

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: P598274

Luminaire Tested: **PMM-SA1B-835-U-T3**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P598274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1B-835-U-T3
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4169 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

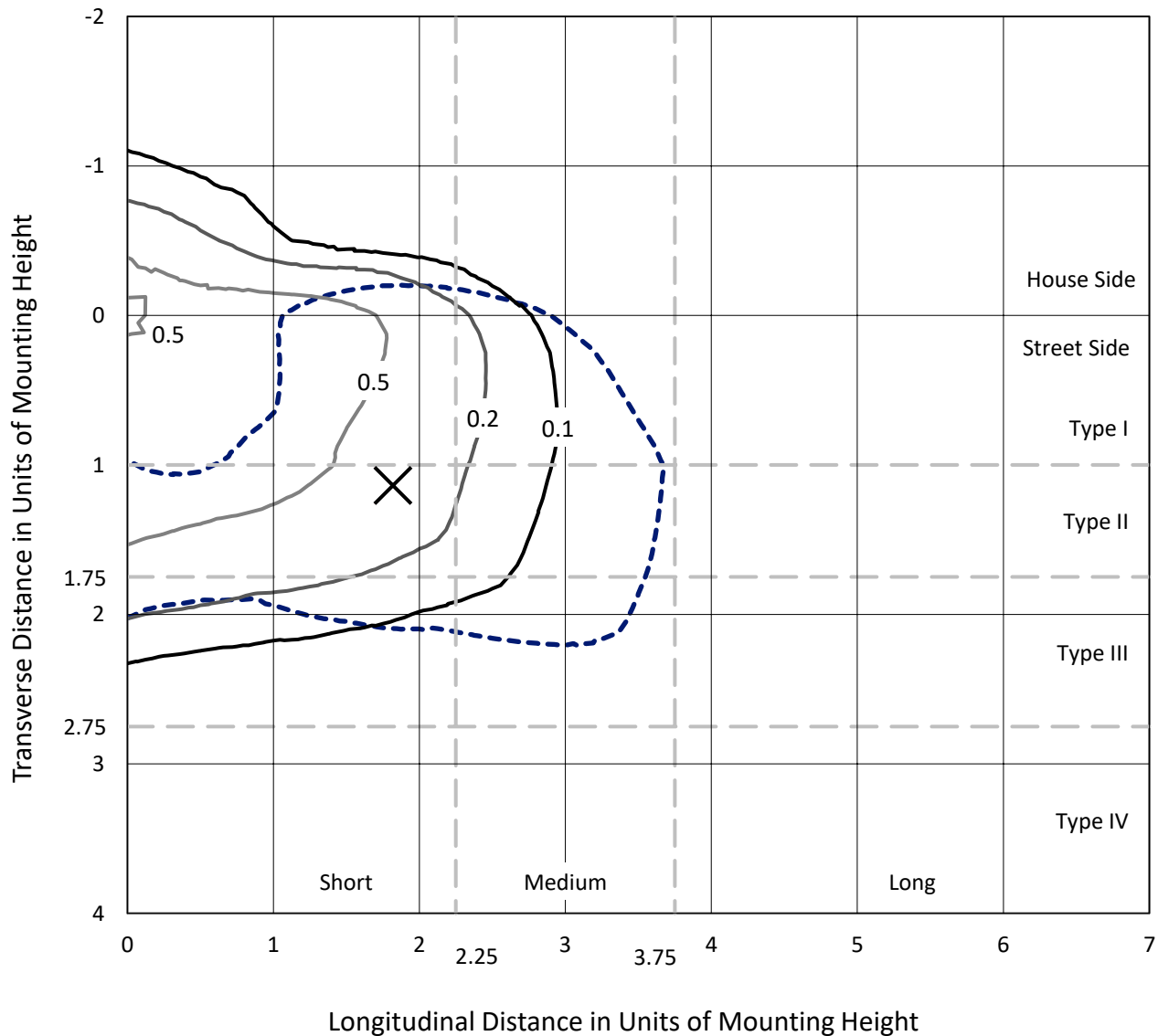


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Iso-Footcandle Lines of Horizontal Illumination

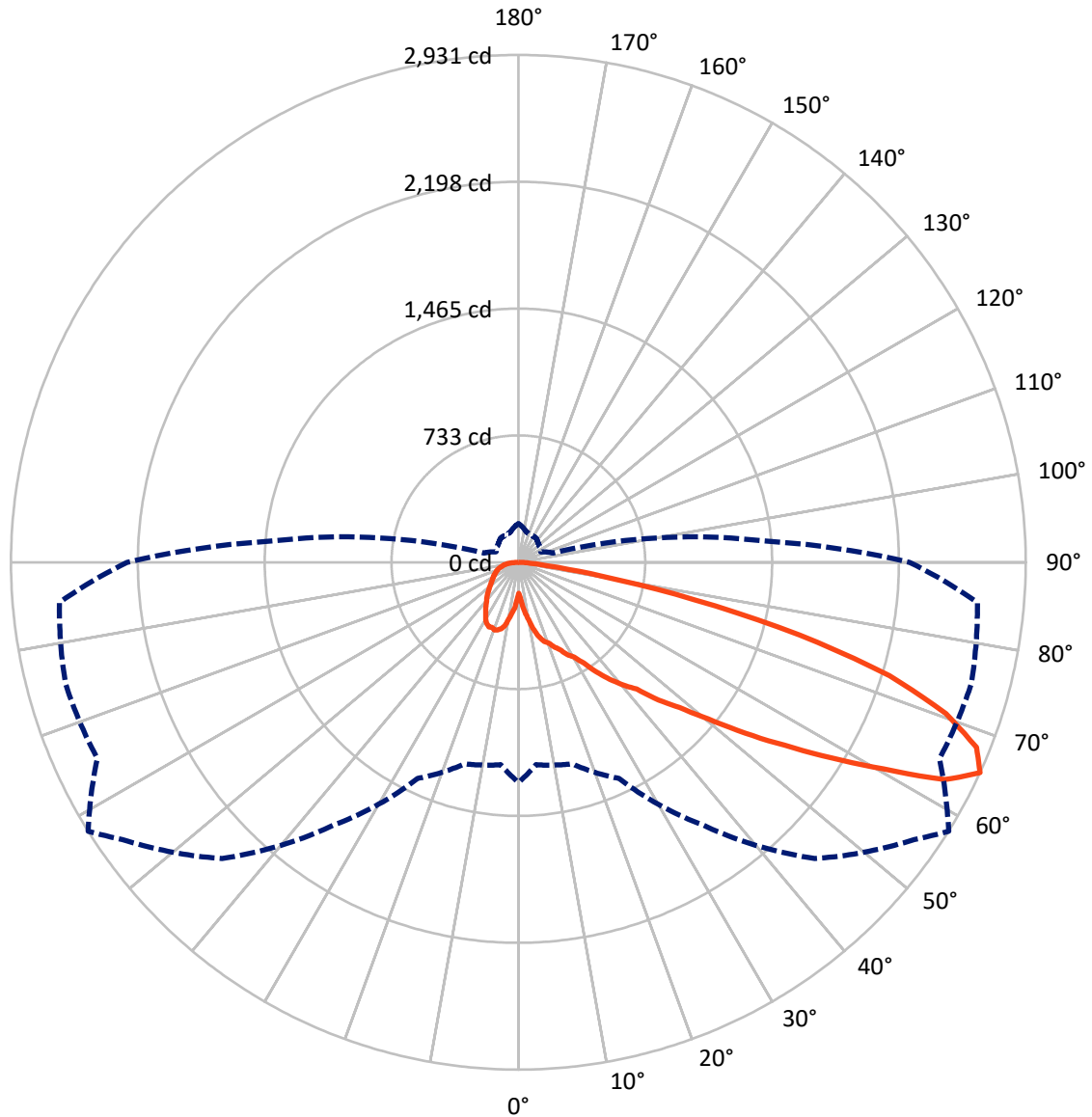
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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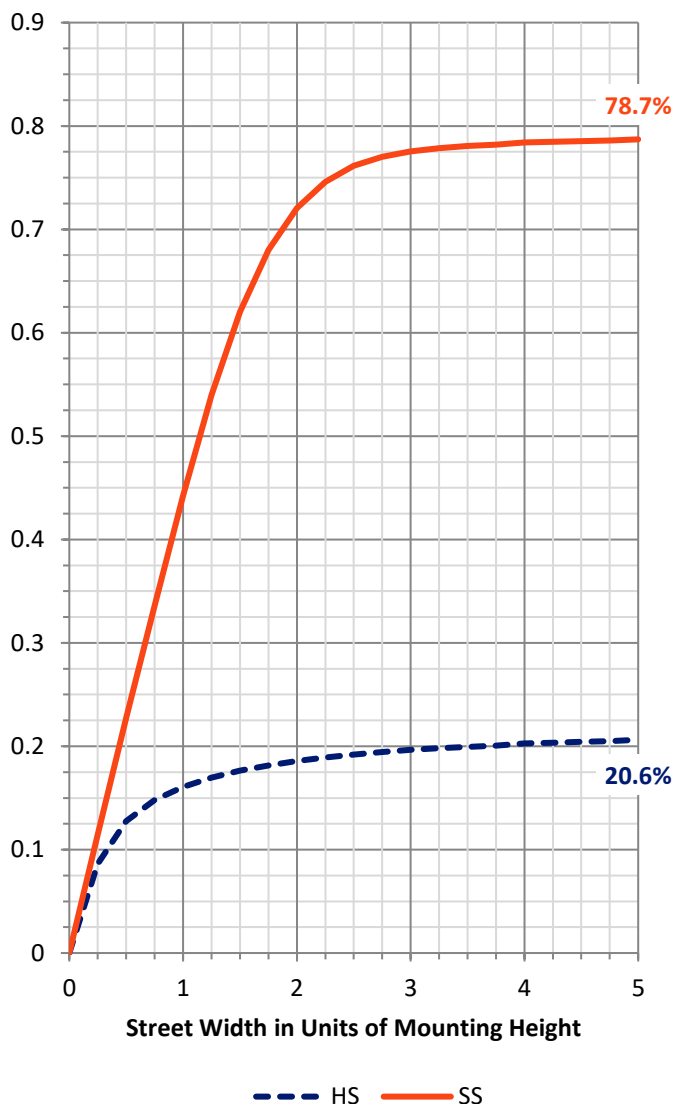
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	878.1	0.0	878.1
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	3290.9	0.0	3290.9
	% Fixture	78.9	0.0	78.9
Total	Lumens	4169.0	0.0	4169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.7
10°-20°	119.0	2.9
20°-30°	228.3	5.5
30°-40°	376.9	9.0
40°-50°	626.5	15.0
50°-60°	1034.6	24.8
60°-70°	1160.7	27.8
70°-80°	527.7	12.7
80°-90°	68.1	1.6
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°	4169.0	100.0
0°-180°	4169.0	100.0

Coefficient of Utilization



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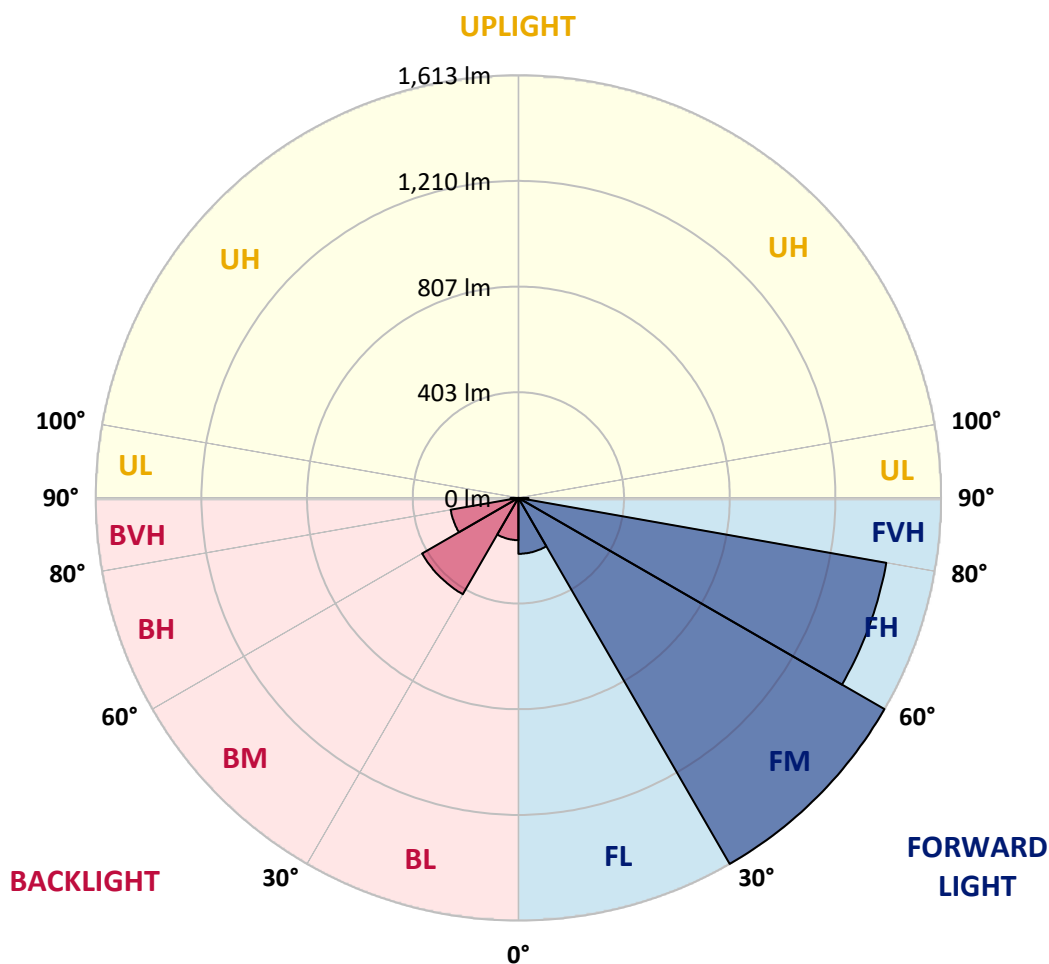
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.3	5.1			
FM (30°-60°)	1613.3	38.7			
FH (60°-80°)	1425.9	34.2			G1/1800
FVH (80°-90°)	38.3	0.9			G1/100
BL (0°-30°)	161.2	3.9	B1/500		
BM (30°-60°)	424.7	10.2	B1/1000		
BH (60°-80°)	262.5	6.3	B1/500		G1/500
BVH (80°-90°)	29.7	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	213.7	207.3	196.5	199.1	205.4	208.9	206.8	204.0	200.4	199.7	215.6
5°	276.7	264.4	259.4	257.3	249.7	245.1	253.0	251.9	256.1	263.7	279.3
7.5°	322.8	314.1	305.7	304.9	290.1	284.9	295.3	300.9	308.3	308.5	329.7
10°	347.4	339.9	339.8	332.0	330.7	340.6	340.8	345.0	345.8	354.7	350.5
12.5°	374.1	373.6	383.2	383.0	394.1	410.4	402.3	402.3	404.7	393.9	407.1
15°	437.9	443.4	425.5	428.5	428.5	444.5	443.9	447.1	454.5	451.7	445.8
17.5°	504.2	507.7	487.9	469.5	470.8	467.4	479.9	481.1	474.0	506.3	499.1
20°	546.9	560.4	518.8	495.7	500.2	504.2	504.7	497.2	493.6	543.2	533.5
22.5°	599.7	588.2	550.0	524.5	531.3	525.9	524.8	530.6	535.6	554.4	570.2
25°	634.9	634.0	588.2	560.3	552.8	551.2	561.8	559.6	571.5	605.6	595.7
27.5°	686.1	702.1	620.8	627.8	595.0	560.4	594.5	604.7	626.2	620.7	642.7
30°	785.4	773.5	688.6	686.7	649.5	620.5	644.1	635.4	674.1	672.9	689.3
32.5°	866.5	874.8	768.1	748.1	720.5	685.6	670.0	694.1	714.9	749.2	758.4
35°	952.3	950.4	849.5	809.2	763.6	749.2	768.4	778.5	822.8	854.2	832.3
37.5°	1085.6	1070.5	955.1	878.8	844.6	839.4	872.4	857.8	905.8	913.2	925.5
40°	1209.6	1164.1	1051.6	964.3	909.9	929.4	930.4	932.3	958.0	978.3	1039.3
42.5°	1327.5	1295.5	1149.7	1084.1	1004.0	985.1	996.9	1000.9	1065.8	1107.3	1191.7
45°	1488.6	1403.0	1290.7	1223.3	1133.7	1109.6	1101.2	1135.6	1198.3	1292.7	1365.1
47.5°	1624.9	1547.6	1440.5	1351.8	1251.6	1320.5	1273.3	1254.0	1338.2	1455.2	1570.5
50°	1737.9	1652.8	1547.8	1496.6	1480.6	1542.1	1419.5	1421.7	1498.8	1663.9	1796.1
52.5°	1825.4	1734.6	1641.5	1615.5	1704.7	1740.2	1651.6	1638.2	1694.5	1889.6	2048.3
55°	1907.2	1810.8	1738.9	1792.1	1942.4	1946.4	1940.2	1866.0	1933.7	2131.5	2309.4
57.5°	1928.2	1824.4	1776.6	1852.8	2056.1	2214.3	2276.4	2131.0	2199.9	2351.5	2533.1
60°	1820.0	1731.1	1712.0	1815.5	2117.6	2348.8	2511.2	2424.2	2398.3	2528.0	2689.7
62.5°	1598.5	1495.4	1510.8	1654.6	2052.8	2402.1	2696.6	2764.5	2607.9	2668.5	2758.1
65°	1272.3	1173.8	1205.1	1378.0	1849.5	2419.9	2791.4	2930.6	2683.6	2708.2	2661.2
67.5°	897.2	807.8	847.2	1070.9	1538.6	2193.1	2807.7	2853.2	2603.0	2594.9	2396.6
70°	508.3	452.3	495.0	681.4	1086.0	1747.1	2679.8	2619.9	2458.6	2342.9	2005.3
72.5°	233.2	213.9	234.4	346.9	625.2	1162.5	2187.7	2242.1	2118.5	1973.8	1525.6
75°	124.0	117.2	125.9	173.3	292.5	632.5	1554.4	1676.6	1610.8	1497.1	995.2
77.5°	92.2	87.0	91.1	112.3	156.3	247.4	883.2	1037.4	1062.4	957.7	552.6
80°	70.7	66.5	70.7	84.9	108.2	117.5	377.6	483.5	550.7	445.0	219.6
82.5°	52.4	49.7	56.1	63.7	76.0	73.4	134.0	166.8	215.1	147.1	85.6
85°	41.7	38.2	40.6	43.2	48.6	40.3	61.3	68.6	72.6	60.8	31.6
87.5°	16.3	15.1	29.5	23.3	19.8	12.2	18.4	20.8	21.4	20.5	9.2
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°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	217.4	215.6	205.4	208.7	214.1	215.1	217.4	211.1	208.0	219.5	220.0
5°	280.7	271.4	266.5	267.0	263.5	258.2	266.3	271.7	273.8	282.3	285.4
7.5°	329.9	318.6	310.4	301.0	287.9	279.3	293.6	304.0	309.6	327.3	334.2
10°	351.7	342.7	341.0	329.2	328.8	328.7	328.0	324.3	336.3	334.6	339.4
12.5°	396.9	395.0	378.5	373.8	374.3	373.8	359.2	358.5	358.7	374.7	368.9
15°	438.9	439.2	424.1	407.1	391.9	387.2	381.4	378.8	382.6	391.7	386.1
17.5°	490.8	492.5	449.3	422.4	402.3	401.7	388.0	371.9	395.1	400.7	394.6
20°	524.3	517.0	463.9	418.8	413.0	397.4	380.4	358.2	378.3	391.9	395.7
22.5°	556.1	543.4	477.4	425.2	397.8	379.2	362.7	348.3	354.7	369.8	367.4
25°	577.6	574.1	496.2	440.6	397.2	355.9	333.7	324.5	327.8	351.2	349.0
27.5°	629.0	591.5	492.9	444.6	380.6	324.1	313.0	303.1	299.8	325.2	332.1
30°	663.4	647.9	514.9	438.4	359.6	298.1	281.8	279.7	280.7	309.6	311.5
32.5°	721.7	681.6	551.1	414.4	329.0	278.8	260.1	260.9	265.6	286.6	291.0
35°	782.5	758.5	555.9	397.2	304.2	258.3	250.7	244.6	247.2	265.6	266.5
37.5°	895.3	812.5	585.8	370.7	285.9	250.5	235.9	230.6	232.0	242.4	249.8
40°	994.6	921.0	571.9	345.0	263.4	240.1	221.9	217.9	213.7	224.0	228.7
42.5°	1153.9	998.5	567.2	316.7	252.8	226.0	213.5	203.0	199.0	207.6	216.2
45°	1313.1	1080.6	541.7	288.0	237.9	225.0	201.4	191.3	192.4	200.2	208.9
47.5°	1490.5	1190.8	498.5	260.3	221.5	220.0	189.2	184.9	188.0	196.7	205.4
50°	1700.2	1307.8	462.7	235.2	209.9	204.9	187.7	182.5	185.4	195.7	204.2
52.5°	1929.6	1436.1	436.6	212.2	196.7	192.9	189.8	184.7	188.2	197.1	205.9
55°	2157.5	1553.3	418.9	196.4	185.4	187.9	194.1	190.5	192.2	198.8	207.6
57.5°	2326.6	1615.1	383.3	179.5	176.2	184.9	194.6	188.5	189.6	198.8	208.3
60°	2424.9	1627.0	324.8	165.8	168.9	179.0	189.2	181.4	180.7	195.8	207.8
62.5°	2414.1	1558.4	257.6	153.3	160.6	170.1	181.1	173.6	175.5	196.2	208.9
65°	2260.0	1418.3	204.9	142.7	150.5	160.4	174.3	171.4	180.6	210.1	223.8
67.5°	1989.1	1213.6	164.6	132.8	141.1	153.8	179.0	186.8	190.8	224.3	238.4
70°	1612.0	942.9	137.2	124.1	133.7	156.9	192.5	191.0	187.7	217.5	228.7
72.5°	1164.6	646.4	120.7	115.6	124.5	147.6	192.9	184.6	180.4	198.6	206.6
75°	728.7	385.6	105.4	104.9	110.4	132.3	184.2	176.7	165.5	174.5	184.9
77.5°	416.2	197.4	88.7	93.4	96.7	114.8	164.9	158.2	148.1	151.9	162.2
80°	158.9	95.5	74.8	83.0	82.1	97.2	139.8	138.2	126.7	128.0	134.2
82.5°	74.8	53.5	62.2	71.4	66.7	77.4	113.5	113.0	103.0	93.2	98.3
85°	27.8	28.5	45.5	54.3	46.4	50.0	82.1	79.9	70.1	59.2	65.5
87.5°	6.3	10.2	22.4	28.3	16.1	15.5	33.2	28.8	27.8	16.5	17.4
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)