

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: P200581

Luminaire Tested: **GAP-AF-01-LED-U-RW-8030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-RW-8030-800
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4284 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B2 - U0 - G1

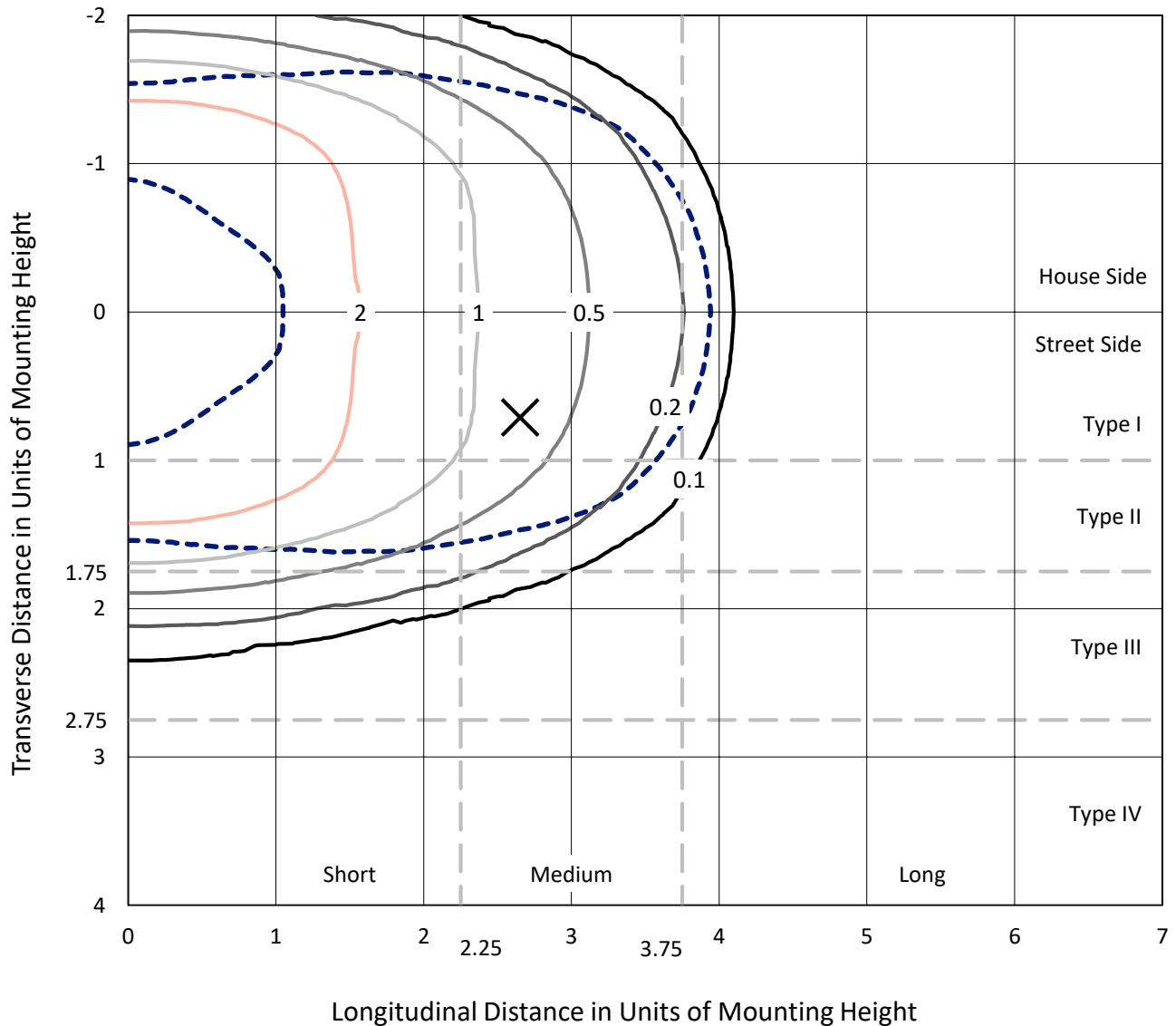
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

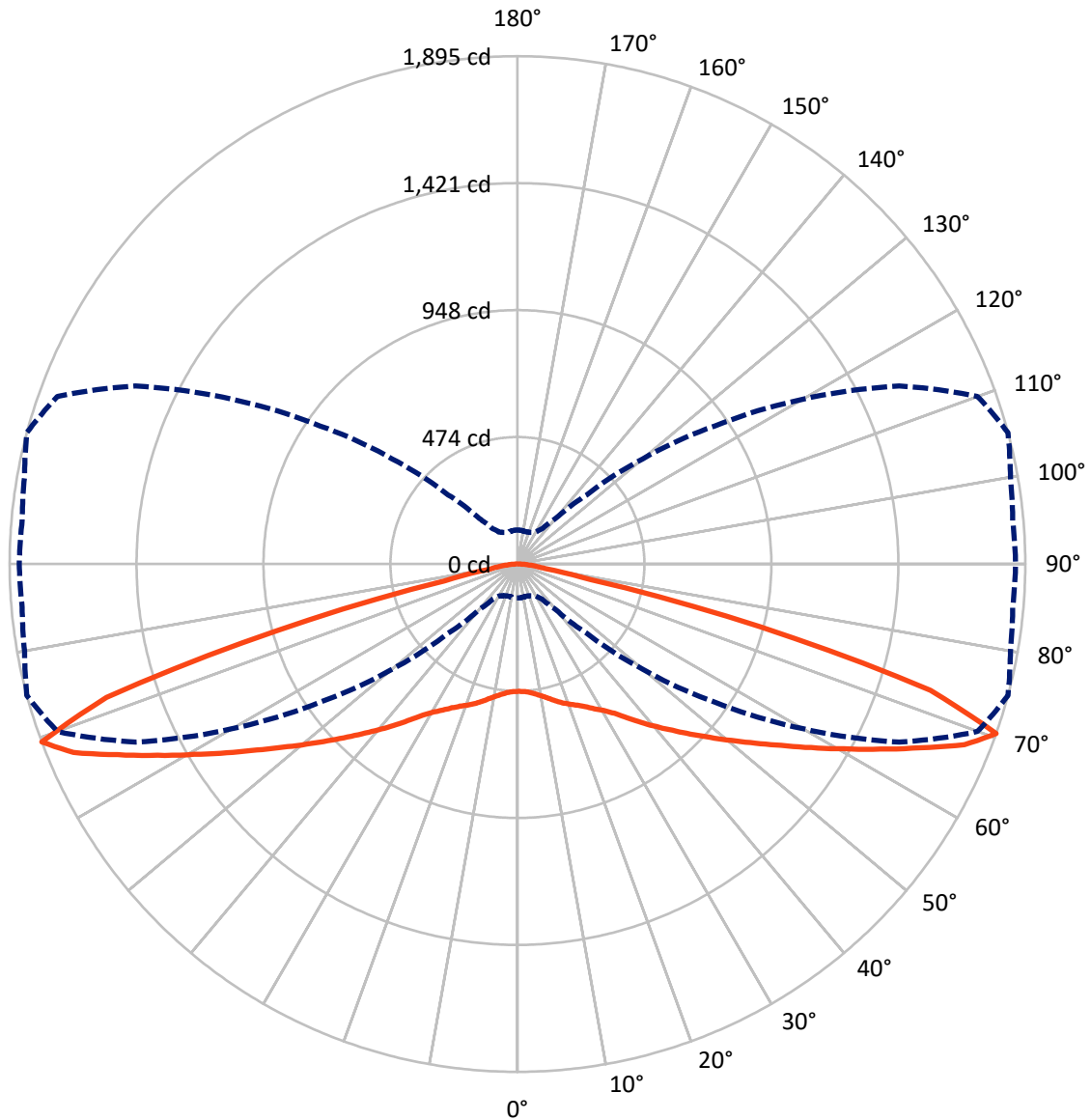
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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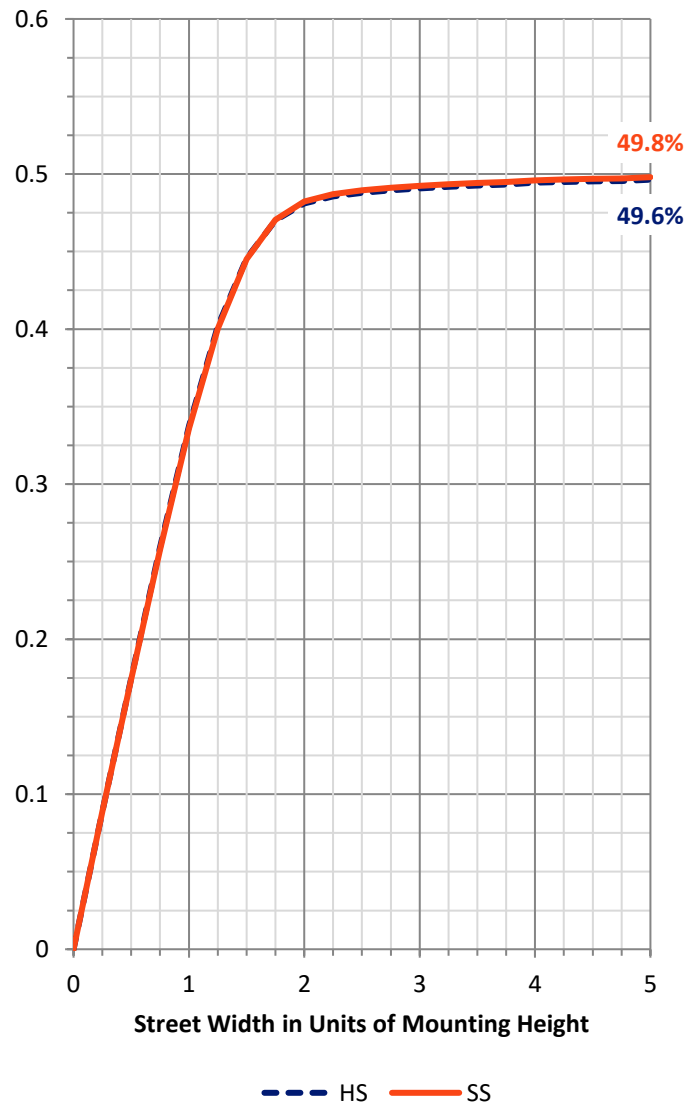
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2142.0	0.0	2142.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2142.0	0.0	2142.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4284.0	0.0	4284.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.1
10°-20°	141.6	3.3
20°-30°	266.5	6.2
30°-40°	472.0	11.0
40°-50°	789.3	18.4
50°-60°	1099.9	25.7
60°-70°	1020.0	23.8
70°-80°	406.5	9.5
80°-90°	42.7	1.0
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°	4284.0	100.0
0°-180°	4284.0	100.0



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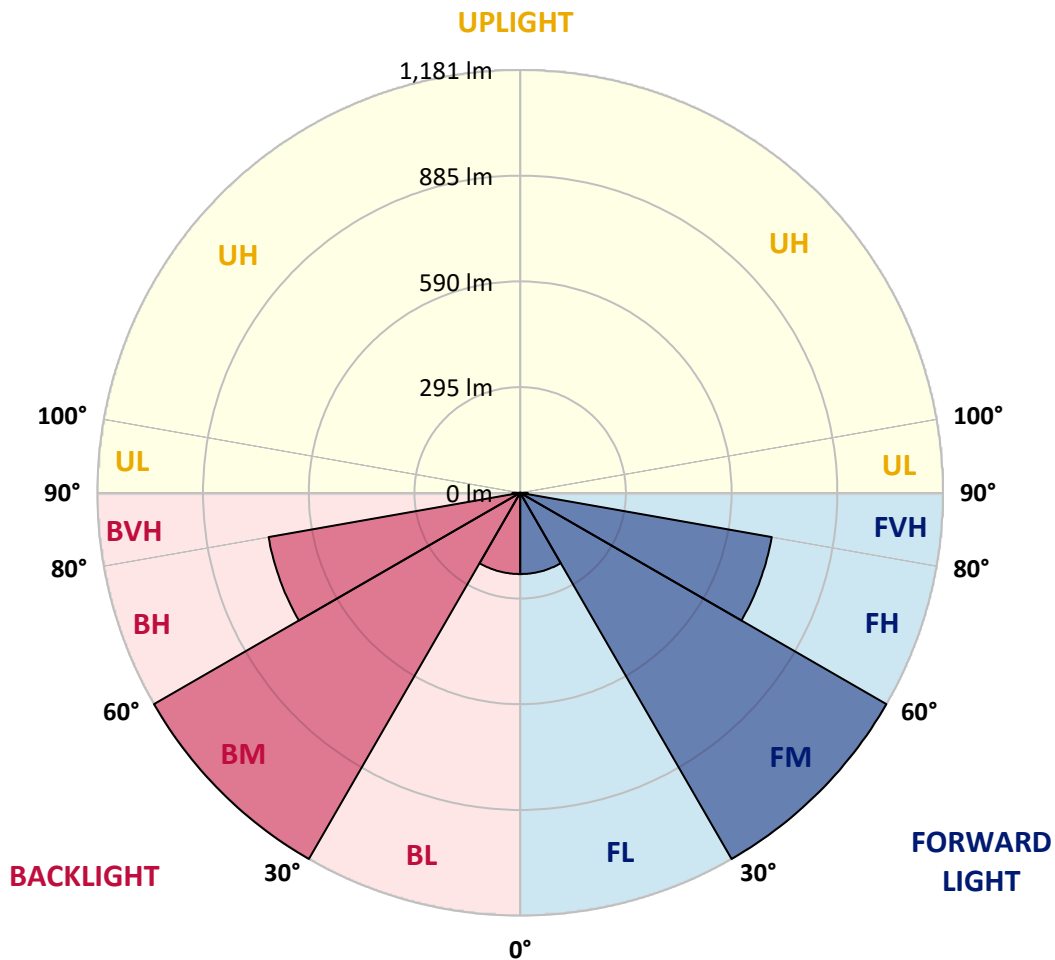
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.9	5.3			
FM (30°-60°)	1180.6	27.6			
FH (60°-80°)	713.2	16.6			G1/1800
FVH (80°-90°)	21.4	0.5			G1/100
BL (0°-30°)	226.9	5.3	B1/500		
BM (30°-60°)	1180.6	27.6	B2/2500		
BH (60°-80°)	713.2	16.6	B2/1000		G1/1800
BVH (80°-90°)	21.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2
2.5°	474.4	474.0	474.4	474.2	474.6	474.6	475.0	475.8	475.8	476.4	476.2
5°	469.7	469.5	470.1	470.7	471.3	472.6	473.8	475.6	477.0	478.0	479.0
7.5°	460.6	460.6	461.4	462.8	464.3	466.9	469.7	473.4	477.0	480.1	482.7
10°	453.1	453.5	454.5	457.0	459.4	463.5	467.3	472.6	477.6	482.7	486.7
12.5°	448.7	449.3	451.1	454.7	458.8	464.3	470.1	476.8	482.5	488.6	492.6
15°	450.1	450.5	453.1	457.6	462.8	469.7	477.6	485.5	492.2	498.7	504.1
17.5°	458.0	458.6	461.6	466.7	472.2	480.3	488.8	497.7	506.0	513.3	519.9
20°	472.2	472.8	476.6	482.1	488.6	496.9	505.4	514.7	524.0	531.7	539.2
22.5°	492.2	493.2	496.9	502.3	509.6	518.5	528.6	538.6	547.5	554.6	561.2
25°	518.5	520.8	524.2	530.3	538.0	546.1	557.0	567.1	575.6	582.3	587.2
27.5°	555.8	558.8	561.4	567.3	574.8	582.5	593.4	602.3	610.4	616.9	620.6
30°	605.2	608.2	610.8	616.5	623.4	630.7	641.0	648.9	654.0	659.0	658.8
32.5°	665.1	668.4	669.4	675.4	682.5	690.4	699.7	704.2	708.2	708.8	705.2
35°	732.1	733.7	737.8	745.9	754.0	760.5	769.4	771.6	771.6	768.6	760.5
37.5°	805.6	806.6	812.3	821.4	829.7	836.4	842.5	846.9	844.7	838.2	824.7
40°	886.2	888.0	896.1	904.2	913.5	919.8	926.3	927.1	924.9	915.4	896.9
42.5°	963.1	964.8	972.9	985.6	997.8	1006.5	1012.5	1013.8	1006.7	998.0	975.1
45°	1029.4	1033.6	1044.1	1059.1	1076.7	1089.1	1097.4	1100.8	1094.5	1083.2	1056.7
47.5°	1081.8	1086.0	1101.0	1118.8	1140.7	1160.8	1174.5	1181.8	1180.2	1171.7	1142.7
50°	1120.3	1124.3	1140.5	1162.4	1187.9	1212.8	1236.3	1253.7	1259.8	1255.9	1229.4
52.5°	1124.7	1131.4	1150.4	1179.8	1213.0	1247.0	1280.4	1310.0	1330.0	1333.1	1313.4
55°	1062.6	1069.2	1095.6	1139.1	1188.5	1244.0	1297.4	1347.2	1386.7	1407.0	1396.6
57.5°	916.0	927.9	955.7	1006.7	1079.4	1162.4	1247.6	1336.1	1416.5	1470.1	1480.5
60°	702.0	716.1	744.1	798.3	879.3	978.3	1092.1	1222.9	1364.8	1485.5	1557.6
62.5°	450.3	463.7	493.0	540.2	606.2	713.5	835.6	990.9	1181.6	1372.1	1543.8
65°	231.4	238.7	254.1	282.6	334.1	414.3	523.8	678.7	896.7	1131.8	1380.0
67.5°	146.6	148.0	151.4	155.5	168.7	196.4	247.4	344.0	523.4	768.6	1059.1
70°	126.7	126.7	125.1	124.5	126.1	130.0	137.9	160.4	220.9	364.8	610.8
72.5°	116.0	114.8	112.0	109.7	109.3	109.3	111.0	114.4	124.1	148.6	239.1
75°	106.9	103.5	99.6	97.0	96.0	95.0	94.8	95.4	97.4	101.2	114.2
77.5°	95.8	91.3	86.9	84.2	83.0	81.6	80.4	79.0	78.0	79.2	84.8
80°	82.4	77.3	73.9	72.3	71.1	69.0	66.4	64.0	61.8	61.3	64.8
82.5°	66.4	60.5	60.7	61.3	59.1	56.3	53.5	50.8	47.0	44.9	47.0
85°	53.7	50.6	49.2	53.0	49.8	45.6	41.1	36.4	30.4	25.5	27.7
87.5°	20.9	20.9	31.2	48.0	43.1	35.2	30.2	25.7	16.0	12.4	12.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	475.2	475.2	475.2	475.2	475.2	475.2	475.2	475.2
2.5°	476.0	476.4	476.2	476.0	476.0	475.8	476.0	476.0
5°	479.6	480.7	480.7	481.1	481.1	481.3	481.5	481.3
7.5°	485.1	486.9	488.2	489.6	489.8	490.0	490.4	490.0
10°	490.6	494.2	496.9	499.5	500.7	501.1	501.5	501.5
12.5°	497.5	502.5	507.2	511.8	514.1	515.3	515.3	516.1
15°	508.8	513.9	519.3	525.6	529.5	531.5	532.1	532.1
17.5°	524.8	529.3	533.9	540.0	544.8	547.5	548.1	547.9
20°	543.4	547.7	550.3	554.2	558.4	561.4	562.3	562.3
22.5°	564.7	567.1	567.5	568.7	572.2	576.2	578.0	578.5
25°	588.2	588.8	587.2	587.2	589.4	593.2	595.1	595.3
27.5°	618.5	615.5	611.5	610.0	611.5	615.9	618.1	618.9
30°	656.4	649.1	639.8	634.7	633.9	639.8	643.9	644.5
32.5°	699.7	689.2	676.9	666.5	663.9	667.5	672.4	672.2
35°	751.2	738.6	723.6	710.5	704.4	708.0	714.9	715.7
37.5°	810.5	794.1	776.9	760.3	750.8	751.8	759.1	761.5
40°	876.7	855.4	833.8	811.5	797.9	795.3	804.2	805.6
42.5°	947.6	920.2	892.9	865.4	847.9	843.9	854.2	853.6
45°	1023.1	988.3	956.3	925.9	905.2	899.2	907.7	907.7
47.5°	1104.3	1061.3	1023.3	988.9	966.4	957.7	965.8	966.4
50°	1190.3	1144.8	1100.0	1061.7	1034.8	1023.7	1034.2	1035.8
52.5°	1276.0	1231.6	1186.5	1142.7	1110.1	1096.6	1108.7	1114.0
55°	1362.8	1319.3	1276.2	1233.4	1194.8	1178.8	1191.7	1198.4
57.5°	1454.5	1414.2	1373.1	1330.0	1292.8	1267.9	1281.6	1290.5
60°	1562.1	1527.6	1484.9	1437.3	1399.7	1374.4	1382.3	1390.2
62.5°	1647.1	1660.5	1624.2	1569.1	1520.7	1488.4	1496.0	1504.3
65°	1606.0	1743.1	1775.3	1719.6	1652.6	1602.1	1598.9	1603.2
67.5°	1342.4	1608.6	1802.8	1855.8	1799.7	1729.7	1716.7	1723.0
70°	898.0	1229.6	1572.2	1827.3	1895.1	1868.0	1855.2	1859.1
72.5°	431.3	716.1	1066.6	1405.7	1612.3	1707.0	1737.4	1752.2
75°	157.7	284.3	514.1	774.6	935.2	1082.6	1178.8	1218.1
77.5°	95.2	114.8	164.2	247.2	280.0	313.4	300.5	306.9
80°	70.5	79.6	90.1	101.2	104.9	104.9	100.8	97.6
82.5°	49.4	55.3	60.3	66.4	68.0	65.0	53.5	42.5
85°	31.8	34.4	36.6	40.5	39.5	37.7	25.3	22.5
87.5°	14.6	16.6	17.4	19.2	18.4	17.6	12.6	10.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)