

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: P598428

Luminaire Tested: **PMM-SA3A-835-U-T3**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P598428
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-SA3A-835-U-T3
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9656 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 96
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

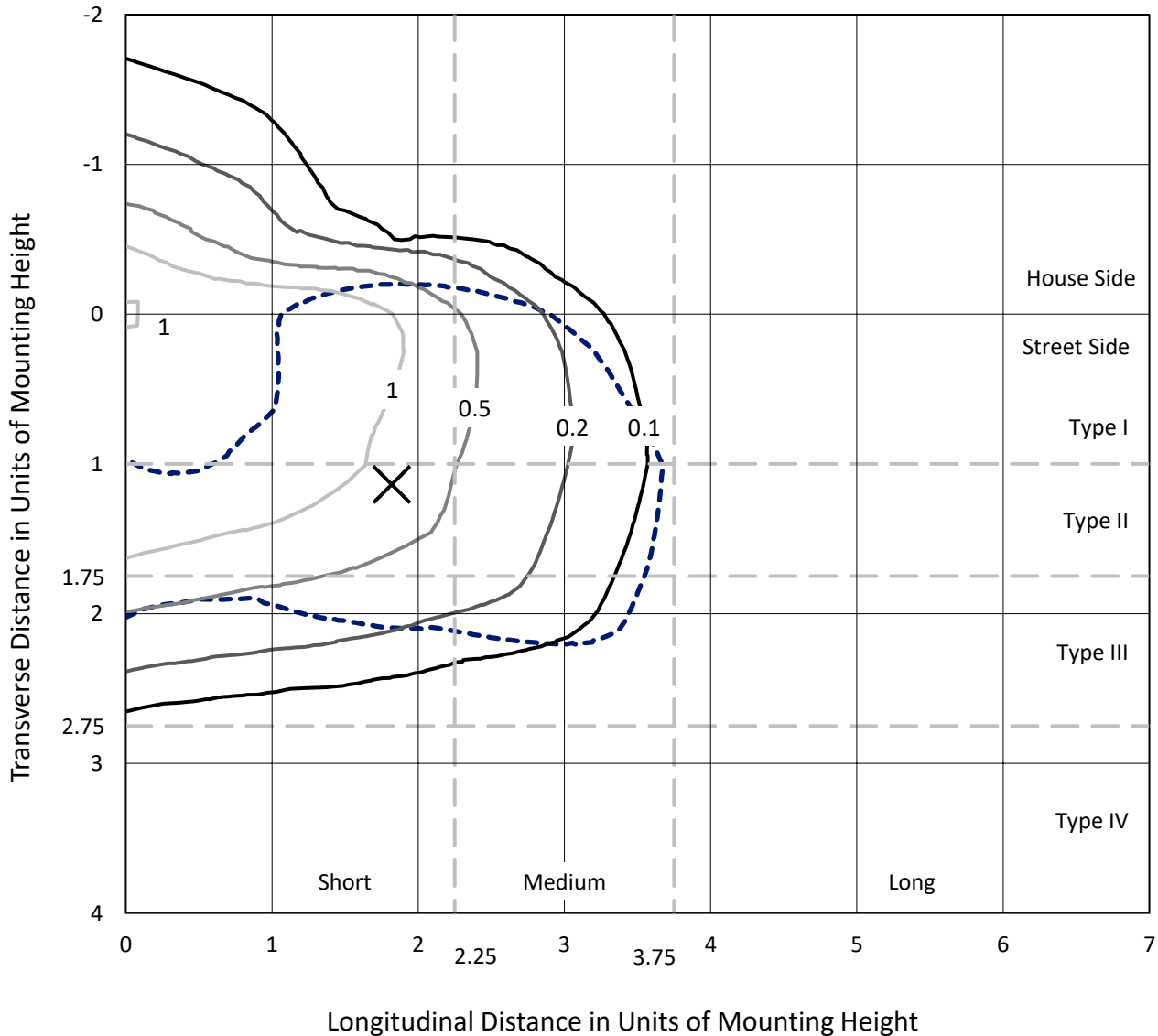


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Iso-Footcandle Lines of Horizontal Illumination

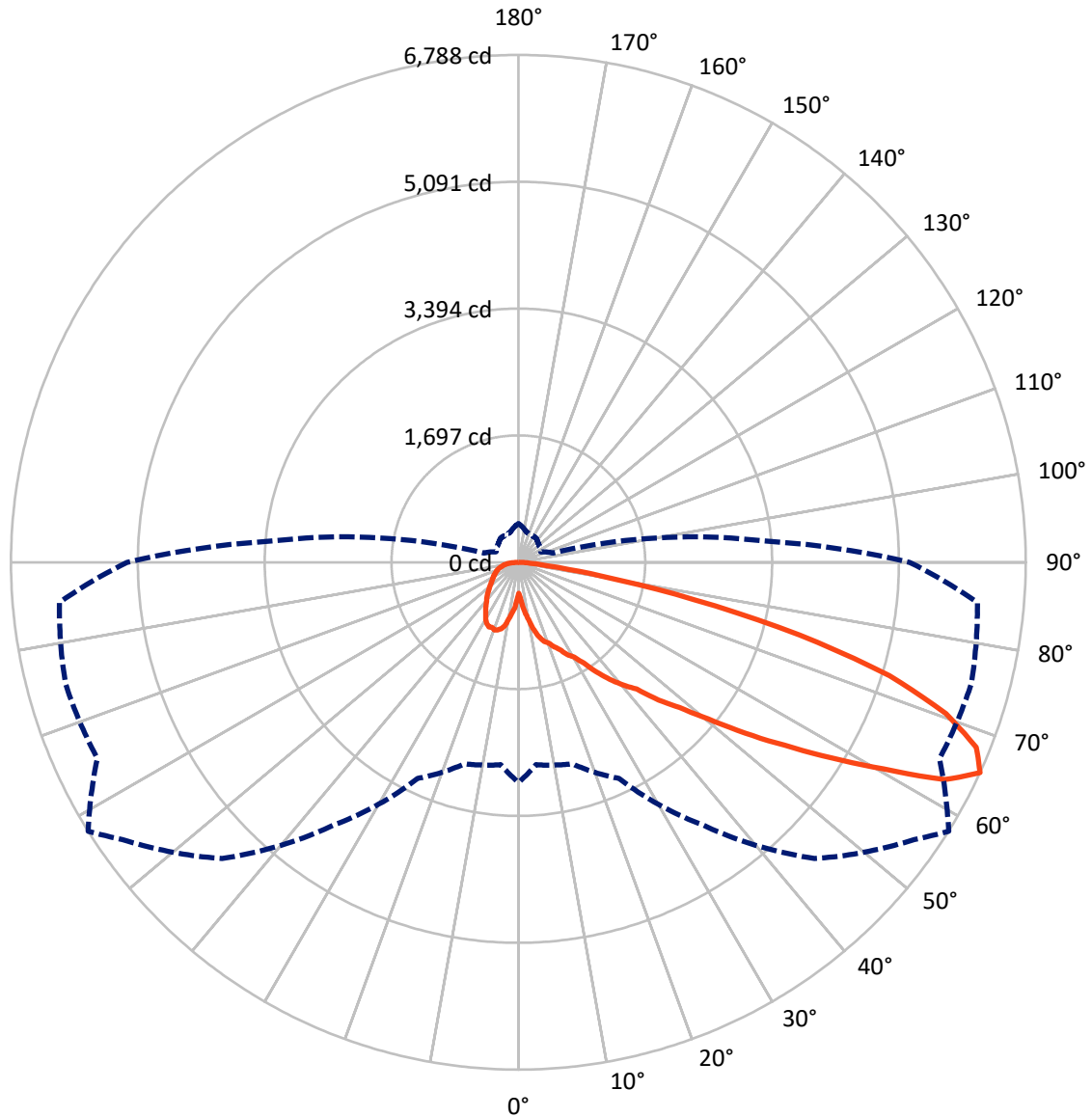
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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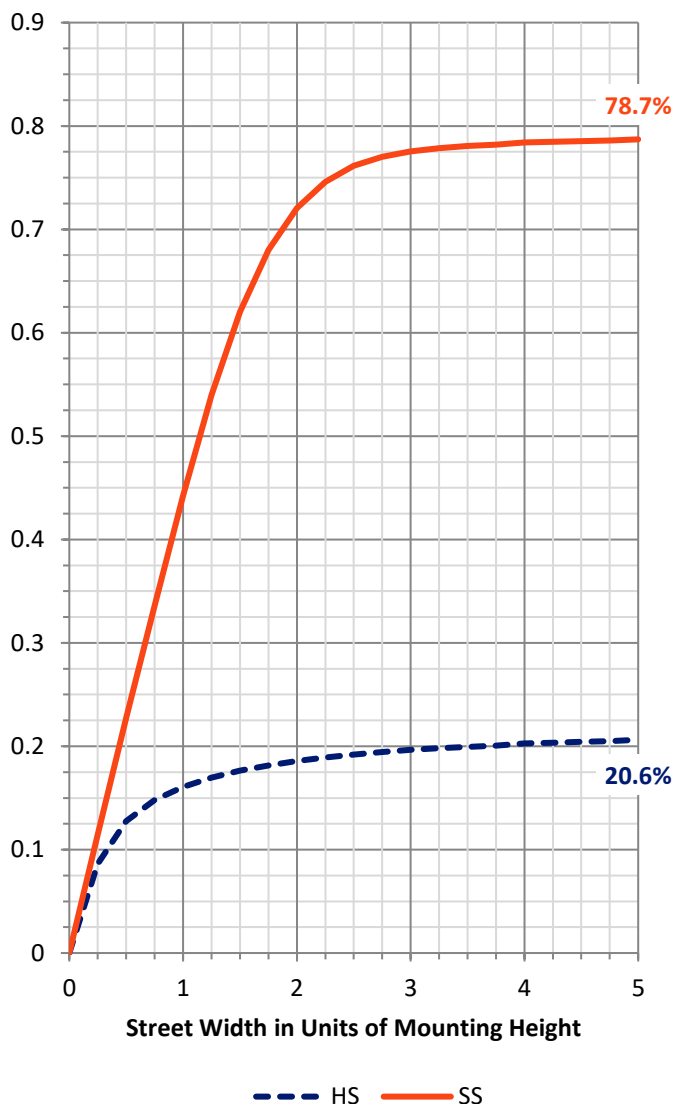
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2033.8	0.0	2033.8
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	7622.2	0.0	7622.2
	% Fixture	78.9	0.0	78.9
Total	Lumens	9656.0	0.0	9656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	0.7
10°-20°	275.6	2.9
20°-30°	528.8	5.5
30°-40°	873.0	9.0
40°-50°	1451.0	15.0
50°-60°	2396.3	24.8
60°-70°	2688.2	27.8
70°-80°	1222.3	12.7
80°-90°	157.6	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°	9656.0	100.0
0°-180°	9656.0	100.0

Coefficient of Utilization



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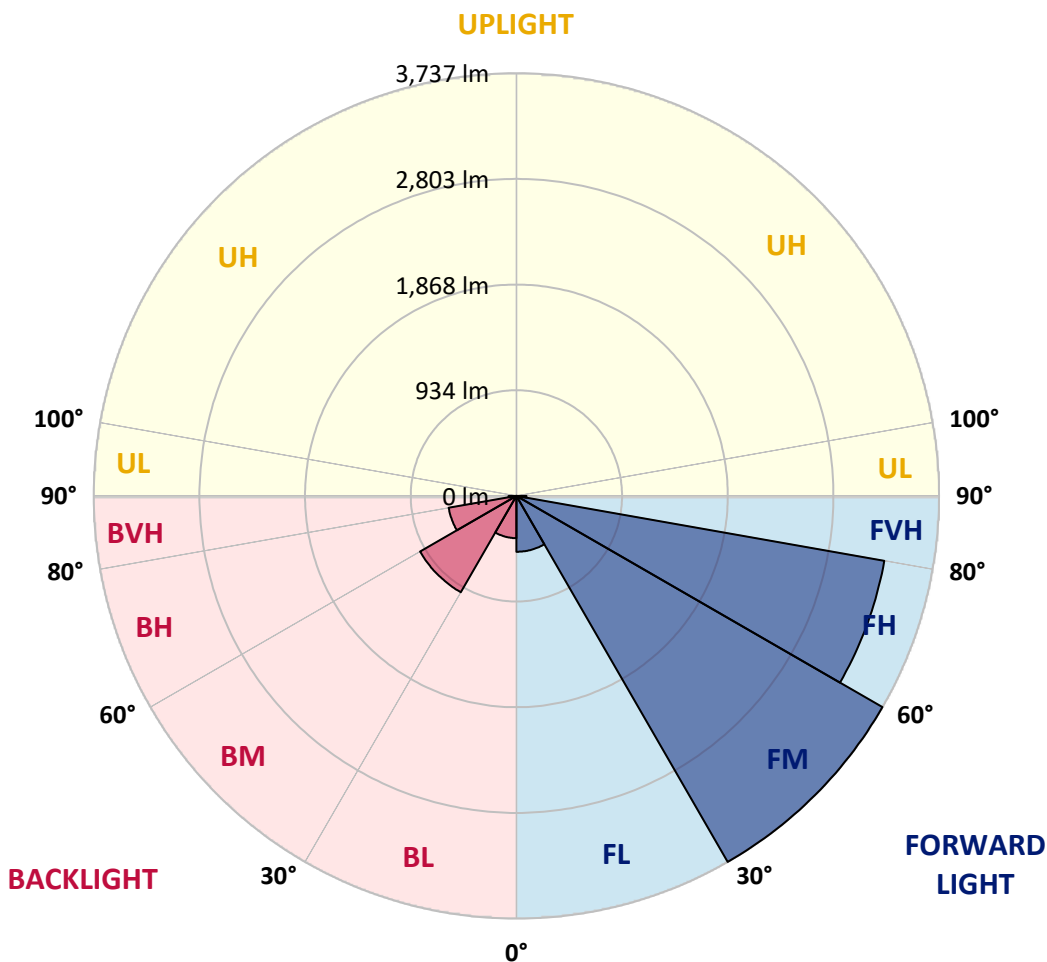
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.1	5.1			
FM (30°-60°)	3736.7	38.7			
FH (60°-80°)	3302.6	34.2			G2/5000
FVH (80°-90°)	88.8	0.9			G1/100
BL (0°-30°)	373.4	3.9	B1/500		
BM (30°-60°)	983.6	10.2	B1/1000		
BH (60°-80°)	608.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	68.9	0.7			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°	58°	65°	75°	85°
0°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6
2.5°	495.0	480.1	455.2	461.2	475.7	483.7	478.9	472.5	464.0	462.4	499.4
5°	641.0	612.4	600.8	595.9	578.2	567.8	585.9	583.5	593.1	610.8	647.0
7.5°	747.5	727.4	708.1	706.1	671.9	659.9	684.0	696.9	714.2	714.6	763.6
10°	804.6	787.3	786.9	768.9	766.0	789.0	789.4	799.0	801.0	821.5	811.9
12.5°	866.6	865.4	887.5	887.1	912.8	950.6	931.7	931.7	937.3	912.4	943.0
15°	1014.1	1027.0	985.6	992.4	992.4	1029.4	1028.2	1035.5	1052.7	1046.3	1032.6
17.5°	1167.8	1175.8	1130.0	1087.3	1090.5	1082.5	1111.5	1114.3	1097.8	1172.6	1156.1
20°	1266.7	1298.0	1201.5	1148.0	1158.5	1167.8	1169.0	1151.7	1143.2	1258.2	1235.7
22.5°	1388.9	1362.4	1273.9	1214.8	1230.5	1218.0	1215.6	1228.9	1240.5	1284.0	1320.6
25°	1470.5	1468.5	1362.4	1297.6	1280.3	1276.7	1301.3	1296.0	1323.8	1402.6	1379.7
27.5°	1589.2	1626.2	1438.0	1454.1	1378.1	1298.0	1376.9	1400.6	1450.4	1437.6	1488.6
30°	1819.2	1791.4	1594.8	1590.4	1504.3	1437.2	1491.9	1471.8	1561.4	1558.6	1596.4
32.5°	2007.0	2026.3	1779.0	1732.7	1668.8	1588.0	1551.8	1607.7	1655.9	1735.1	1756.5
35°	2205.6	2201.2	1967.6	1874.3	1768.5	1735.1	1779.8	1803.1	1905.6	1978.4	1927.8
37.5°	2514.4	2479.5	2212.1	2035.5	1956.3	1944.2	2020.6	1986.9	2097.9	2115.1	2143.7
40°	2801.6	2696.2	2435.6	2233.4	2107.5	2152.5	2155.0	2159.4	2218.9	2265.9	2407.1
42.5°	3074.6	3000.6	2662.8	2510.8	2325.5	2281.6	2309.0	2318.2	2468.6	2564.7	2760.1
45°	3447.8	3249.5	2989.4	2833.3	2625.8	2569.9	2550.6	2630.3	2775.4	2994.2	3161.9
47.5°	3763.4	3584.5	3336.4	3130.9	2898.9	3058.5	2949.1	2904.5	3099.5	3370.6	3637.6
50°	4025.2	3828.2	3584.9	3466.3	3429.3	3571.6	3287.7	3293.0	3471.5	3853.9	4159.9
52.5°	4227.9	4017.6	3802.0	3741.7	3948.4	4030.4	3825.4	3794.4	3924.7	4376.7	4744.2
55°	4417.3	4194.1	4027.6	4150.7	4498.9	4508.2	4493.7	4322.0	4478.8	4936.8	5349.0
57.5°	4465.9	4225.5	4114.9	4291.4	4762.3	5128.6	5272.6	4935.6	5095.2	5446.3	5866.9
60°	4215.4	4009.5	3965.3	4205.0	4904.6	5440.3	5816.2	5614.8	5554.9	5855.3	6229.6
62.5°	3702.3	3463.5	3499.2	3832.2	4754.7	5563.7	6245.7	6402.9	6040.2	6180.6	6388.1
65°	2946.7	2718.7	2791.1	3191.6	4283.8	5604.7	6465.3	6787.8	6215.6	6272.7	6163.7
67.5°	2078.2	1871.1	1962.3	2480.3	3563.6	5079.6	6503.1	6608.4	6029.0	6010.1	5550.8
70°	1177.4	1047.5	1146.4	1578.3	2515.3	4046.5	6206.7	6068.0	5694.4	5426.6	4644.5
72.5°	540.0	495.4	542.9	803.4	1448.0	2692.6	5067.1	5193.0	4906.7	4571.7	3533.4
75°	287.1	271.4	291.5	401.3	677.6	1464.9	3600.2	3883.3	3730.9	3467.5	2304.9
77.5°	213.5	201.5	211.1	260.2	361.9	573.0	2045.6	2402.7	2460.6	2218.1	1279.9
80°	163.7	154.0	163.7	196.6	250.5	272.2	874.6	1119.9	1275.5	1030.6	508.7
82.5°	121.4	115.0	129.9	147.6	176.1	170.1	310.4	386.4	498.2	340.6	198.2
85°	96.5	88.5	94.1	100.1	112.6	93.3	141.9	158.8	168.1	140.7	73.2
87.5°	37.8	35.0	68.4	53.9	45.8	28.1	42.6	48.3	49.5	47.5	21.3
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°	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6	414.6
2.5°	503.5	499.4	475.7	483.3	495.8	498.2	503.5	489.0	481.7	508.3	509.5
5°	650.2	628.5	617.3	618.5	610.4	598.0	616.9	629.3	634.1	653.8	661.1
7.5°	764.0	737.9	719.0	697.3	666.7	647.0	680.0	704.1	717.0	758.0	774.1
10°	814.7	793.8	789.8	762.4	761.6	761.2	759.6	751.2	778.9	774.9	786.1
12.5°	919.2	914.8	876.6	865.8	867.0	865.8	832.0	830.4	830.8	867.8	854.5
15°	1016.6	1017.4	982.4	943.0	907.6	896.7	883.5	877.4	886.3	907.2	894.3
17.5°	1136.8	1140.8	1040.7	978.4	931.7	930.5	898.7	861.3	915.2	928.1	914.0
20°	1214.4	1197.5	1074.5	969.9	956.6	920.5	881.0	829.6	876.2	907.6	916.4
22.5°	1288.0	1258.6	1105.8	984.8	921.3	878.2	840.0	806.7	821.5	856.5	850.9
25°	1337.8	1329.8	1149.3	1020.6	920.0	824.3	772.9	751.6	759.2	813.5	808.3
27.5°	1456.9	1370.0	1141.6	1029.8	881.4	750.8	725.0	702.1	694.5	753.2	769.3
30°	1536.5	1500.7	1192.7	1015.4	832.8	690.4	652.6	647.8	650.2	717.0	721.4
32.5°	1671.6	1578.7	1276.3	959.9	762.0	645.8	602.4	604.4	615.2	663.9	674.0
35°	1812.3	1756.9	1287.6	920.0	704.5	598.4	580.7	566.6	572.6	615.2	617.3
37.5°	2073.7	1881.9	1356.7	858.5	662.3	580.3	546.5	534.0	537.2	561.4	578.6
40°	2303.7	2133.2	1324.6	799.0	610.0	556.1	513.9	504.7	495.0	518.7	529.6
42.5°	2672.5	2312.6	1313.7	733.5	585.5	523.6	494.6	470.1	460.8	480.9	500.6
45°	3041.2	2502.8	1254.6	667.1	550.9	521.1	466.5	443.1	445.5	463.6	483.7
47.5°	3452.2	2758.1	1154.5	602.8	513.1	509.5	438.3	428.3	435.5	455.6	475.7
50°	3938.0	3029.2	1071.6	544.9	486.2	474.5	434.7	422.6	429.5	453.2	472.9
52.5°	4469.1	3326.3	1011.3	491.4	455.6	446.8	439.5	427.9	435.9	456.4	476.9
55°	4997.1	3597.8	970.3	454.8	429.5	435.1	449.6	441.1	445.1	460.4	480.9
57.5°	5388.8	3740.9	887.9	415.8	408.2	428.3	450.8	436.7	439.1	460.4	482.5
60°	5616.4	3768.3	752.4	384.0	391.3	414.6	438.3	420.2	418.6	453.6	481.3
62.5°	5591.5	3609.4	596.7	355.1	372.0	394.1	419.4	402.1	406.5	454.4	483.7
65°	5234.4	3284.9	474.5	330.5	348.6	371.6	403.7	396.9	418.2	486.6	518.3
67.5°	4607.1	2810.8	381.2	307.6	326.9	356.3	414.6	432.7	441.9	519.5	552.1
70°	3733.7	2183.9	317.7	287.5	309.6	363.5	445.9	442.3	434.7	503.9	529.6
72.5°	2697.4	1497.1	279.5	267.8	288.3	341.8	446.8	427.5	417.8	460.0	478.5
75°	1687.7	893.1	244.1	242.9	255.7	306.4	426.6	409.4	383.2	404.1	428.3
77.5°	963.9	457.2	205.5	216.3	224.0	265.8	382.0	366.3	343.0	351.9	375.6
80°	367.9	221.2	173.3	192.2	190.2	225.2	323.7	320.1	293.5	296.4	310.8
82.5°	173.3	123.9	144.0	165.3	154.4	179.3	263.0	261.8	238.5	215.9	227.6
85°	64.3	65.9	105.4	125.9	107.4	115.8	190.2	185.0	162.5	137.1	151.6
87.5°	14.5	23.7	51.9	65.5	37.4	35.8	76.8	66.8	64.3	38.2	40.2
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)