

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385726

Luminaire Tested: GAW-SA1B-735-U-T3-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1B-735-U-T3-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4178.4 lumens
Efficiency: N/A
Efficacy: 95.0 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

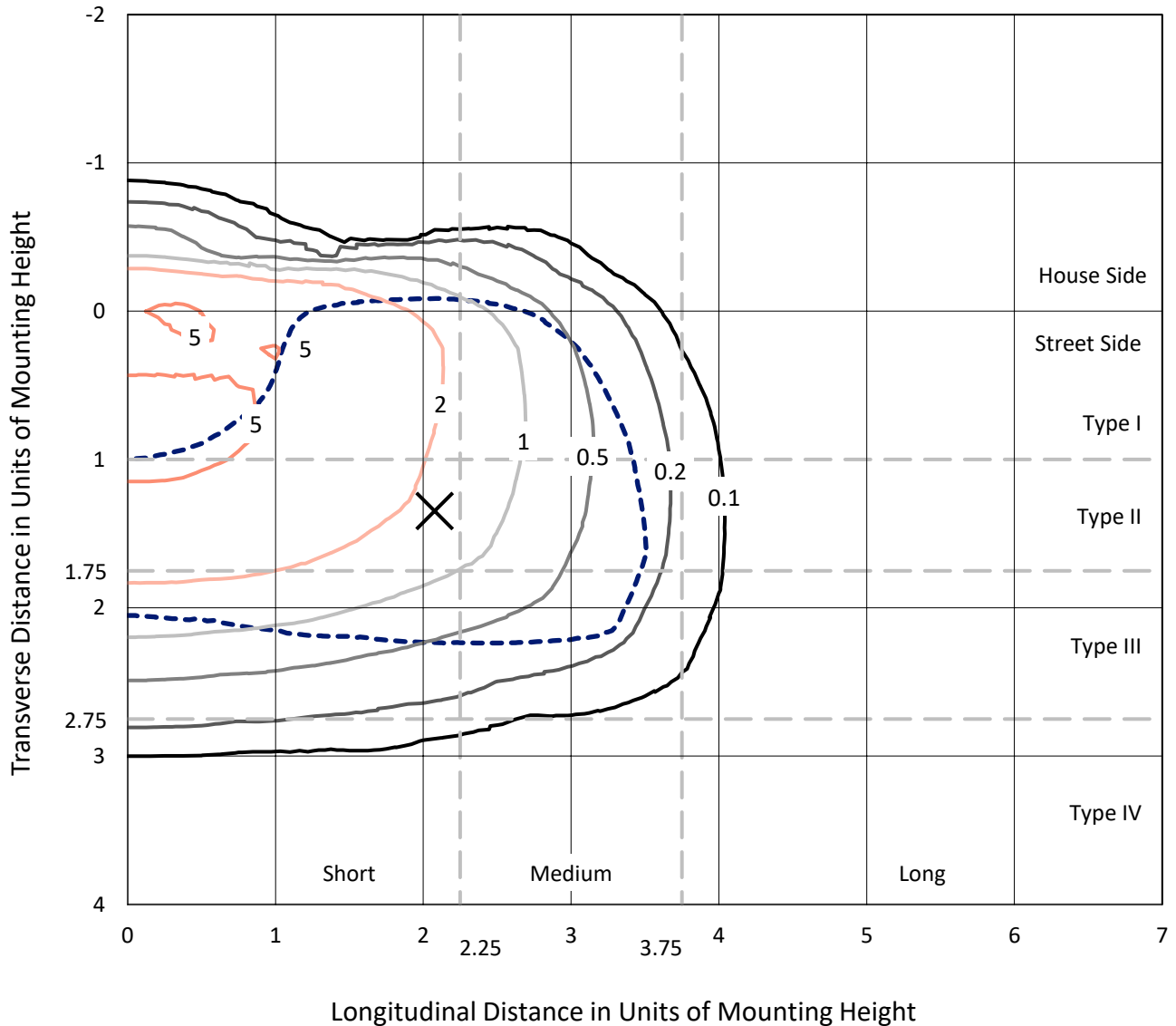
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

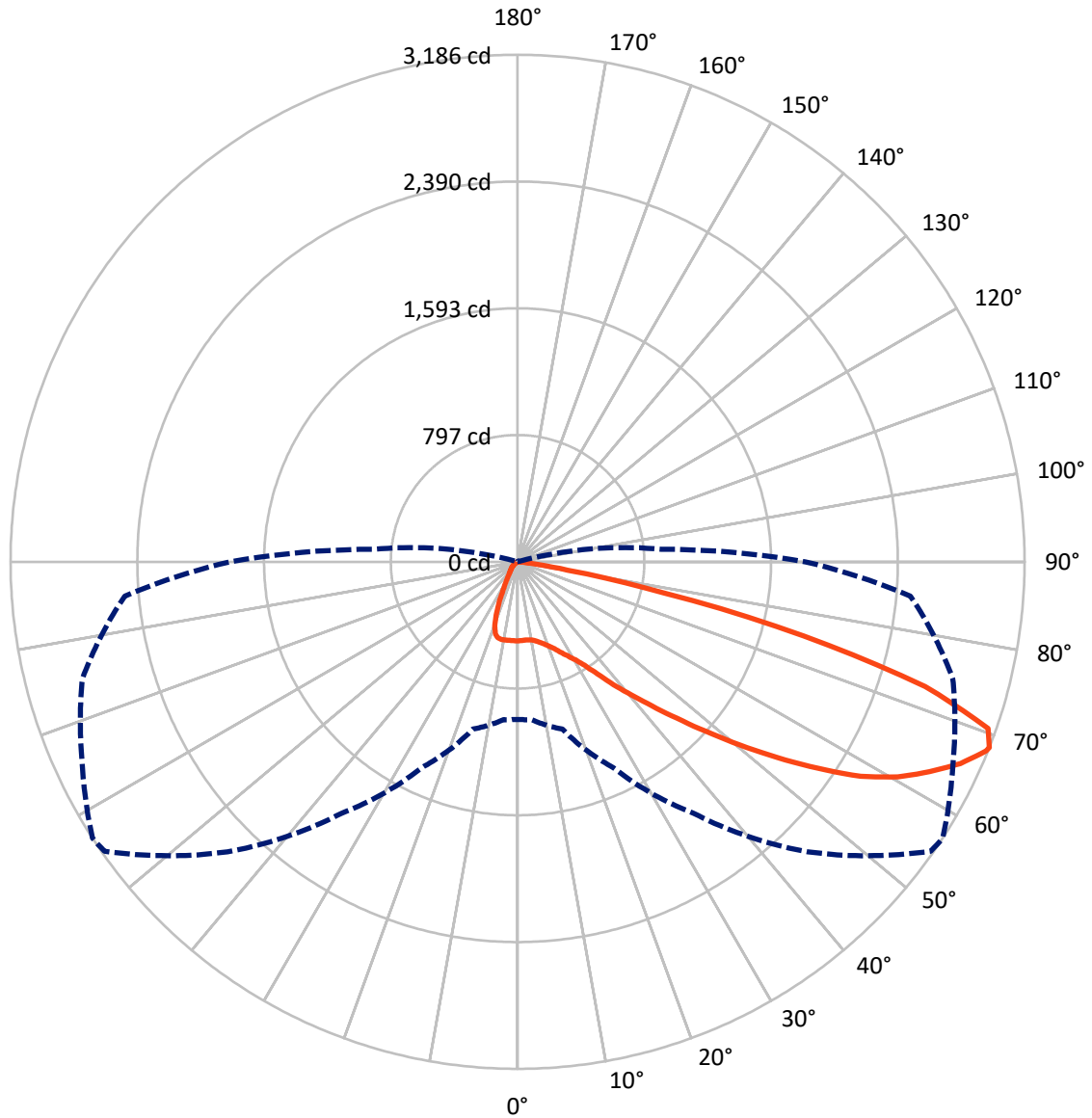
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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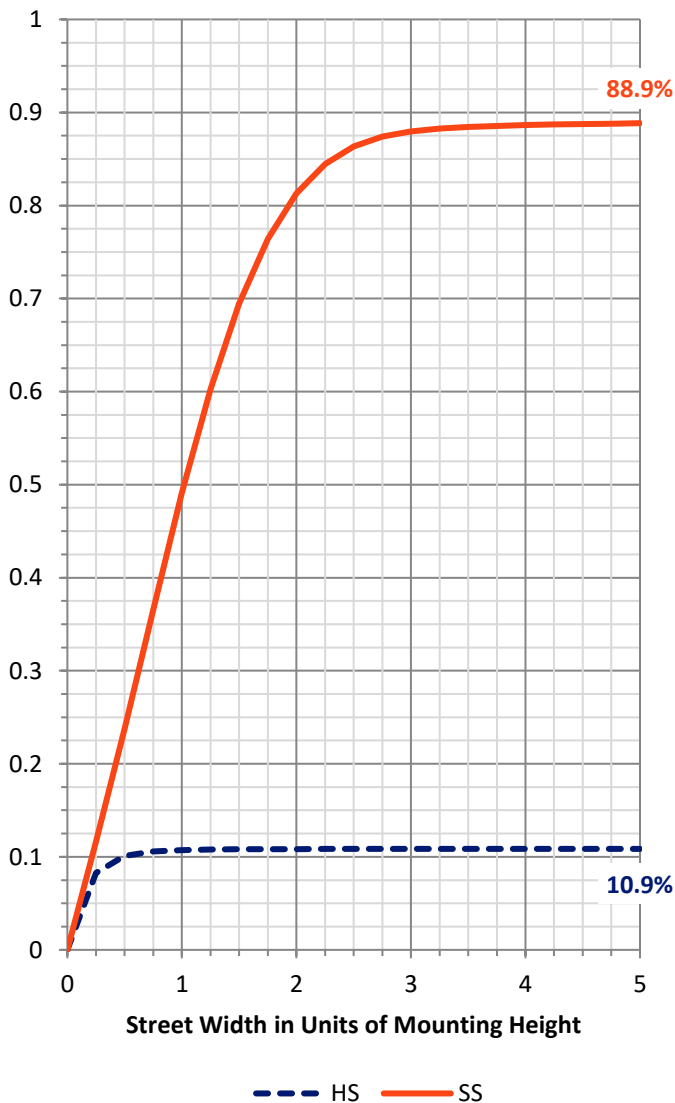
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	458.2	0.0	458.2
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	3720.2	0.0	3720.2
	% Fixture	89.0	0.0	89.0
Total	Lumens	4178.4	0.0	4178.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	1.1
10°-20°	128.8	3.1
20°-30°	222.1	5.3
30°-40°	383.4	9.2
40°-50°	655.8	15.7
50°-60°	1049.2	25.1
60°-70°	1212.2	29.0
70°-80°	463.2	11.1
80°-90°	17.4	0.4
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°	4178.4	100.0
0°-180°	4178.4	100.0

Coefficient of Utilization



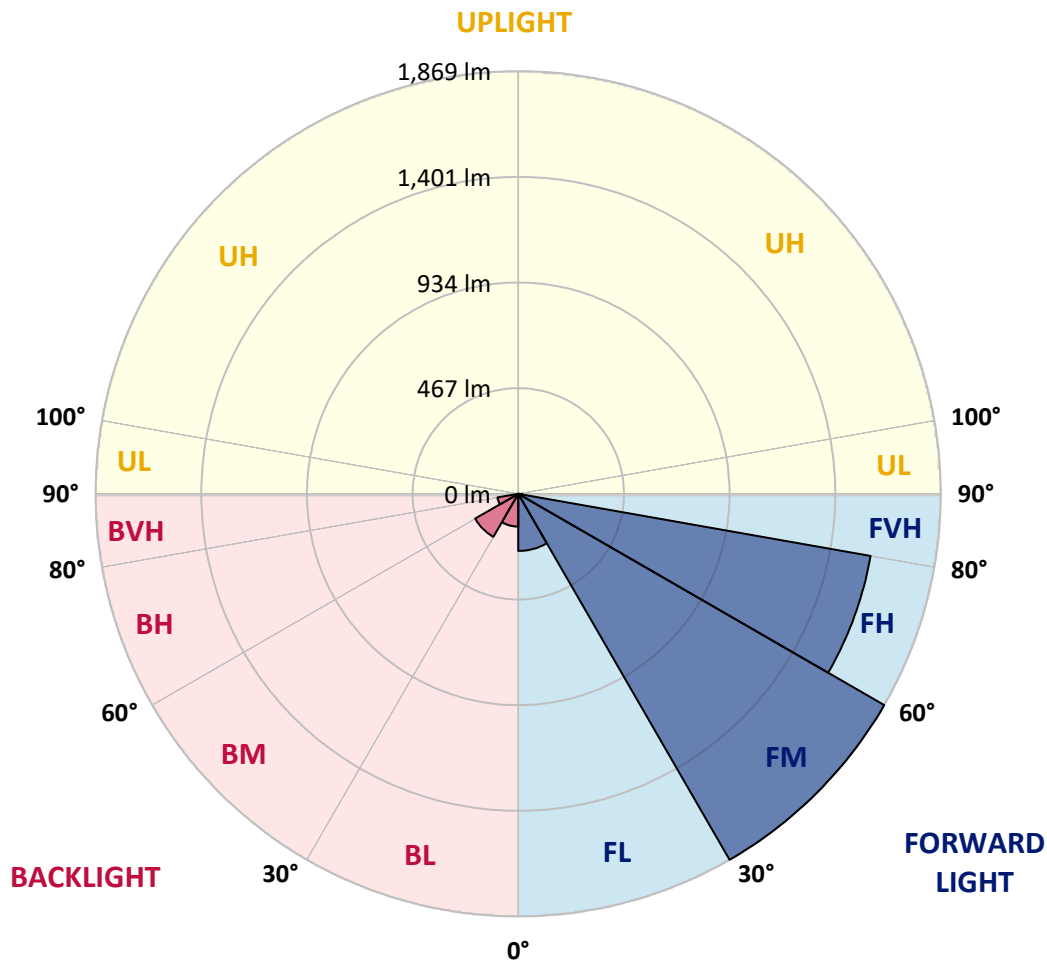
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.5	6.0			
FM (30°-60°)	1868.6	44.7			
FH (60°-80°)	1582.1	37.9			G1/1800
FVH (80°-90°)	17.0	0.4			G1/100
BL (0°-30°)	144.8	3.5	B1/500		
BM (30°-60°)	219.8	5.3	B0/220		
BH (60°-80°)	93.3	2.2	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5
2.5°	484.8	487.0	488.6	489.6	490.7	493.4	494.1	495.3	495.9	495.9	497.3
5°	465.7	468.1	471.4	474.2	479.7	486.8	492.0	493.9	497.5	500.7	502.4
7.5°	447.9	450.6	454.7	461.1	470.6	482.1	492.7	495.5	502.4	509.2	512.5
10°	436.4	438.6	443.8	453.1	465.5	481.5	496.5	499.9	511.7	523.0	529.3
12.5°	432.5	434.5	439.8	450.3	465.7	484.4	505.2	510.2	527.6	543.9	552.8
15°	438.2	438.6	444.3	454.2	469.4	491.8	519.6	525.6	547.5	568.8	579.9
17.5°	460.4	458.6	461.5	465.8	478.0	501.4	534.8	543.7	572.9	598.0	608.5
20°	515.6	515.6	509.0	497.1	497.3	516.5	555.4	565.4	601.2	630.2	639.7
22.5°	610.3	608.5	595.1	566.1	539.4	542.3	580.5	593.5	635.2	666.2	669.4
25°	724.1	721.9	701.2	660.3	614.1	584.2	614.5	629.5	675.7	703.1	696.7
27.5°	844.6	842.8	822.3	771.5	705.8	651.0	654.9	669.2	717.0	744.1	723.3
30°	961.4	962.0	941.6	889.5	815.0	736.2	706.3	714.6	757.2	784.6	754.9
32.5°	1072.4	1073.3	1055.7	997.4	927.8	835.1	777.4	775.3	803.7	830.8	796.8
35°	1171.4	1173.4	1161.4	1116.1	1042.4	945.4	869.7	864.6	869.9	900.5	861.0
37.5°	1266.9	1268.0	1259.0	1220.8	1159.2	1066.5	986.3	978.9	967.5	991.1	945.8
40°	1371.3	1368.4	1357.9	1323.3	1270.4	1200.3	1111.6	1098.9	1079.0	1099.9	1057.2
42.5°	1468.6	1465.2	1467.0	1427.9	1383.3	1337.8	1257.6	1235.9	1224.2	1248.3	1194.0
45°	1590.1	1588.3	1594.2	1560.2	1524.1	1491.1	1424.9	1401.2	1396.0	1424.3	1359.3
47.5°	1710.0	1714.4	1732.7	1718.3	1703.7	1674.7	1602.1	1591.4	1594.6	1628.8	1533.7
50°	1810.0	1815.1	1865.5	1882.1	1903.2	1886.2	1813.5	1807.0	1819.5	1850.3	1721.4
52.5°	1882.3	1892.8	1955.4	2031.9	2108.9	2120.4	2047.9	2042.0	2058.8	2063.5	1866.5
55°	1932.5	1941.7	2012.7	2152.6	2309.5	2358.8	2313.8	2290.9	2287.7	2240.9	2019.0
57.5°	1941.4	1940.4	2042.3	2230.6	2466.8	2594.1	2565.7	2543.2	2478.4	2404.8	2193.9
60°	1891.2	1896.9	2015.3	2257.7	2565.5	2772.2	2774.3	2745.1	2644.1	2564.4	2363.4
62.5°	1736.7	1760.0	1879.5	2186.7	2564.4	2843.9	2927.2	2905.0	2784.3	2694.9	2535.3
65°	1486.1	1494.5	1608.4	1943.7	2391.0	2813.9	3065.0	3056.7	2910.5	2821.8	2623.6
67.5°	1085.3	1067.3	1187.0	1530.6	2024.4	2638.9	3163.8	3174.2	3007.8	2847.9	2529.6
68°	990.4	995.8	1089.0	1428.4	1928.3	2576.9	3170.3	3186.3	3017.6	2830.9	2478.2
70°	590.3	600.6	683.8	983.5	1467.0	2227.1	3100.0	3136.5	2959.8	2655.6	2143.5
72.5°	150.8	163.0	241.6	440.2	837.9	1569.2	2616.9	2678.7	2569.9	2154.4	1447.0
75°	62.0	65.2	86.3	145.0	312.2	706.9	1724.8	1857.2	1781.6	1289.8	654.0
77.5°	42.8	45.1	55.5	80.4	135.2	239.6	845.6	941.3	848.0	440.2	142.7
80°	30.8	32.6	39.7	53.5	77.7	85.6	275.6	318.6	253.1	96.6	35.3
82.5°	18.4	19.7	29.6	38.1	47.3	40.9	68.6	77.9	73.3	48.0	15.8
85°	9.1	10.7	19.9	27.2	25.5	17.2	20.9	23.3	28.8	29.2	8.5
87.5°	0.6	1.2	11.6	16.4	7.1	3.9	6.1	7.5	10.2	14.5	3.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5
2.5°	497.9	498.1	496.7	496.1	496.5	494.1	493.2	493.6	493.6	494.1	493.2
5°	502.9	502.9	500.4	497.3	495.5	491.0	488.0	487.3	486.6	486.2	485.5
7.5°	513.5	512.3	508.1	501.3	495.3	485.5	478.0	474.0	472.0	471.2	470.6
10°	530.7	528.5	521.6	508.8	495.2	477.5	461.1	449.5	439.8	435.9	433.4
12.5°	553.8	550.7	539.0	517.6	493.7	461.3	425.7	391.6	359.8	346.7	340.2
15°	580.5	575.9	557.5	525.1	485.7	424.8	347.6	287.6	243.6	227.1	219.9
17.5°	607.5	601.6	573.8	529.9	461.3	349.1	243.8	184.1	154.7	146.8	144.0
20°	634.8	626.1	587.8	526.3	406.4	251.8	160.8	134.5	126.1	123.7	122.9
22.5°	660.7	647.2	600.5	512.5	321.8	168.9	127.2	118.9	116.2	114.8	114.4
25°	683.2	664.4	611.5	469.8	227.8	127.7	114.6	111.8	108.3	105.7	105.9
27.5°	704.4	681.6	618.2	399.5	151.9	109.1	106.1	102.3	95.8	92.1	92.1
30°	729.8	704.5	623.2	307.5	111.8	96.4	94.0	88.3	79.4	74.5	74.5
32.5°	768.1	739.3	620.0	215.8	92.6	84.7	79.2	71.3	61.6	56.9	56.7
35°	826.9	793.0	597.5	141.5	81.8	73.7	64.8	55.1	46.6	42.6	42.5
37.5°	905.9	865.0	546.9	101.2	73.3	63.4	52.8	42.1	35.8	33.2	33.0
40°	1008.4	948.6	474.6	82.0	65.4	53.5	40.7	32.6	28.3	26.3	26.5
42.5°	1131.5	1038.0	387.9	70.7	57.7	44.1	31.8	25.6	22.9	21.5	21.1
45°	1268.3	1126.3	296.9	63.0	50.0	35.6	24.9	20.4	18.1	17.4	17.4
47.5°	1418.6	1212.3	217.4	56.3	41.7	27.4	19.9	16.6	14.8	14.2	14.0
50°	1555.1	1272.0	156.7	49.2	34.2	21.7	16.2	13.8	12.7	11.8	11.8
52.5°	1668.9	1290.7	115.4	41.5	27.6	17.4	13.4	11.8	10.7	10.1	10.1
55°	1769.1	1283.0	85.8	34.2	22.4	14.2	11.5	10.1	9.1	8.5	8.5
57.5°	1865.1	1258.1	64.0	27.9	17.9	11.5	9.7	8.5	7.5	7.1	7.1
60°	1943.5	1216.7	47.6	22.5	14.5	9.3	8.1	7.0	6.1	5.5	5.5
62.5°	2007.2	1170.9	34.9	18.6	11.5	7.3	6.3	5.7	4.5	3.9	3.9
65°	2007.6	1094.8	26.3	15.4	8.9	5.7	4.7	4.5	3.0	2.3	2.2
67.5°	1862.3	943.8	20.2	13.2	7.0	4.3	3.6	3.8	1.6	1.0	0.8
68°	1809.6	905.5	19.0	13.1	6.5	4.1	3.4	3.8	1.4	0.8	0.6
70°	1525.7	720.3	15.2	12.7	5.7	3.2	2.7	3.8	1.2	0.6	0.4
72.5°	975.8	418.0	11.3	10.1	4.3	2.3	1.8	3.4	1.2	0.4	0.2
75°	415.3	129.6	7.7	7.1	2.5	1.8	1.2	2.2	0.8	0.2	0.0
77.5°	87.6	29.2	4.5	4.3	1.8	1.2	0.8	0.6	0.2	0.0	0.0
80°	22.5	8.5	2.3	2.2	1.0	0.6	0.4	0.0	0.0	0.0	0.0
82.5°	7.1	3.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.6	2.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)