

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: P367923

Luminaire Tested: **PMM-SA3C-727-U-SL2-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367923  
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-SA3C-727-U-SL2-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 12479 lumens  
Efficiency: N/A  
Efficacy: 75.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

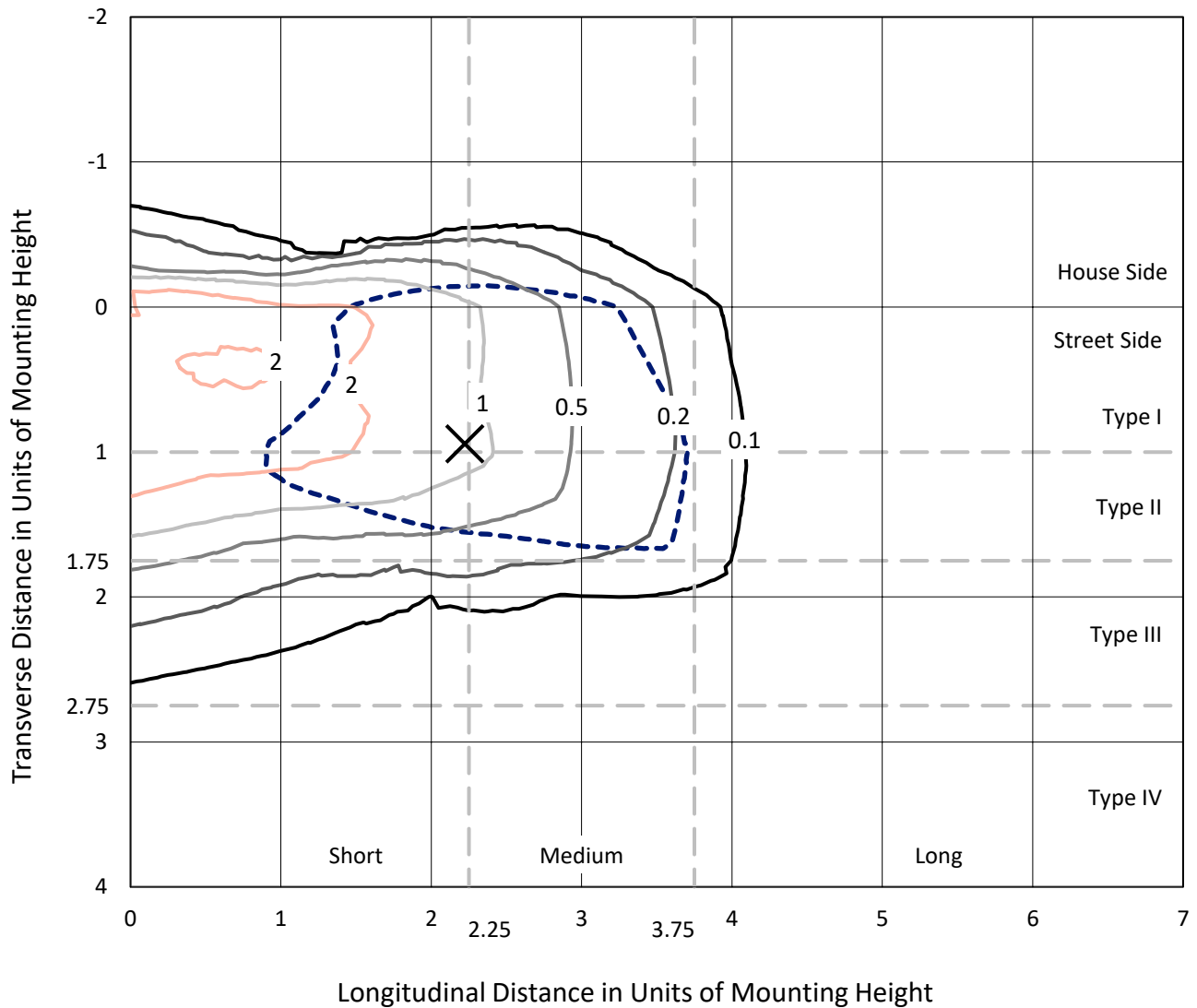
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

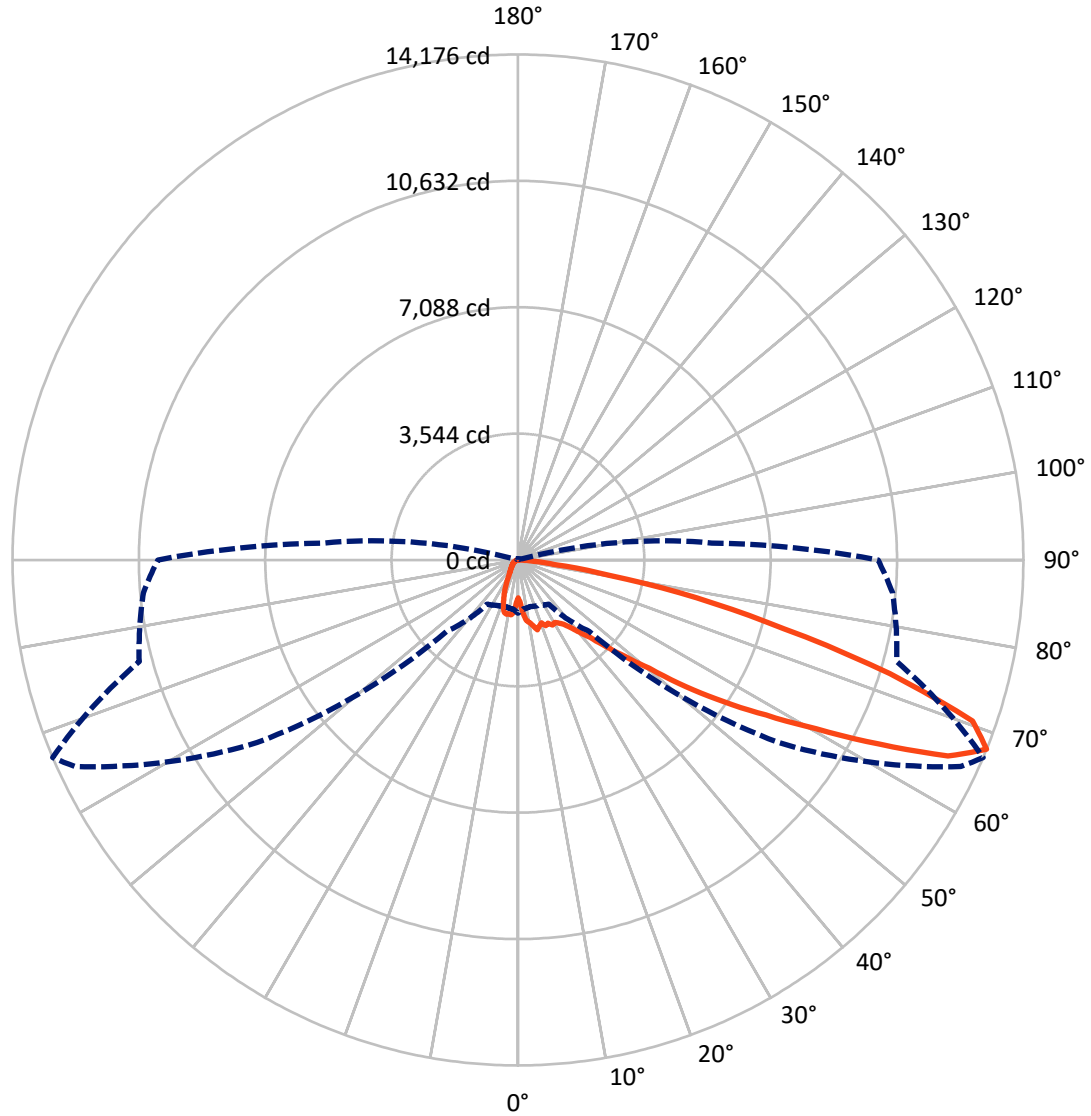
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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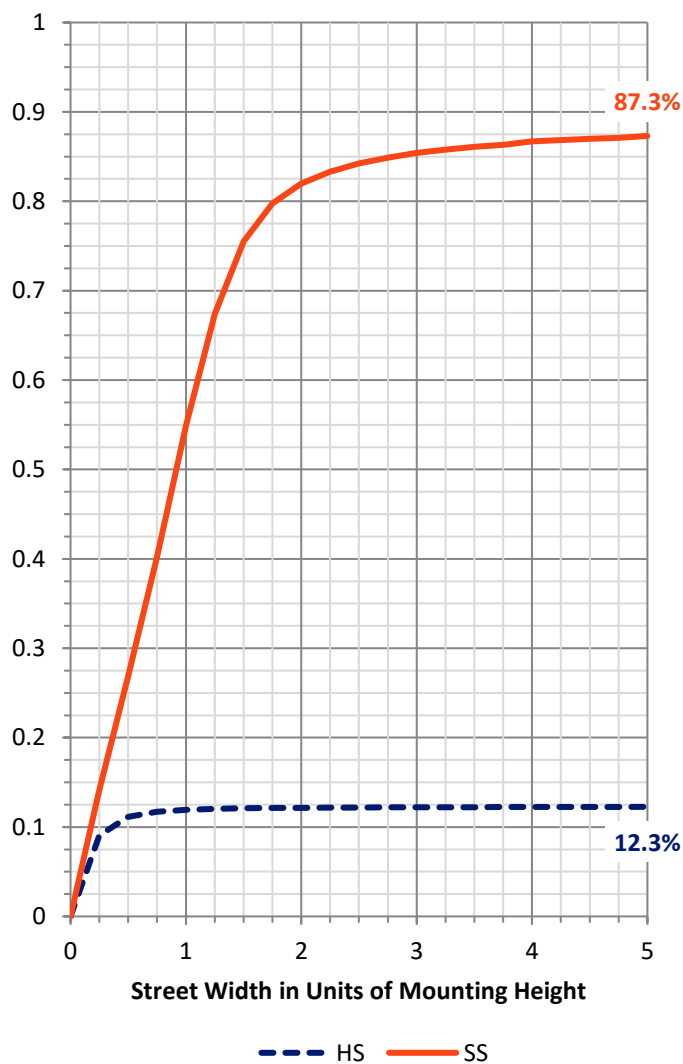
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1543.3	0.0	1543.3
	% Fixture	12.4	0.0	12.4
<b>Street Side</b>	Lumens	10935.7	0.0	10935.7
	% Fixture	87.6	0.0	87.6
<b>Total</b>	Lumens	12479.0	0.0	12479.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.4	1.1
10°-20°	394.8	3.2
20°-30°	618.7	5.0
30°-40°	997.5	8.0
40°-50°	1833.0	14.7
50°-60°	3095.7	24.8
60°-70°	3422.4	27.4
70°-80°	1791.3	14.4
80°-90°	192.4	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°	12479.0	100.0
0°-180°	12479.0	100.0

**Coefficient of Utilization**



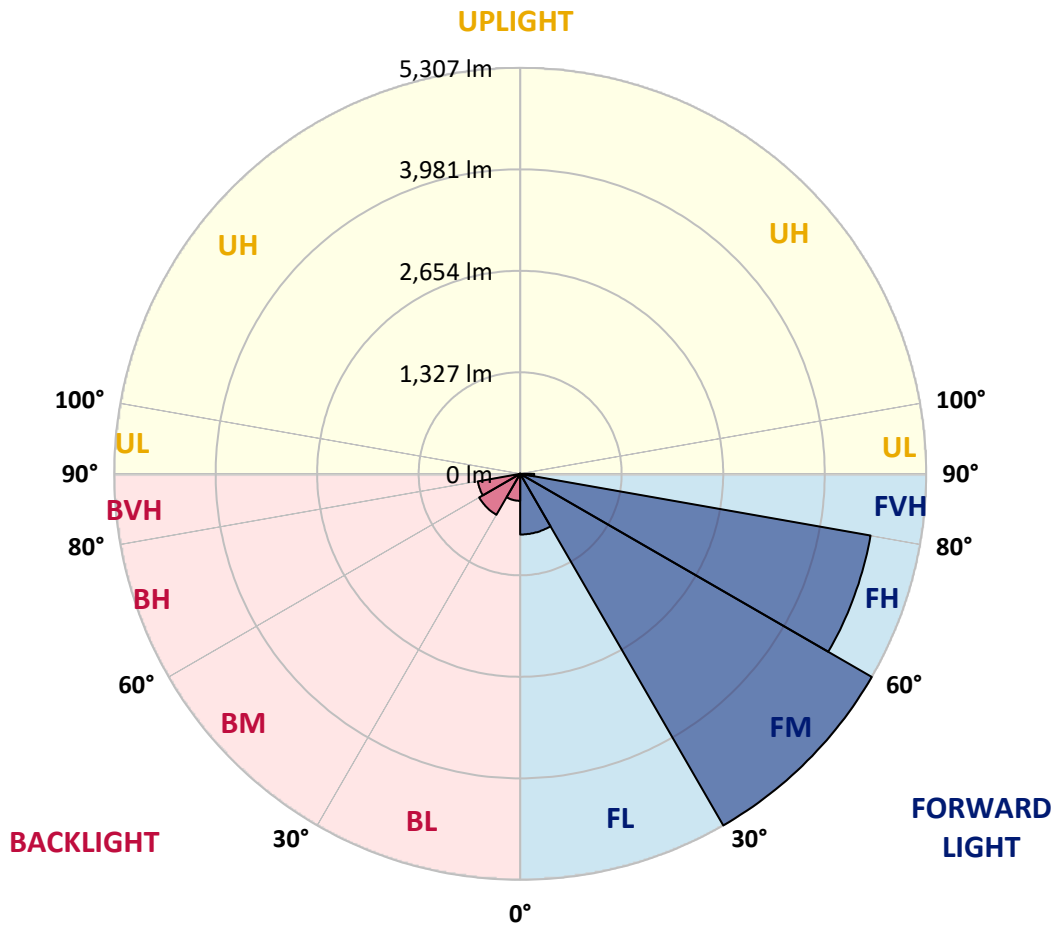
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.5	6.4			
FM (30°-60°)	5307.4	42.5			
FH (60°-80°)	4650.7	37.3			G2/5000
FVH (80°-90°)	184.2	1.5			G2/225
BL (0°-30°)	353.4	2.8	B1/500		
BM (30°-60°)	618.8	5.0	B1/1000		
BH (60°-80°)	562.9	4.5	B2/1000		G2/1000
BVH (80°-90°)	8.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9
2.5°	1254.7	1212.3	1140.1	1161.0	1202.8	1237.6	1221.1	1188.8	1189.5	1156.5	1274.9
5°	1459.8	1402.8	1361.0	1375.6	1373.7	1372.4	1450.3	1480.0	1492.7	1547.1	1627.5
7.5°	1518.6	1498.4	1454.7	1468.0	1424.3	1427.5	1564.2	1693.4	1713.6	1747.2	1890.2
10°	1495.9	1456.6	1472.4	1472.4	1473.1	1544.0	1635.8	1759.2	1783.9	1913.0	1928.2
12.5°	1471.2	1473.1	1535.7	1524.3	1610.4	1737.7	1768.7	1907.3	1895.3	2007.3	2173.8
15°	1563.0	1611.1	1570.6	1586.4	1594.6	1744.0	1794.0	1978.2	2031.4	2173.2	2281.4
17.5°	1720.6	1726.9	1642.7	1619.9	1679.4	1721.8	1822.5	1911.1	1946.6	2318.8	2472.0
20°	1749.1	1789.6	1704.1	1572.5	1698.4	1756.7	1826.9	1869.3	1884.5	2363.7	2579.6
22.5°	1920.6	1875.7	1738.9	1638.9	1675.0	1738.3	1782.0	1909.9	2001.0	2278.9	2682.8
25°	2008.6	1996.6	1866.2	1780.7	1744.0	1738.9	1839.0	1935.8	1964.9	2366.9	2708.1
27.5°	2219.4	2192.2	1939.6	1928.8	1807.9	1701.6	1840.9	2014.9	2069.4	2284.0	2803.1
30°	2506.2	2496.0	2159.9	2152.9	1960.5	1769.3	1943.4	2063.7	2030.8	2326.4	2866.4
32.5°	2794.8	2877.1	2533.4	2337.2	2192.8	2018.1	1914.3	2048.5	2107.4	2429.6	2982.8
35°	3143.6	3203.1	2853.1	2710.6	2389.7	2134.6	2107.4	2193.5	2218.8	2552.4	3115.2
37.5°	3753.9	3664.0	3365.8	3123.4	2955.0	2550.5	2416.3	2347.9	2406.8	2718.9	3385.5
40°	4204.6	4147.6	3780.5	3635.5	3248.1	3011.3	2660.6	2596.7	2662.5	2889.8	3573.5
42.5°	4748.4	4630.0	4284.4	4186.2	3787.4	3331.0	2975.3	2997.4	2956.3	3227.2	3903.3
45°	5240.2	4973.1	4780.7	4802.8	4590.1	3973.5	3500.0	3489.3	3455.1	3715.9	4250.2
47.5°	5571.3	5337.7	5150.3	5088.9	5063.6	5103.5	4258.4	4067.2	4041.9	4229.3	4796.5
50°	5749.2	5493.5	5261.8	5274.4	5788.4	6175.2	5040.8	4769.3	4778.8	4974.4	5543.5
52.5°	5629.6	5340.3	5095.9	5333.3	6350.6	6889.9	6336.0	5686.5	5906.8	5856.8	6545.6
55°	5076.9	4825.6	4652.2	5076.9	6412.0	7659.1	7930.6	7067.2	7017.8	6903.8	7567.3
57.5°	4147.0	3930.5	3823.5	4271.7	5740.3	8278.8	9532.2	8627.6	8206.6	7729.3	8415.5
60°	3089.8	2930.3	2818.9	3055.6	4523.0	7676.8	10581.1	10098.1	9610.7	8525.0	9177.7
62.5°	2288.4	2158.6	2040.3	2061.8	3114.5	6602.5	10983.7	11656.0	11376.2	9365.1	9896.8
65°	1826.3	1707.9	1625.0	1577.5	1928.8	4967.4	10423.5	12932.8	13255.7	10156.4	10415.9
67.5°	1491.4	1391.4	1350.3	1404.7	1512.9	2831.6	8927.0	13707.7	14176.1	10995.8	10543.8
70°	1213.5	1131.2	1126.8	1273.7	1393.3	1726.3	6566.4	13172.8	13525.4	11138.8	9777.2
72.5°	845.7	809.6	867.3	1075.5	1380.6	1437.6	3771.0	10900.8	10913.5	9838.0	8042.0
75°	478.6	472.9	564.0	857.8	1344.6	1423.1	2102.3	7703.4	7709.1	7440.7	5571.3
77.5°	263.3	246.2	328.5	579.9	1154.7	1390.1	1356.0	5259.9	5125.0	4140.7	2544.8
80°	121.5	114.6	177.9	371.6	844.5	1314.8	1086.9	2891.1	2606.8	1349.0	621.0
82.5°	50.0	47.5	81.7	238.7	533.6	1059.1	916.0	1282.5	1029.3	256.4	191.8
85°	8.9	9.5	33.6	144.3	298.8	488.1	742.5	609.0	447.6	70.9	105.1
87.5°	0.0	0.0	7.0	34.8	72.2	133.6	301.3	170.3	117.1	20.9	31.0
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°	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9	1062.9
2.5°	1298.3	1287.6	1178.7	1183.8	1191.4	1184.4	1183.1	1152.8	1124.9	1216.7	1215.4
5°	1642.1	1565.5	1490.2	1461.0	1398.4	1316.1	1316.7	1290.8	1264.2	1301.5	1301.5
7.5°	1887.1	1781.4	1685.8	1515.5	1349.6	1199.6	1186.3	1150.9	1110.3	1159.1	1168.6
10°	1944.0	1852.3	1728.8	1478.8	1321.8	1175.5	1014.8	882.4	821.0	792.6	787.5
12.5°	2119.4	2051.0	1775.0	1498.4	1272.4	1024.9	761.5	604.5	497.6	489.3	477.9
15°	2236.5	2188.4	1820.6	1449.6	1063.5	736.8	478.6	367.2	324.1	320.3	314.6
17.5°	2418.2	2334.6	1776.9	1294.6	831.8	486.2	321.6	289.9	295.0	306.4	297.5
20°	2492.2	2328.9	1682.0	1069.8	584.3	326.0	279.2	262.1	275.4	286.1	281.1
22.5°	2568.2	2345.4	1597.8	881.8	381.7	269.7	248.8	239.9	241.2	251.9	252.6
25°	2567.6	2391.0	1500.3	686.8	284.2	239.9	224.7	213.3	208.9	216.5	214.6
27.5°	2692.3	2338.4	1322.4	509.6	250.0	214.6	200.0	186.1	170.3	177.9	177.9
30°	2692.9	2423.9	1198.3	365.9	229.2	191.2	178.5	157.0	138.6	145.0	145.6
32.5°	2764.5	2349.8	1083.8	279.8	212.7	177.2	149.4	129.8	119.0	122.8	122.8
35°	2846.1	2413.1	907.8	246.9	196.2	157.6	127.9	112.0	103.8	107.0	107.0
37.5°	3115.8	2399.8	785.6	229.8	185.5	142.4	116.5	98.8	95.0	96.9	99.4
40°	3213.3	2494.1	619.7	219.7	167.8	128.5	102.6	89.3	84.2	85.5	86.1
42.5°	3461.4	2515.0	495.0	211.4	151.9	111.4	91.2	81.7	75.3	75.3	77.2
45°	3735.5	2567.6	393.7	204.5	138.6	100.0	82.3	74.7	65.2	63.9	66.5
47.5°	4132.4	2768.9	320.9	190.5	122.8	93.1	76.0	64.6	57.0	54.4	57.0
50°	4796.5	3110.7	283.6	173.5	111.4	87.4	67.1	55.1	49.4	46.2	48.1
52.5°	5733.4	3701.3	264.0	157.6	101.3	78.5	60.1	48.1	42.4	39.9	41.1
55°	6774.1	4378.7	254.5	141.8	92.4	69.0	52.5	42.4	37.3	34.2	34.8
57.5°	7736.3	5015.5	245.0	126.6	83.6	61.4	46.2	37.3	32.3	29.1	29.8
60°	8684.6	5523.8	222.2	108.9	75.3	55.1	40.5	32.3	29.1	25.3	25.3
62.5°	9523.3	5827.7	189.3	94.3	67.7	48.7	36.1	29.1	26.6	22.8	22.8
65°	10094.3	5841.6	152.6	81.0	59.5	41.8	31.7	27.2	24.7	20.3	19.6
67.5°	10102.6	5461.8	122.2	72.2	52.5	36.7	28.5	26.0	22.8	19.0	17.7
70°	9042.2	4512.3	101.9	63.3	45.6	32.3	24.7	24.7	22.2	18.4	16.5
72.5°	7233.0	3448.1	85.5	55.1	40.5	27.9	22.8	23.4	21.5	18.4	16.5
75°	4861.7	1977.6	70.9	46.8	35.4	23.4	22.2	22.8	22.2	18.4	15.8
77.5°	2239.0	629.9	55.1	38.6	30.4	19.6	21.5	21.5	20.3	16.5	13.9
80°	504.5	155.1	39.9	28.5	24.7	14.6	19.6	17.7	15.8	11.4	8.2
82.5°	183.6	47.5	24.1	17.7	15.2	5.7	12.7	12.7	11.4	8.2	5.1
85°	105.1	24.7	13.3	11.4	8.2	2.5	7.0	7.6	6.3	5.7	2.5
87.5°	34.2	5.7	6.3	7.0	6.3	1.3	2.5	2.5	1.9	1.3	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)