

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: P200603

Luminaire Tested: **GAP-AF-01-LED-U-SL3-8030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
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-SL3-8030-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2920 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 34
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

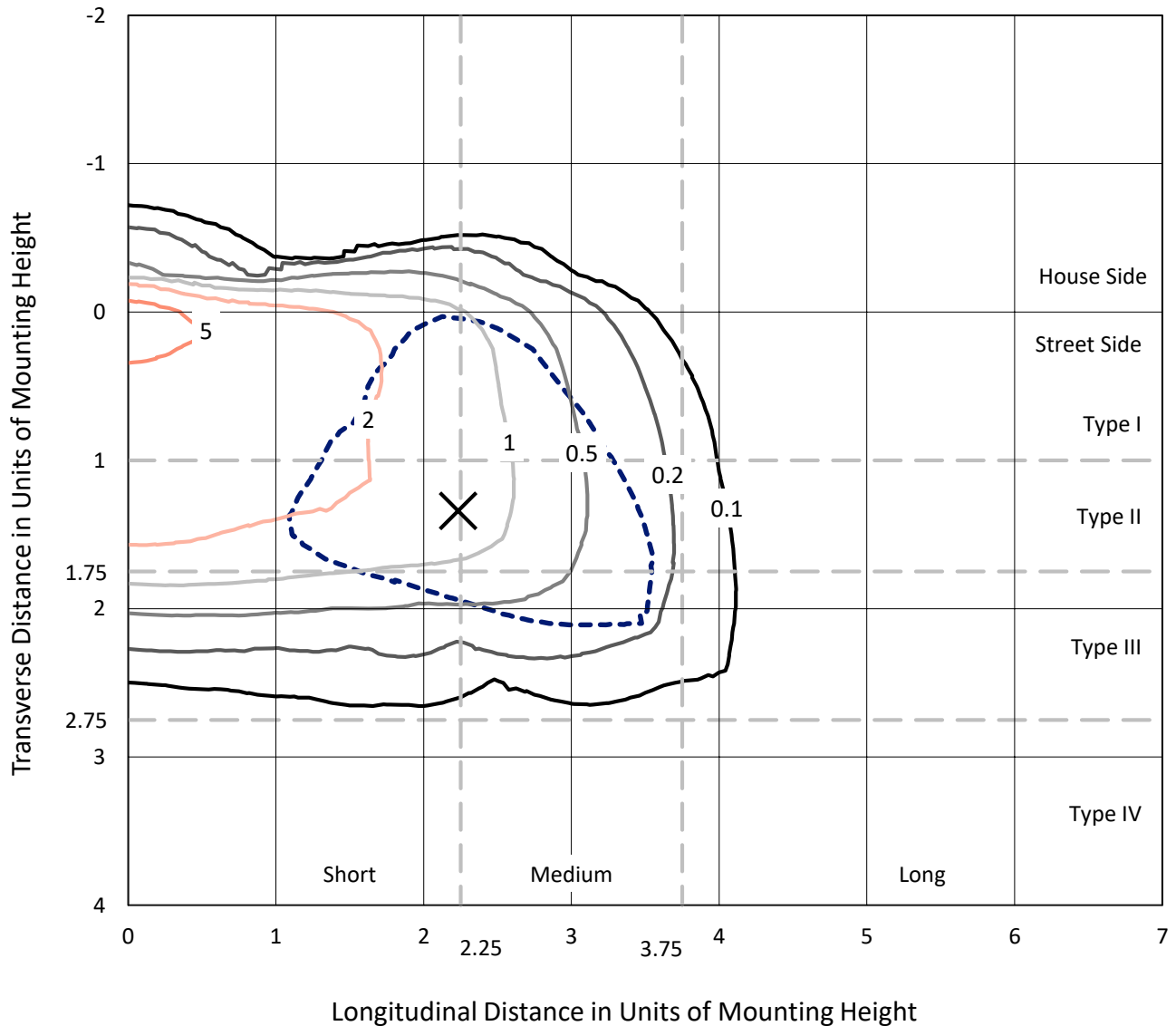


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

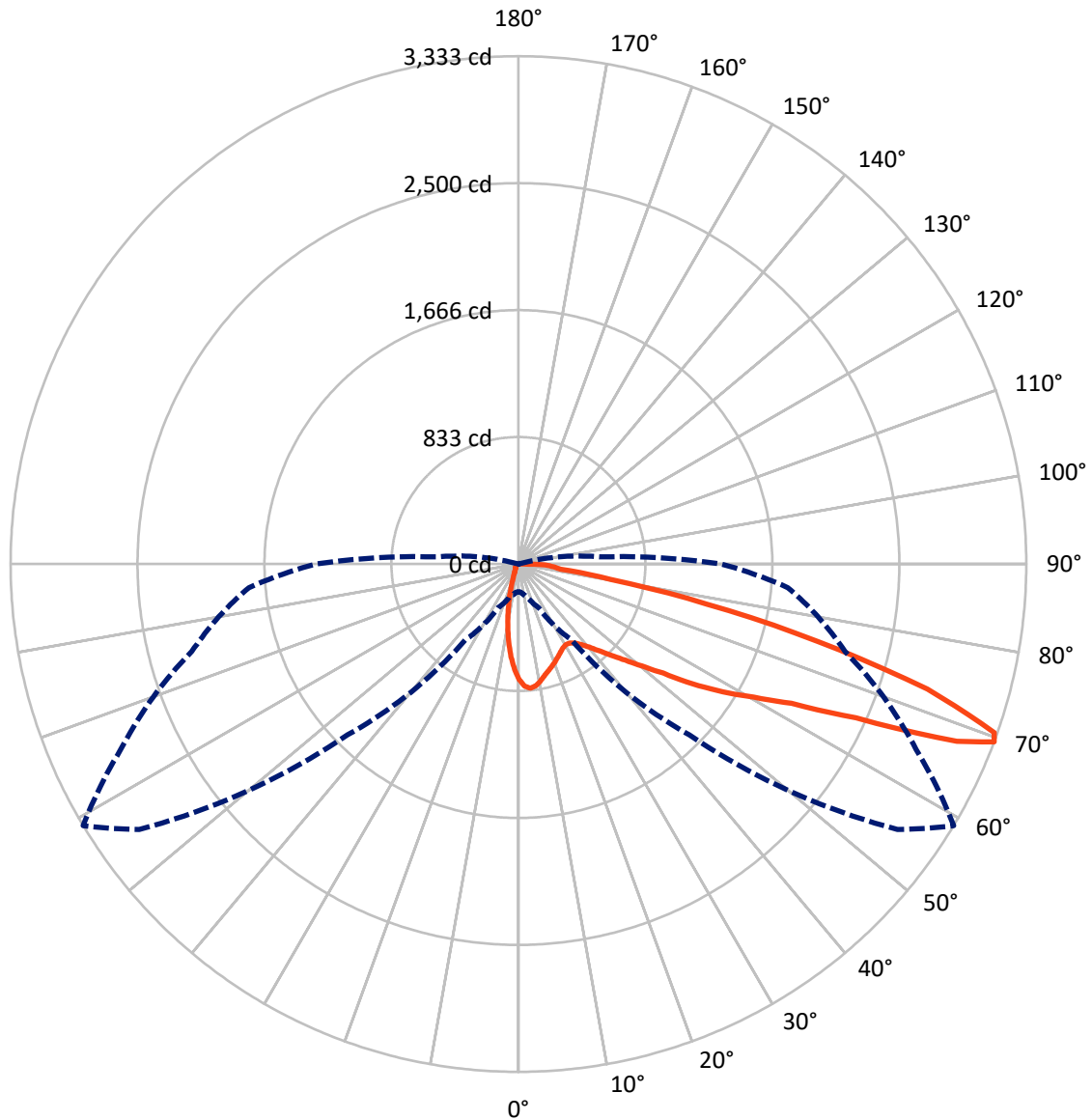


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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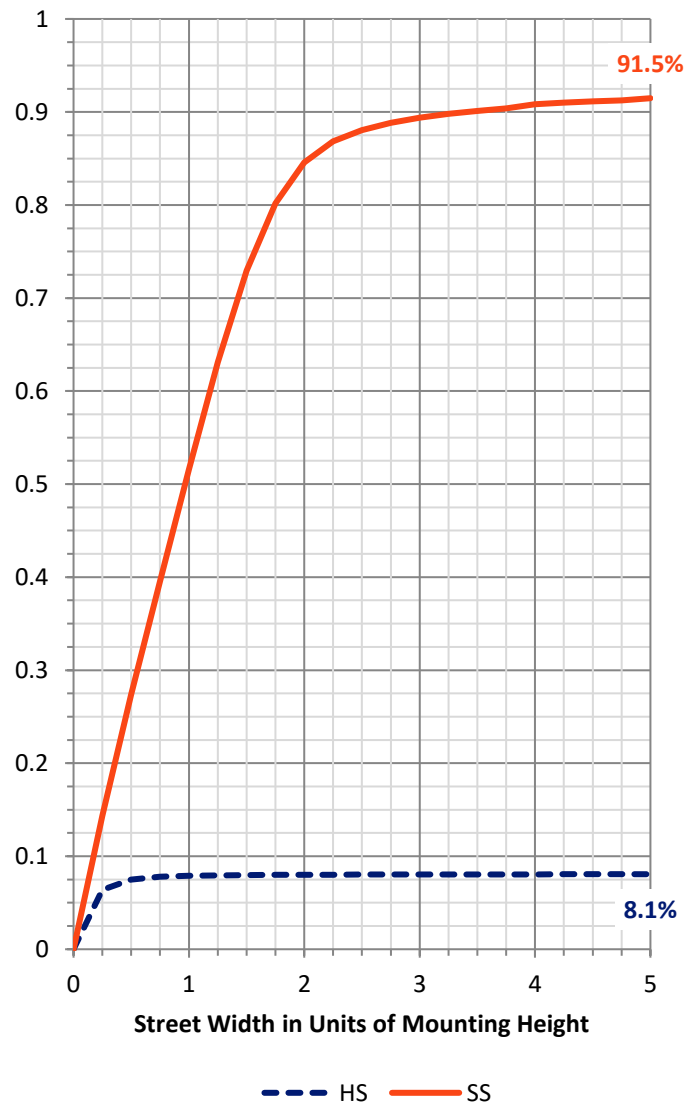
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	237.8	0.0	237.8
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2682.2	0.0	2682.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	2920.0	0.0	2920.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	2.1
10°-20°	127.5	4.4
20°-30°	171.5	5.9
30°-40°	249.1	8.5
40°-50°	414.7	14.2
50°-60°	646.9	22.2
60°-70°	800.5	27.4
70°-80°	405.7	13.9
80°-90°	42.4	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°	2920.0	100.0
0°-180°	2920.0	100.0



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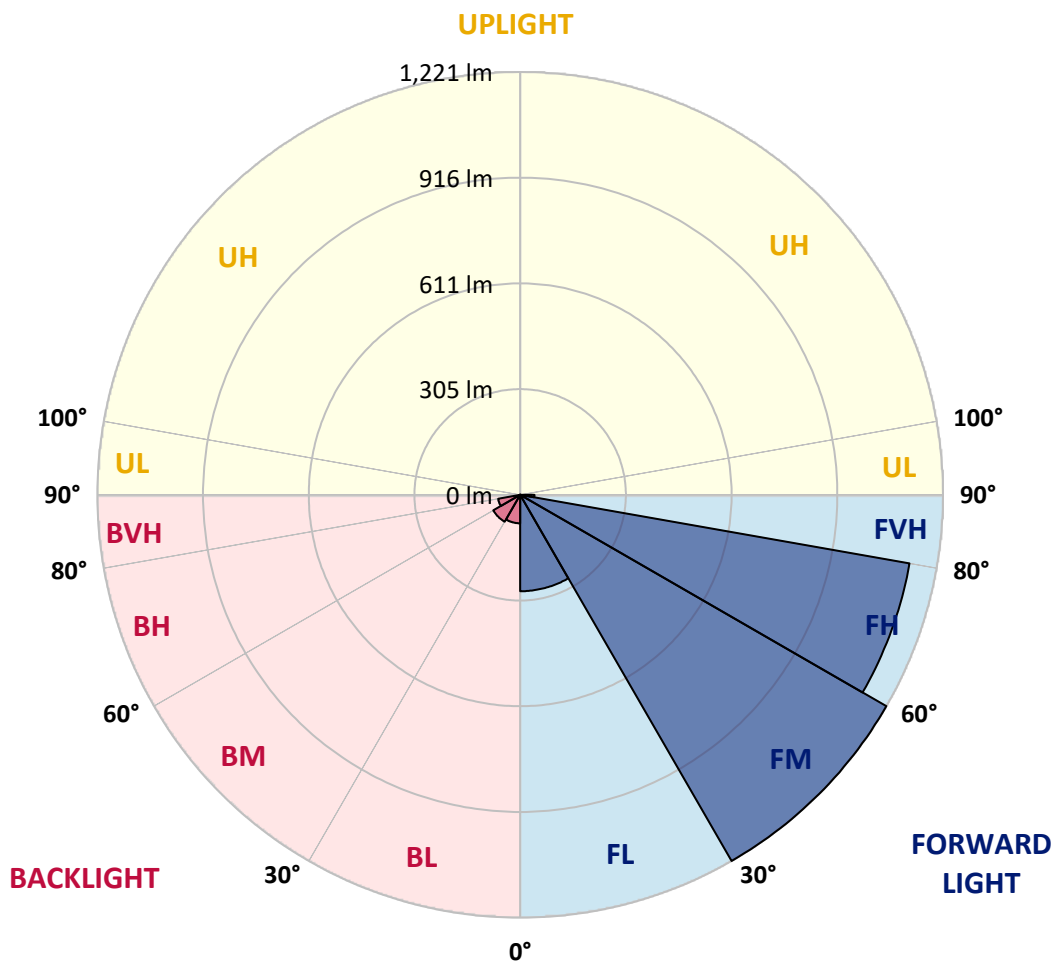
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.4	9.5			
FM	(30°-60°)	1221.1	41.8			
FH	(60°-80°)	1141.6	39.1			G1/1800
FVH	(80°-90°)	41.1	1.4			G1/100
BL	(0°-30°)	82.3	2.8	B0/110		
BM	(30°-60°)	89.6	3.1	B0/220		
BH	(60°-80°)	64.6	2.2	B0/110		G0/110
BVH	(80°-90°)	1.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0
2.5°	833.0	832.7	829.1	827.4	824.4	818.2	808.4	803.3	795.0	780.7	761.4
5°	825.4	829.4	831.5	831.7	833.8	831.5	822.8	818.5	807.1	784.0	749.3
7.5°	773.9	775.4	781.5	786.8	797.0	806.8	809.9	808.1	801.3	776.5	730.5
10°	718.8	720.2	727.5	734.4	748.3	763.3	779.2	782.5	785.3	766.0	712.3
12.5°	671.2	672.7	680.1	689.2	705.4	723.9	748.5	753.9	766.3	755.9	697.8
15°	630.3	630.9	638.2	649.4	668.7	692.5	720.4	729.2	748.1	748.8	685.1
17.5°	595.4	597.1	601.5	612.3	633.4	662.8	695.3	707.9	730.1	742.9	672.7
20°	574.1	575.8	575.6	581.5	600.5	631.9	670.2	685.2	712.3	736.8	661.6
22.5°	570.0	570.0	565.7	564.9	576.1	602.3	644.1	662.5	696.3	734.1	653.9
25°	584.7	584.0	573.3	564.5	565.0	580.7	618.9	640.7	682.8	735.9	649.7
27.5°	615.7	614.9	601.4	584.7	571.3	571.1	599.7	623.2	672.0	744.5	651.4
30°	658.7	658.3	643.6	622.7	598.4	576.1	593.1	614.4	665.1	760.0	655.2
32.5°	705.5	705.1	694.0	671.9	641.2	598.4	600.0	617.9	667.1	780.7	664.4
35°	755.2	754.4	749.6	730.3	696.5	639.5	622.8	636.7	679.6	811.6	682.6
37.5°	809.1	809.9	813.4	794.9	759.4	697.1	661.0	670.4	704.9	853.5	712.2
40°	888.5	888.3	889.5	865.2	831.0	767.6	714.3	717.3	747.2	909.1	757.1
42.5°	1032.6	1022.6	992.0	942.5	908.1	848.2	781.5	778.4	798.8	978.0	820.0
45°	1226.3	1204.9	1125.6	1030.7	986.7	939.0	864.2	854.2	867.2	1060.7	897.6
47.5°	1392.9	1370.6	1258.5	1122.5	1070.1	1025.2	961.1	943.0	947.3	1153.3	996.0
50°	1449.6	1438.7	1340.8	1202.4	1150.9	1133.7	1073.6	1051.5	1045.4	1260.5	1110.1
52.5°	1429.9	1429.1	1363.9	1254.2	1224.8	1246.0	1215.1	1189.5	1167.1	1373.4	1226.2
55°	1398.4	1402.5	1373.3	1299.6	1298.6	1348.5	1408.6	1387.3	1322.3	1496.1	1326.2
57.5°	1311.4	1329.0	1368.0	1385.5	1426.1	1477.1	1569.8	1582.3	1505.4	1590.1	1409.3
60°	1064.0	1102.8	1230.3	1397.9	1590.4	1717.6	1764.3	1775.0	1655.6	1668.2	1521.4
62.5°	755.2	794.9	956.5	1240.0	1592.9	2033.4	2054.1	2012.0	1821.1	1783.9	1714.7
65°	400.9	431.5	563.5	895.1	1381.0	2106.7	2560.8	2435.3	2113.0	2011.6	1964.6
67.5°	205.1	214.3	266.8	438.1	949.4	1871.3	3015.0	3103.4	2616.1	2237.5	1952.5
69°	181.5	186.9	221.8	316.7	608.0	1585.0	3037.2	3332.7	2879.5	2218.7	1774.4
70°	175.7	180.5	212.2	286.6	475.2	1329.2	2952.5	3312.6	2946.9	2147.0	1641.3
72.5°	149.1	153.2	188.9	253.3	386.2	659.8	2398.3	2807.0	2644.4	1788.6	1188.0
75°	99.7	113.3	181.3	237.4	359.3	374.8	1581.2	2028.5	1884.3	1206.3	618.9
77.5°	23.9	25.8	51.2	188.9	328.6	329.9	813.2	1261.0	1028.5	430.0	146.3
80°	12.9	12.4	14.4	37.5	306.0	309.6	366.1	612.1	367.2	71.3	48.2
82.5°	9.1	8.6	9.2	15.7	96.3	282.0	264.8	277.1	152.2	27.4	21.6
85°	3.3	3.1	5.1	14.2	30.2	162.1	272.1	228.5	123.3	12.5	15.9
87.5°	1.2	1.0	2.0	7.8	9.2	69.0	167.9	172.7	48.5	7.6	7.4
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°	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0
2.5°	753.3	743.0	724.2	704.9	687.1	665.6	654.9	644.3	639.8	638.2	630.4
5°	731.5	714.1	674.2	634.1	597.1	557.8	531.8	511.0	498.8	492.9	483.5
7.5°	703.6	675.2	614.6	552.6	495.0	438.2	396.1	363.8	341.5	330.7	321.0
10°	676.5	638.7	552.5	468.1	389.8	314.5	256.4	214.3	187.4	175.0	167.1
12.5°	652.2	603.2	492.5	385.7	287.5	199.3	140.2	106.7	90.0	84.2	81.4
15°	630.6	570.5	435.9	307.4	194.7	113.9	76.6	65.2	62.6	62.6	62.2
17.5°	610.1	538.4	381.3	234.0	122.2	69.7	58.3	56.8	56.8	57.5	57.5
20°	590.5	507.9	328.4	167.9	76.9	55.3	52.7	52.3	52.7	53.5	53.5
22.5°	573.6	480.2	279.0	115.3	57.1	49.9	48.5	48.0	48.2	48.7	49.0
25°	561.1	456.7	232.5	78.1	49.2	45.4	43.9	43.1	42.4	42.4	42.8
27.5°	553.1	436.9	187.4	56.8	44.3	41.3	39.0	37.6	36.2	35.3	35.7
30°	547.4	418.1	145.1	46.4	39.6	36.7	33.7	31.5	29.4	28.4	28.7
32.5°	545.2	402.9	108.5	40.9	35.5	32.2	28.6	25.8	23.4	22.6	22.8
35°	551.0	390.8	79.4	37.0	32.2	28.1	23.9	20.8	19.0	18.5	18.7
37.5°	566.2	384.4	59.4	33.7	29.2	24.6	20.0	17.0	15.9	15.9	16.0
40°	594.9	384.2	47.7	31.4	26.6	21.3	16.5	14.4	13.7	14.0	14.2
42.5°	636.9	393.0	41.6	29.2	24.3	18.2	13.7	12.2	12.1	12.4	12.5
45°	694.2	409.0	38.3	27.4	21.8	15.2	11.6	10.6	10.6	11.1	11.2
47.5°	764.3	432.4	35.5	25.6	19.3	12.7	9.9	9.2	9.4	9.9	10.1
50°	848.9	462.0	32.7	23.6	17.5	10.6	8.6	8.1	8.3	8.9	9.1
52.5°	945.1	501.8	30.4	21.8	15.2	8.8	7.3	6.9	7.3	7.9	8.1
55°	1027.7	537.5	27.6	20.3	12.2	7.3	5.9	5.9	6.3	7.1	7.3
57.5°	1107.1	574.8	25.1	17.5	9.6	5.8	5.0	5.1	5.6	6.4	6.6
60°	1223.7	638.0	22.1	14.7	7.3	4.6	4.1	4.3	5.0	5.8	5.9
62.5°	1421.7	734.3	19.2	12.2	5.6	3.6	3.3	3.6	4.5	5.4	5.6
65°	1600.3	773.4	15.7	10.2	4.3	2.8	2.8	3.3	4.3	5.3	5.4
67.5°	1500.8	651.1	12.2	8.1	3.3	2.1	2.3	3.1	4.1	5.3	5.4
69°	1327.2	532.3	10.4	6.4	2.8	2.0	2.1	3.1	4.1	5.1	5.3
70°	1192.0	449.4	9.2	5.4	2.5	2.0	2.1	3.0	4.1	5.1	5.3
72.5°	798.3	242.7	7.4	4.0	2.3	1.8	1.8	3.0	4.0	5.0	5.1
75°	343.1	67.0	5.9	2.8	2.0	1.7	1.7	2.8	3.8	4.8	5.1
77.5°	62.7	17.0	4.8	2.5	2.0	1.7	1.5	2.6	3.6	4.6	4.8
80°	24.9	8.4	3.8	2.1	1.8	1.5	1.3	2.5	3.5	4.5	4.6
82.5°	15.0	4.8	3.1	2.0	1.8	1.3	1.2	2.1	3.3	4.3	4.5
85°	12.2	3.3	2.5	2.0	1.7	1.3	1.0	2.0	3.0	4.1	4.3
87.5°	5.9	2.3	2.3	1.8	1.7	1.3	1.0	1.8	2.8	4.0	4.1
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)