

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P368168

Luminaire Tested: **PMM-SA3D-830-U-SL3**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P368168
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-SA3D-830-U-SL3
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 15520 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

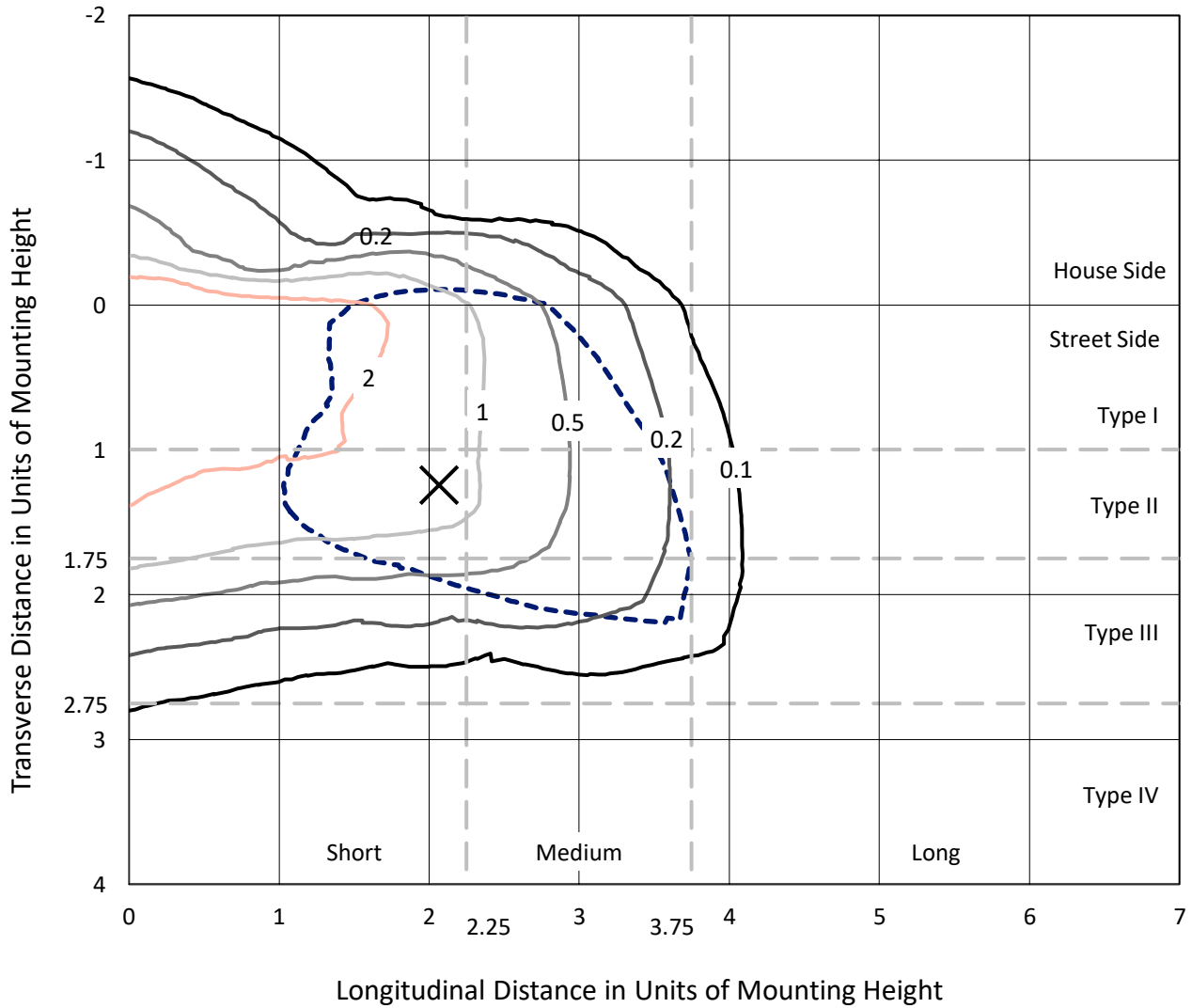
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

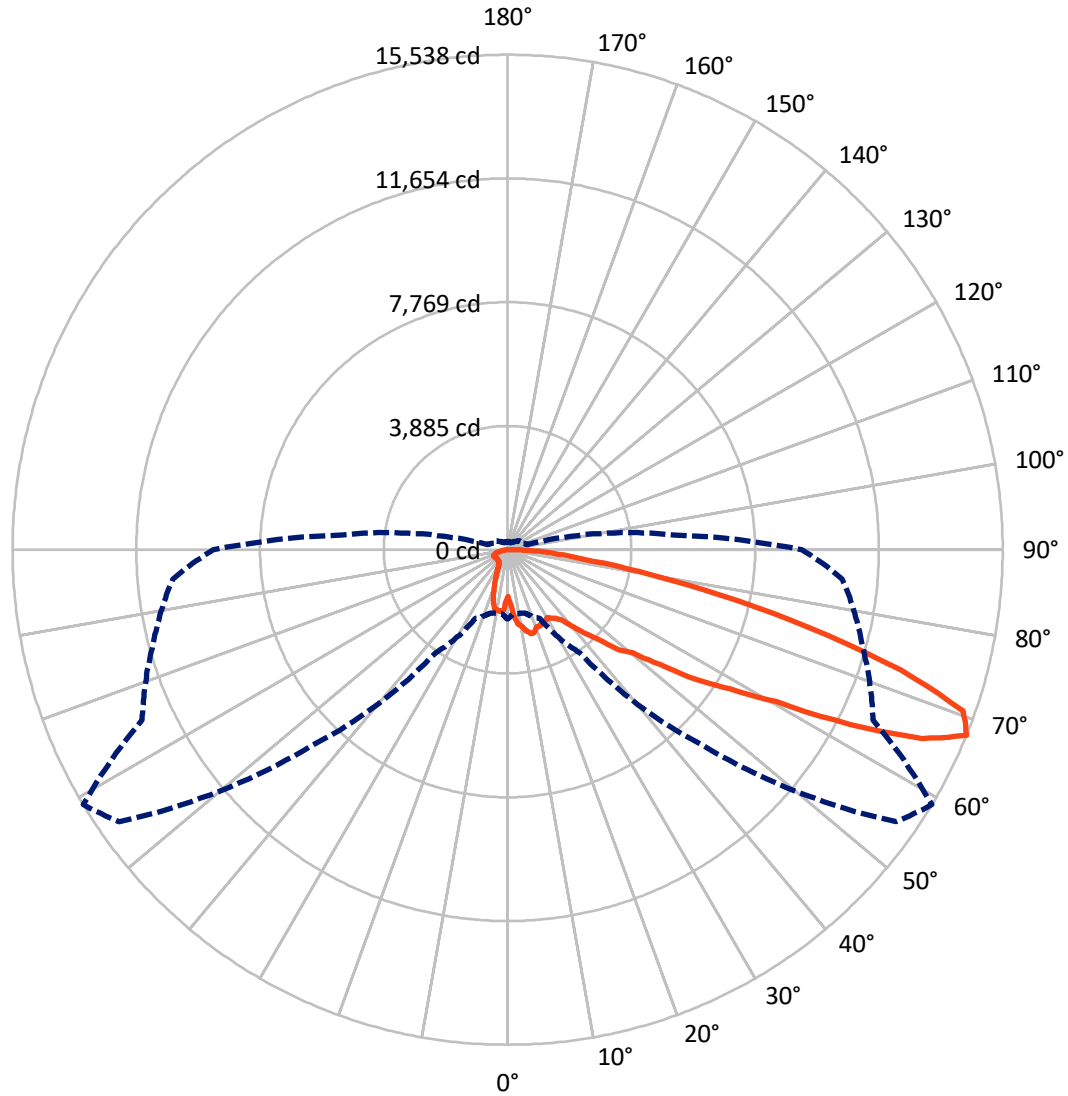
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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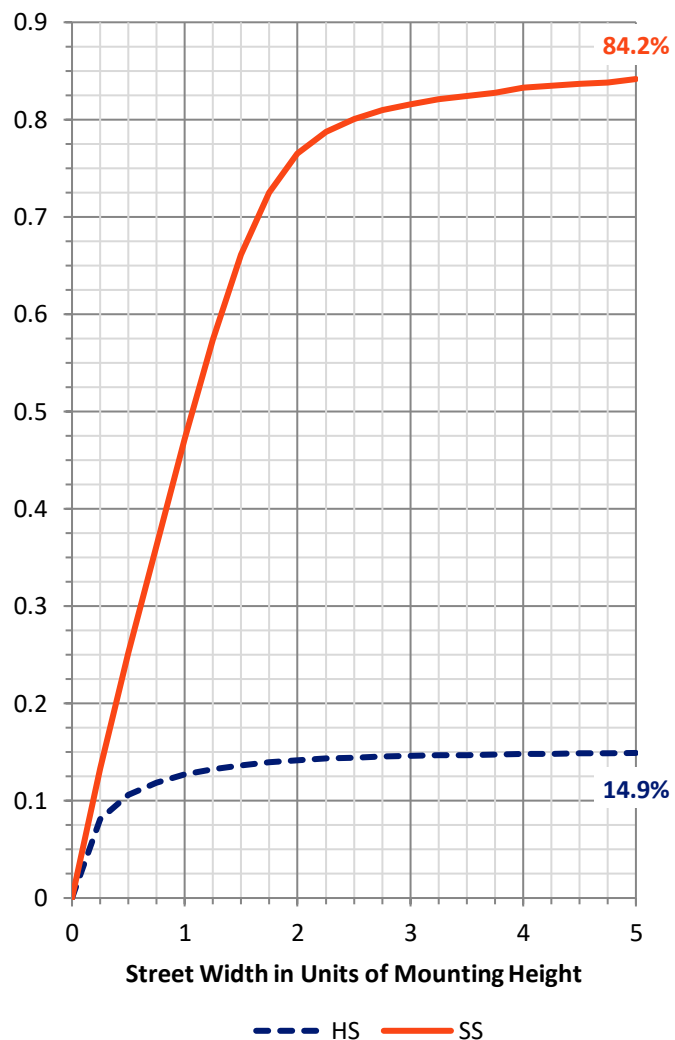
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2336.1	0.0	2336.1
	% Fixture	15.1	0.0	15.1
Street Side	Lumens	13183.9	0.0	13183.9
	% Fixture	84.9	0.0	84.9
Total	Lumens	15520.0	0.0	15520.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	1.2
10°-20°	567.6	3.7
20°-30°	810.6	5.2
30°-40°	1194.4	7.7
40°-50°	2018.0	13.0
50°-60°	3511.8	22.6
60°-70°	4475.0	28.8
70°-80°	2369.6	15.3
80°-90°	381.2	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°	15520.0	100.0
0°-180°	15520.0	100.0

Coefficient of Utilization

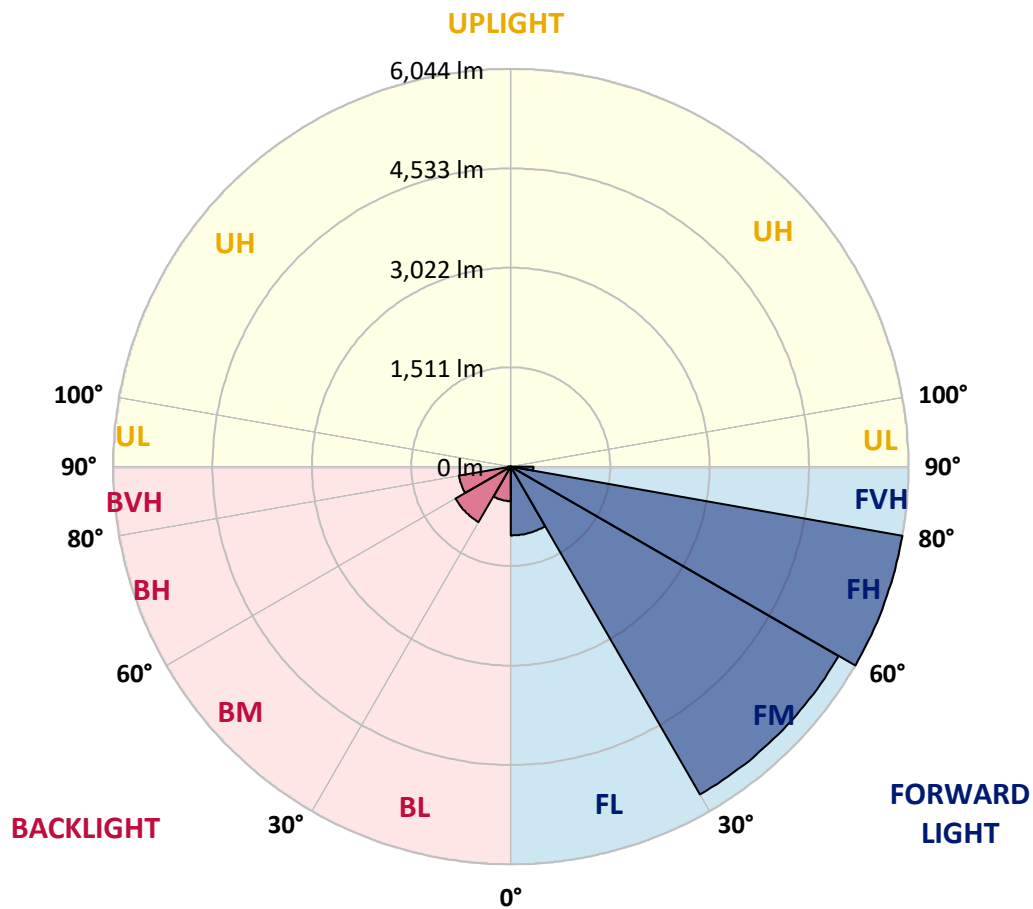


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1046.1	6.7			
FM (30°-60°)	5751.5	37.1			
FH (60°-80°)	6044.0	38.9			G3/7500
FVH (80°-90°)	342.4	2.2			G3/500
BL (0°-30°)	523.9	3.4	B2/1000		
BM (30°-60°)	972.7	6.3	B1/1000		
BH (60°-80°)	800.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	38.8	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-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1833.6	1748.1	1657.4	1683.0	1735.0	1758.6	1733.0	1708.0	1675.8	1637.6	1767.8
5°	2223.6	2096.7	2078.3	2077.6	2059.2	1985.5	2080.2	2073.7	2111.8	2151.3	2252.6
7.5°	2334.8	2287.4	2236.1	2260.4	2167.7	2163.8	2311.1	2353.2	2426.8	2402.5	2538.6
10°	2277.5	2224.3	2251.2	2241.4	2249.9	2347.3	2437.4	2440.0	2518.9	2596.5	2509.1
12.5°	2176.9	2180.9	2288.1	2284.1	2422.2	2603.1	2630.1	2609.0	2737.9	2685.3	2760.3
15°	2248.6	2296.6	2269.7	2292.7	2347.3	2577.5	2652.4	2728.7	2851.0	2898.4	2823.4
17.5°	2363.0	2388.7	2267.7	2255.2	2367.7	2476.8	2662.9	2728.1	2747.1	3084.5	2978.6
20°	2314.4	2366.3	2248.0	2096.0	2282.8	2427.5	2611.0	2591.3	2684.0	3099.0	3010.9
22.5°	2452.5	2366.3	2215.7	2107.9	2173.6	2306.5	2462.4	2591.9	2701.8	3014.2	3057.6
25°	2478.8	2438.0	2297.3	2190.1	2167.7	2215.1	2437.4	2522.2	2707.7	3129.9	3032.6
27.5°	2639.3	2578.1	2291.4	2294.6	2183.5	2100.0	2358.4	2536.7	2774.8	3058.2	3093.7
30°	2838.6	2791.9	2432.1	2445.3	2291.4	2137.5	2412.4	2466.3	2813.6	3170.0	3170.7
32.5°	2987.8	3070.1	2709.0	2530.1	2475.5	2360.4	2329.5	2572.2	2768.2	3372.6	3302.2
35°	3256.8	3320.6	2922.1	2778.7	2593.9	2464.3	2554.4	2641.9	2956.9	3638.9	3497.5
37.5°	3754.7	3681.0	3318.0	3092.4	3023.4	2836.6	2886.6	2825.4	3162.1	3938.2	3880.3
40°	4042.8	3979.0	3596.9	3471.9	3198.3	3222.0	3159.5	3204.2	3436.4	4256.5	4238.1
42.5°	4326.9	4241.4	3918.5	3831.6	3558.7	3443.0	3454.1	3598.8	3859.3	4770.8	4709.7
45°	4607.7	4388.7	4247.3	4270.3	4138.8	3901.4	3917.8	4053.9	4321.0	5358.8	5218.0
47.5°	4822.8	4641.9	4531.4	4503.1	4438.0	4755.7	4613.6	4668.9	4786.6	5882.3	5829.0
50°	5229.9	5018.8	4874.7	4834.0	5054.9	5496.9	5207.5	5088.5	5339.1	6559.1	6531.4
52.5°	5881.6	5618.6	5378.5	5375.9	5695.5	5982.3	6186.1	5980.9	6073.0	7252.2	7331.2
55°	6450.5	6146.0	5930.3	6049.3	6504.5	6680.1	7372.6	7212.1	7134.5	7952.0	8177.6
57.5°	6663.0	6307.2	6166.4	6342.0	7012.8	7915.2	8647.2	8225.0	8149.3	8743.9	9216.7
60°	6196.7	5820.5	5829.0	6159.8	7322.0	8822.1	10040.8	9682.4	9239.1	9729.7	10191.4
62.5°	4868.2	4528.1	4749.8	5252.9	7062.8	9703.4	11908.6	12059.9	10484.1	10547.2	10732.0
65°	3308.8	3073.3	3273.3	3765.9	5728.4	10184.2	13687.7	14294.0	11617.9	11082.6	10965.5
67.5°	2177.6	2011.2	2050.0	2377.5	3943.5	8682.0	14877.4	15538.4	12654.4	11521.9	10553.8
70°	1686.3	1552.1	1535.0	1706.7	2338.7	6031.6	14172.4	15177.3	13285.8	11110.2	9199.0
72.5°	1323.3	1221.3	1230.5	1395.6	1811.3	3346.3	10966.8	12906.3	12334.8	9581.8	7067.4
75°	1031.9	948.4	995.1	1183.8	1675.1	2079.6	7566.6	9795.5	9536.4	7095.1	4030.9
77.5°	749.1	695.2	761.6	1008.2	1574.5	1784.3	4710.3	6834.0	6109.2	3642.9	1383.1
80°	491.3	461.0	515.6	822.1	1427.8	1717.2	2910.9	4187.5	3018.8	1023.4	523.5
82.5°	289.4	276.2	321.6	556.4	1147.7	1609.3	1941.5	2326.9	1235.1	432.8	278.2
85°	151.9	142.1	190.7	319.6	791.2	1469.3	1528.5	1393.0	596.5	188.1	132.9
87.5°	50.6	49.3	80.9	123.6	299.2	780.0	815.5	661.6	246.0	54.6	28.9
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°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1785.6	1759.3	1608.0	1629.1	1648.8	1638.9	1633.0	1564.6	1558.0	1655.4	1647.5
5°	2249.9	2140.8	2011.8	2005.9	1921.1	1834.3	1851.4	1823.7	1831.6	1871.8	1875.7
7.5°	2495.2	2359.1	2236.1	2036.2	1866.5	1729.0	1750.7	1744.2	1726.4	1817.2	1841.5
10°	2490.6	2369.6	2230.9	1988.8	1874.4	1762.6	1628.4	1501.5	1464.0	1419.3	1423.2
12.5°	2655.1	2547.9	2245.3	1998.7	1843.5	1650.8	1399.5	1260.8	1127.9	1125.3	1091.8
15°	2706.4	2627.4	2276.2	1942.1	1627.1	1350.9	1091.1	940.5	844.5	825.4	797.1
17.5°	2835.9	2712.3	2182.2	1759.3	1375.9	1056.2	820.1	714.9	707.0	720.2	705.7
20°	2844.5	2643.9	2012.5	1489.0	1105.6	800.4	668.9	616.2	644.5	676.8	675.4
22.5°	2837.2	2557.7	1865.8	1258.8	830.7	643.2	586.0	574.2	600.5	648.5	654.4
25°	2763.6	2529.4	1682.3	1033.9	674.1	551.1	535.4	542.6	575.5	632.0	632.0
27.5°	2840.5	2414.3	1452.2	841.2	566.9	490.6	501.8	520.2	544.6	609.0	620.9
30°	2815.5	2452.5	1266.7	677.4	499.8	448.5	473.5	491.9	519.6	586.7	592.6
32.5°	2882.6	2350.6	1110.8	569.6	455.8	432.1	438.0	463.0	499.2	551.8	562.3
35°	2985.2	2388.0	931.9	512.3	434.1	413.0	424.2	443.9	480.1	531.4	540.0
37.5°	3312.7	2386.1	808.3	480.8	430.1	409.1	414.3	428.2	470.2	516.9	536.7
40°	3523.2	2522.9	695.8	473.5	425.5	407.1	402.5	417.6	451.2	506.4	520.2
42.5°	3918.5	2606.4	647.2	470.9	424.9	395.9	391.3	409.1	442.0	493.3	514.3
45°	4336.1	2725.4	608.4	469.6	422.9	394.0	380.1	402.5	430.1	479.4	503.8
47.5°	4827.4	2977.3	586.7	465.0	418.9	396.6	376.2	387.4	418.3	467.6	491.9
50°	5470.6	3310.8	591.3	458.4	424.9	397.2	370.3	375.5	403.8	451.8	476.8
52.5°	6252.6	3827.0	620.9	461.0	428.8	394.0	367.6	365.0	389.3	431.4	456.4
55°	7195.0	4559.7	709.6	473.5	428.8	393.3	363.7	351.9	370.3	404.5	428.8
57.5°	8332.2	5408.1	883.3	479.4	425.5	389.3	355.1	334.1	345.3	373.6	396.6
60°	9308.8	6092.8	1062.2	483.4	432.1	380.1	338.0	311.7	319.0	340.7	361.1
62.5°	9806.7	6284.8	1116.1	480.1	449.9	374.2	317.7	288.1	288.7	307.1	325.6
65°	9900.1	6029.0	899.7	476.8	472.9	373.6	303.2	267.7	263.1	276.2	292.0
67.5°	9234.5	5233.2	649.1	469.6	475.5	369.6	293.3	251.2	239.4	248.6	261.8
70°	7840.9	4214.4	545.2	455.1	443.9	349.9	276.2	234.1	218.4	224.9	234.8
72.5°	5845.5	3118.1	475.5	424.2	386.7	299.2	249.9	215.1	198.6	203.2	210.5
75°	3247.6	1663.3	397.9	369.0	315.7	242.0	213.1	190.7	176.3	178.2	186.1
77.5°	1078.6	613.6	292.0	292.7	238.7	186.8	175.6	163.1	151.9	152.6	159.2
80°	488.7	339.4	209.1	210.5	166.4	135.5	134.8	130.9	123.6	121.7	126.3
82.5°	283.5	205.9	143.4	136.8	107.2	88.1	98.0	96.0	94.0	86.8	88.1
85°	139.4	110.5	75.0	71.0	59.2	44.1	52.6	54.6	52.6	44.7	44.1
87.5°	34.2	36.2	18.4	17.1	9.9	4.6	7.9	7.9	9.9	6.6	3.3
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)