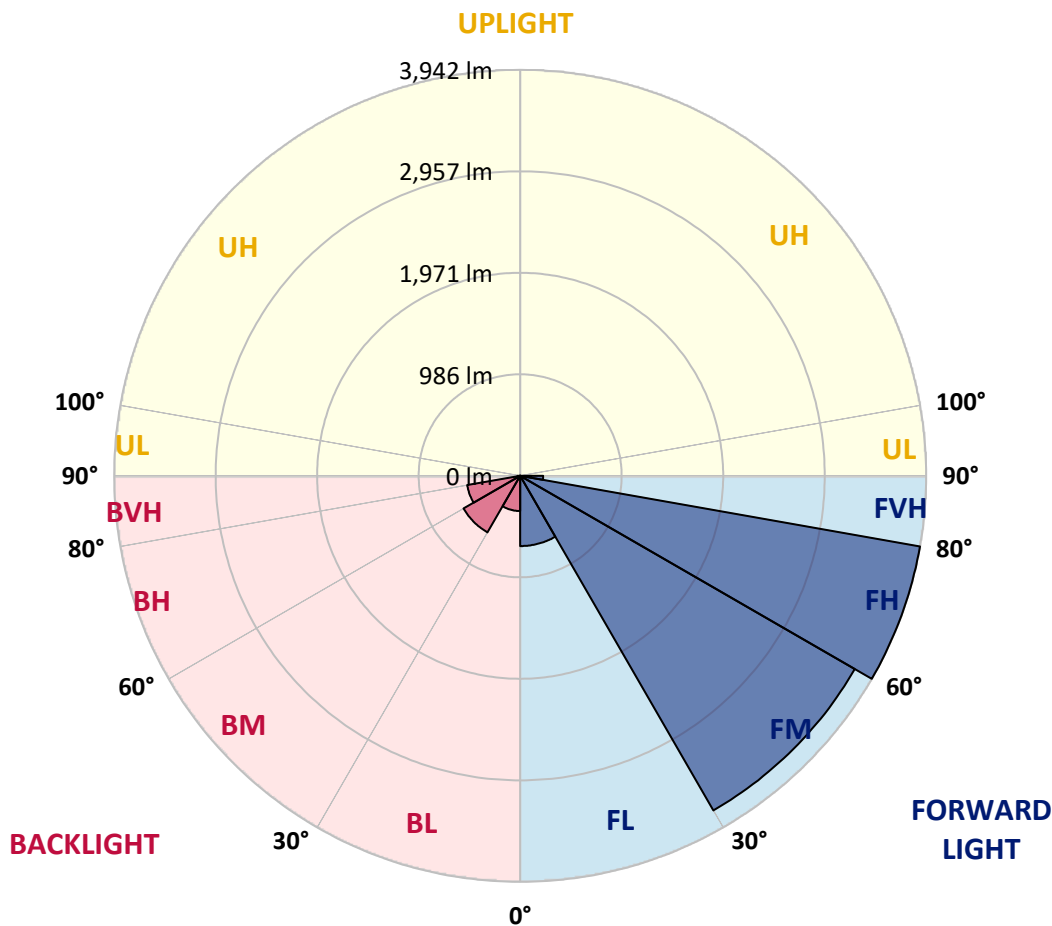


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	682.3	6.7			
FM (30°-60°)	3751.4	37.1			
FH (60°-80°)	3942.2	38.9			G2/5000
FVH (80°-90°)	223.3	2.2			G2/225
BL (0°-30°)	341.7	3.4	B1/500		
BM (30°-60°)	634.5	6.3	B1/1000		
BH (60°-80°)	522.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	25.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	957.9	957.9	957.9	957.9	957.9	957.9	957.9	957.9	957.9	957.9	957.9
2.5°	1196.0	1140.2	1081.0	1097.7	1131.6	1147.1	1130.4	1114.0	1093.0	1068.1	1153.1
5°	1450.4	1367.6	1355.6	1355.1	1343.1	1295.1	1356.9	1352.6	1377.4	1403.2	1469.2
7.5°	1522.9	1492.0	1458.5	1474.4	1413.9	1411.3	1507.4	1534.9	1582.9	1567.0	1655.8
10°	1485.5	1450.8	1468.4	1461.9	1467.5	1531.0	1589.8	1591.5	1643.0	1693.6	1636.5
12.5°	1419.9	1422.5	1492.4	1489.8	1579.9	1697.9	1715.5	1701.7	1785.8	1751.5	1800.4
15°	1466.7	1498.0	1480.4	1495.4	1531.0	1681.2	1730.1	1779.8	1859.6	1890.5	1841.6
17.5°	1541.3	1558.0	1479.1	1471.0	1544.3	1615.5	1736.9	1779.4	1791.8	2011.9	1942.8
20°	1509.6	1543.5	1466.2	1367.1	1489.0	1583.3	1703.0	1690.2	1750.6	2021.3	1963.9
22.5°	1599.7	1543.5	1445.2	1374.9	1417.8	1504.4	1606.1	1690.6	1762.2	1966.0	1994.3
25°	1616.8	1590.2	1498.4	1428.5	1413.9	1444.8	1589.8	1645.1	1766.1	2041.5	1978.0
27.5°	1721.5	1681.6	1494.6	1496.7	1424.2	1369.7	1538.3	1654.6	1809.8	1994.7	2017.9
30°	1851.5	1821.0	1586.4	1594.9	1494.6	1394.2	1573.5	1608.7	1835.2	2067.7	2068.1
32.5°	1948.8	2002.5	1767.0	1650.3	1614.7	1539.6	1519.4	1677.7	1805.6	2199.8	2153.9
35°	2124.3	2165.9	1905.9	1812.4	1691.9	1607.4	1666.1	1723.2	1928.7	2373.5	2281.3
37.5°	2449.0	2401.0	2164.2	2017.0	1972.0	1850.2	1882.8	1842.9	2062.5	2568.7	2531.0
40°	2636.9	2595.3	2346.1	2264.6	2086.1	2101.6	2060.8	2090.0	2241.4	2776.3	2764.3
42.5°	2822.2	2766.5	2555.8	2499.2	2321.2	2245.7	2253.0	2347.4	2517.2	3111.8	3071.9
45°	3005.4	2862.6	2770.3	2785.3	2699.5	2544.7	2555.4	2644.2	2818.4	3495.3	3403.5
47.5°	3145.7	3027.7	2955.6	2937.2	2894.7	3101.9	3009.3	3045.3	3122.1	3836.8	3802.0
50°	3411.2	3273.5	3179.6	3153.0	3297.1	3585.4	3396.6	3319.0	3482.4	4278.2	4260.2
52.5°	3836.3	3664.7	3508.2	3506.4	3714.9	3902.0	4034.9	3901.1	3961.2	4730.3	4781.8
55°	4207.4	4008.8	3868.1	3945.7	4242.6	4357.1	4808.8	4704.1	4653.5	5186.7	5333.9
57.5°	4346.0	4113.9	4022.1	4136.6	4574.2	5162.7	5640.2	5364.8	5315.4	5703.2	6011.7
60°	4041.8	3796.4	3802.0	4017.8	4775.8	5754.3	6549.2	6315.4	6026.3	6346.3	6647.4
62.5°	3175.3	2953.5	3098.1	3426.2	4606.8	6329.1	7767.5	7866.1	6838.3	6879.5	7000.0
65°	2158.2	2004.6	2135.0	2456.3	3736.4	6642.7	8927.8	9323.4	7577.9	7228.7	7152.3
67.5°	1420.3	1311.8	1337.1	1550.7	2572.1	5662.9	9703.9	10135.0	8253.9	7515.2	6883.8
70°	1099.9	1012.4	1001.2	1113.2	1525.4	3934.1	9244.0	9899.5	8665.7	7246.7	6000.1
72.5°	863.1	796.6	802.6	910.3	1181.4	2182.6	7153.2	8418.2	8045.4	6249.7	4609.8
75°	673.1	618.6	649.0	772.2	1092.6	1356.4	4935.4	6389.2	6220.1	4627.8	2629.2
77.5°	488.6	453.4	496.8	657.6	1027.0	1163.8	3072.3	4457.5	3984.8	2376.1	902.1
80°	320.4	300.7	336.3	536.2	931.3	1120.1	1898.6	2731.3	1969.0	667.5	341.5
82.5°	188.7	180.2	209.8	362.9	748.6	1049.7	1266.3	1517.7	805.6	282.3	181.5
85°	99.1	92.7	124.4	208.5	516.1	958.3	996.9	908.6	389.1	122.7	86.7
87.5°	33.0	32.2	52.8	80.6	195.2	508.8	531.9	431.5	160.4	35.6	18.9
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°	957.9	957.9	957.9	957.9	957.9	957.9	957.9	957.9	957.9	957.9	957.9
2.5°	1164.7	1147.5	1048.8	1062.6	1075.4	1069.0	1065.1	1020.5	1016.2	1079.7	1074.6
5°	1467.5	1396.3	1312.2	1308.4	1253.0	1196.4	1207.6	1189.5	1194.7	1220.9	1223.4
7.5°	1627.5	1538.7	1458.5	1328.1	1217.4	1127.8	1141.9	1137.6	1126.1	1185.3	1201.1
10°	1624.5	1545.6	1455.1	1297.2	1222.6	1149.7	1062.1	979.4	954.9	925.7	928.3
12.5°	1731.8	1661.9	1464.5	1303.7	1202.4	1076.7	912.9	822.3	735.7	734.0	712.1
15°	1765.2	1713.8	1484.7	1266.8	1061.3	881.1	711.7	613.4	550.8	538.4	519.9
17.5°	1849.7	1769.1	1423.3	1147.5	897.4	688.9	534.9	466.3	461.1	469.7	460.3
20°	1855.3	1724.5	1312.7	971.2	721.1	522.1	436.3	402.0	420.4	441.4	440.6
22.5°	1850.6	1668.3	1217.0	821.1	541.8	419.5	382.2	374.5	391.7	423.0	426.8
25°	1802.6	1649.8	1097.3	674.3	439.7	359.5	349.2	353.9	375.4	412.2	412.2
27.5°	1852.7	1574.8	947.2	548.7	369.8	320.0	327.3	339.3	355.2	397.2	405.0
30°	1836.4	1599.7	826.2	441.8	326.0	292.6	308.9	320.9	338.9	382.6	386.5
32.5°	1880.2	1533.2	724.5	371.5	297.3	281.8	285.7	302.0	325.6	359.9	366.8
35°	1947.1	1557.6	607.9	334.2	283.1	269.4	276.7	289.6	313.2	346.6	352.2
37.5°	2160.8	1556.3	527.2	313.6	280.6	266.8	270.3	279.3	306.7	337.2	350.0
40°	2298.0	1645.6	453.9	308.9	277.5	265.5	262.5	272.4	294.3	330.3	339.3
42.5°	2555.8	1700.0	422.1	307.1	277.1	258.2	255.2	266.8	288.3	321.7	335.5
45°	2828.2	1777.7	396.8	306.3	275.8	257.0	247.9	262.5	280.6	312.7	328.6
47.5°	3148.7	1942.0	382.6	303.3	273.3	258.7	245.4	252.7	272.8	305.0	320.9
50°	3568.2	2159.5	385.6	299.0	277.1	259.1	241.5	244.9	263.4	294.7	311.0
52.5°	4078.3	2496.2	405.0	300.7	279.7	257.0	239.8	238.1	254.0	281.4	297.7
55°	4693.0	2974.1	462.9	308.9	279.7	256.5	237.2	229.5	241.5	263.8	279.7
57.5°	5434.7	3527.5	576.1	312.7	277.5	254.0	231.6	217.9	225.2	243.7	258.7
60°	6071.7	3974.0	692.8	315.3	281.8	247.9	220.5	203.3	208.1	222.2	235.5
62.5°	6396.5	4099.3	728.0	313.2	293.4	244.1	207.2	187.9	188.3	200.3	212.3
65°	6457.4	3932.4	586.8	311.0	308.4	243.7	197.8	174.6	171.6	180.2	190.5
67.5°	6023.2	3413.4	423.4	306.3	310.1	241.1	191.3	163.9	156.1	162.2	170.7
70°	5114.2	2748.9	355.6	296.9	289.6	228.2	180.2	152.7	142.4	146.7	153.1
72.5°	3812.7	2033.8	310.1	276.7	252.2	195.2	163.0	140.3	129.6	132.6	137.3
75°	2118.3	1084.9	259.5	240.7	205.9	157.9	139.0	124.4	115.0	116.3	121.4
77.5°	703.5	400.2	190.5	190.9	155.7	121.8	114.5	106.4	99.1	99.5	103.8
80°	318.7	221.4	136.4	137.3	108.5	88.4	87.9	85.4	80.6	79.4	82.4
82.5°	184.9	134.3	93.5	89.2	69.9	57.5	63.9	62.6	61.3	56.6	57.5
85°	90.9	72.1	48.9	46.3	38.6	28.7	34.3	35.6	34.3	29.2	28.7
87.5°	22.3	23.6	12.0	11.2	6.4	3.0	5.1	5.1	6.4	4.3	2.1
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)