

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: P386394

Luminaire Tested: GAW-SA2A-740-U-T2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2A-740-U-T2-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6919 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

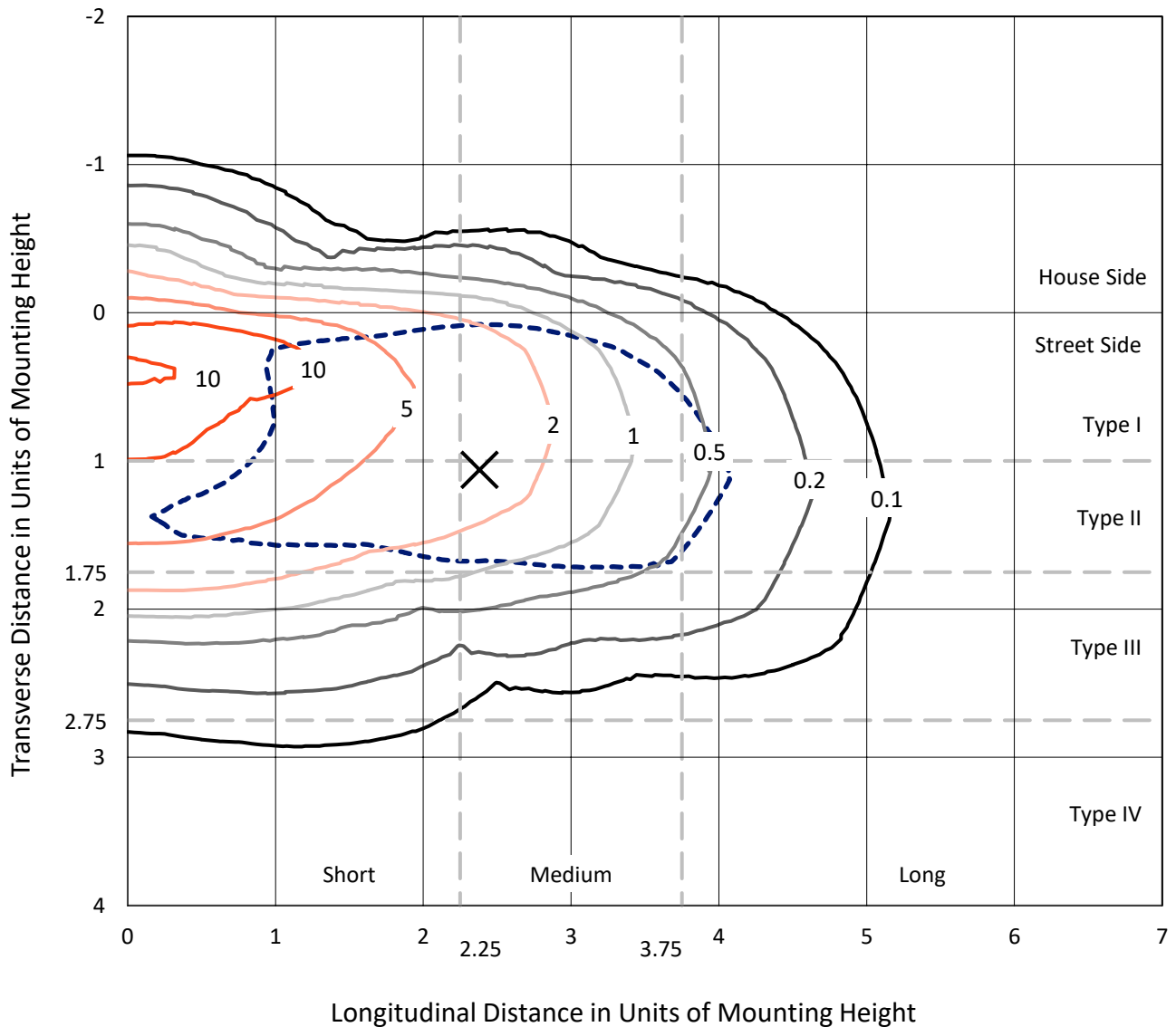
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

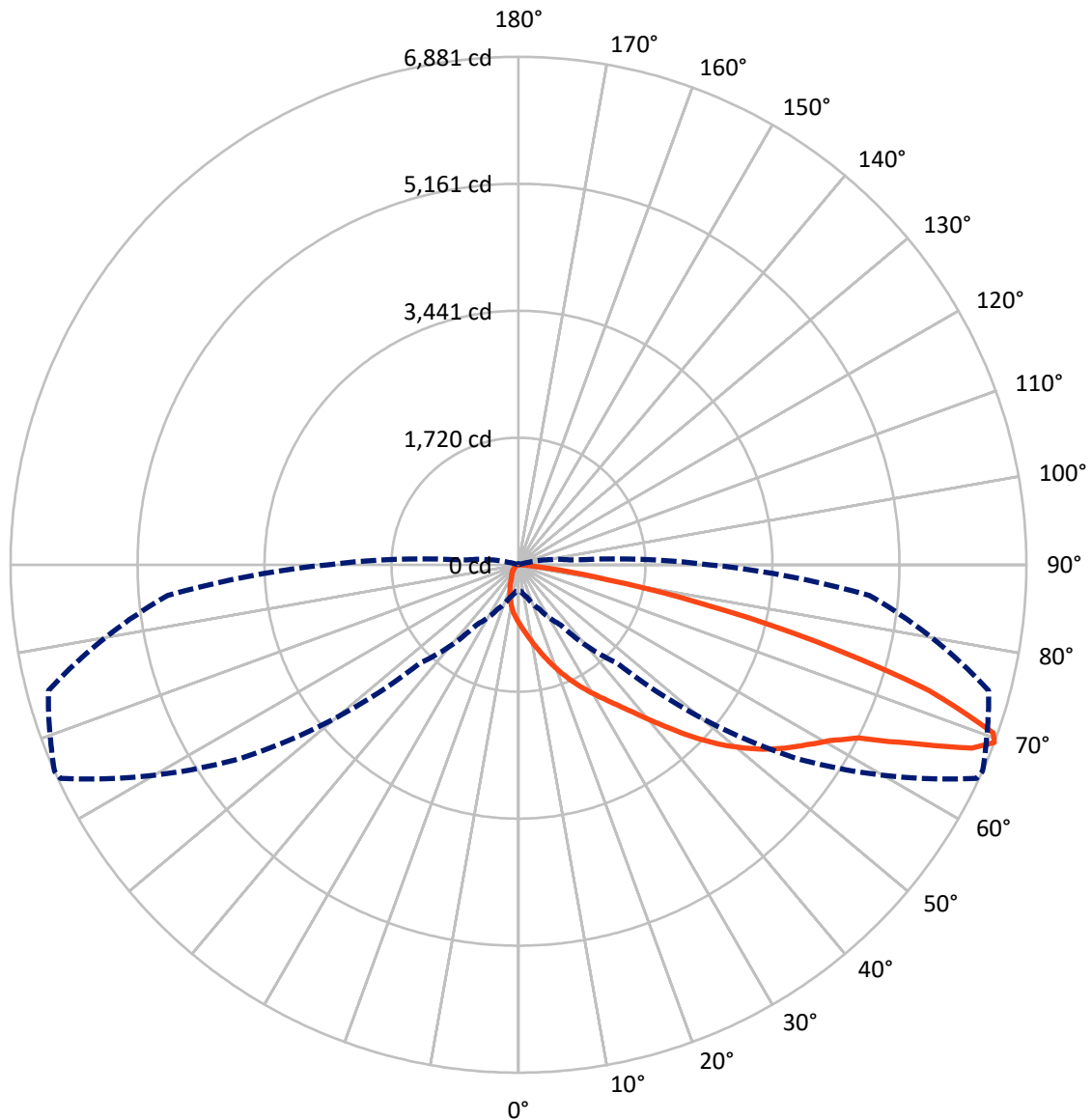
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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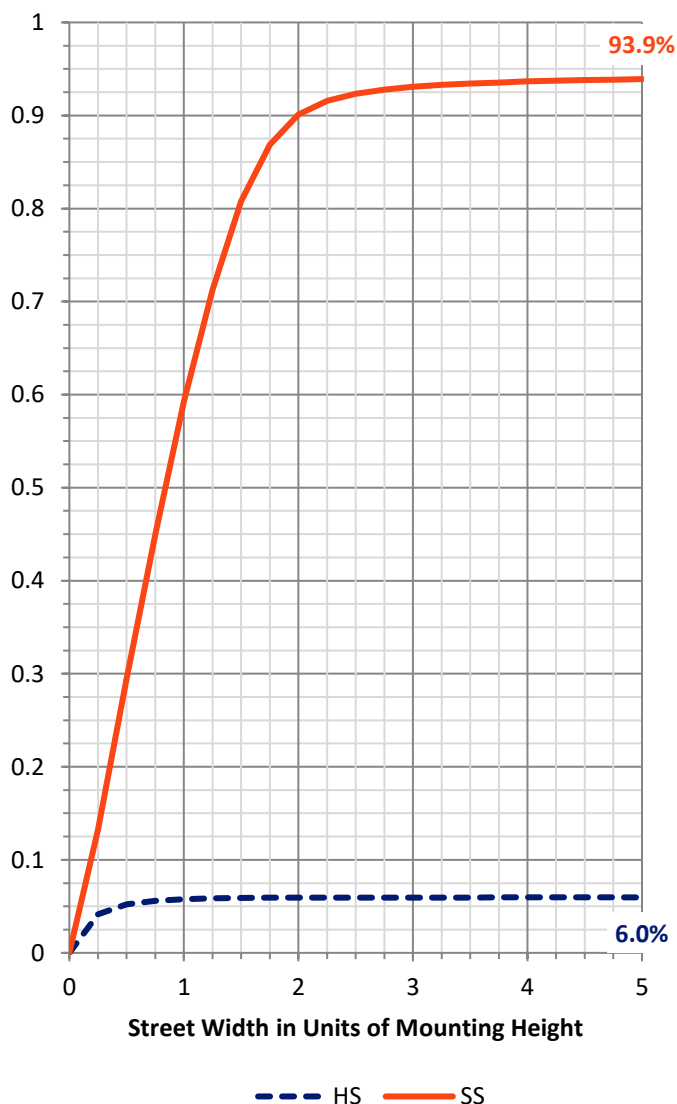
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	415.0	0.0	415.0
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	6504.0	0.0	6504.0
	% Fixture	94.0	0.0	94.0
Total	Lumens	6919.0	0.0	6919.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	1.1
10°-20°	226.5	3.3
20°-30°	394.5	5.7
30°-40°	692.1	10.0
40°-50°	1158.5	16.7
50°-60°	1702.8	24.6
60°-70°	1748.4	25.3
70°-80°	863.1	12.5
80°-90°	57.1	0.8
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°	6919.0	100.0
0°-180°	6919.0	100.0

Coefficient of Utilization

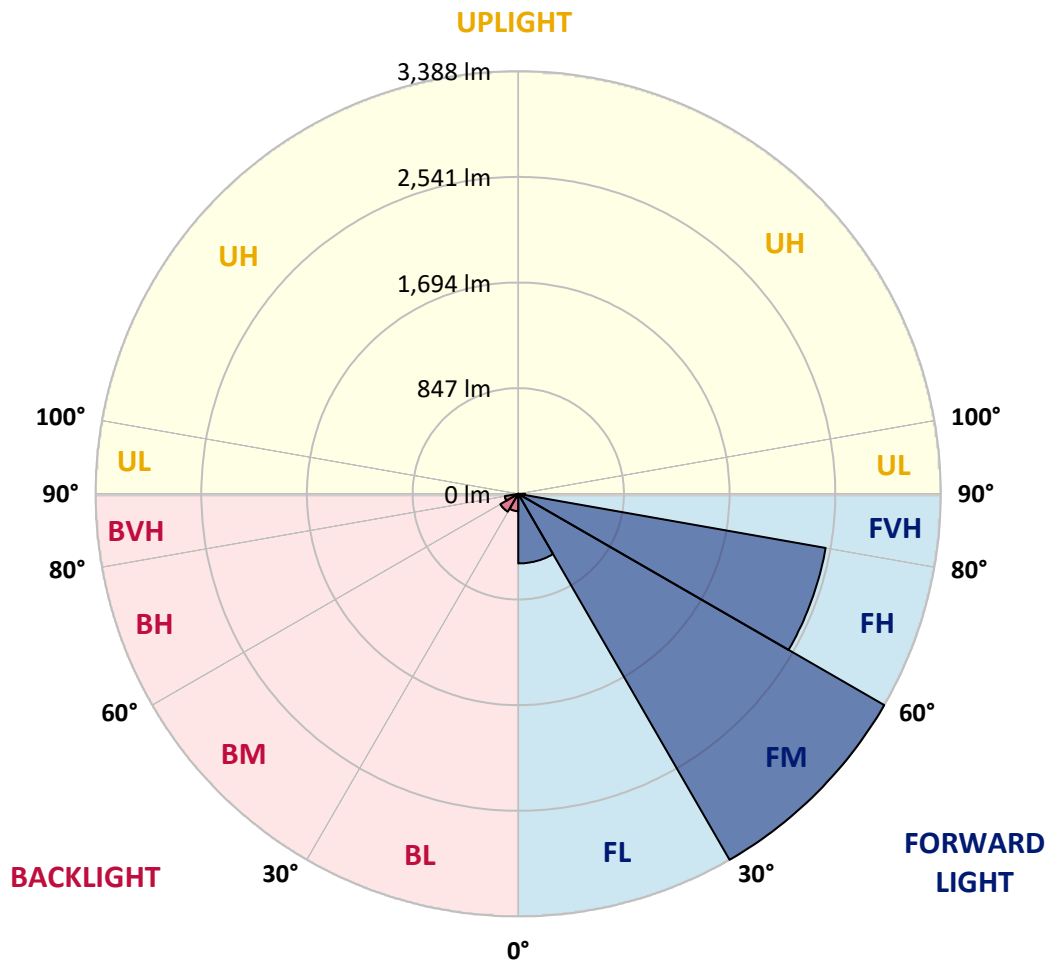


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.3	8.1			
FM (30°-60°)	3387.9	49.0			
FH (60°-80°)	2502.1	36.2			G2/5000
FVH (80°-90°)	55.7	0.8			G1/100
BL (0°-30°)	138.8	2.0	B1/500		
BM (30°-60°)	165.5	2.4	B0/220		
BH (60°-80°)	109.4	1.6	B0/110		G0/110
BVH (80°-90°)	1.4	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-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4
2.5°	926.7	922.8	921.2	913.9	901.4	891.9	873.5	852.1	848.2	827.5	802.2
5°	1047.0	1043.7	1041.4	1031.3	1018.4	994.4	960.9	921.2	913.6	874.2	823.6
7.5°	1130.8	1136.7	1136.7	1130.2	1114.1	1096.0	1054.9	1000.7	991.2	930.7	852.1
10°	1179.8	1187.0	1192.6	1198.2	1195.9	1188.7	1149.9	1088.8	1077.3	997.1	885.3
12.5°	1184.4	1191.6	1207.4	1230.7	1253.4	1269.8	1245.5	1186.4	1173.2	1074.0	924.8
15°	1158.8	1166.3	1190.6	1236.0	1290.9	1338.9	1346.7	1294.5	1281.0	1165.7	974.1
17.5°	1114.1	1119.0	1153.8	1216.6	1302.7	1390.8	1438.4	1410.5	1398.0	1270.5	1028.9
20°	1080.9	1084.5	1115.1	1182.4	1295.5	1423.3	1525.2	1533.7	1520.6	1382.9	1088.4
22.5°	1137.7	1144.3	1145.3	1177.2	1275.8	1439.4	1601.4	1655.0	1645.1	1502.2	1146.9
25°	1293.2	1300.7	1275.8	1256.0	1292.5	1446.6	1666.8	1779.2	1771.3	1630.7	1205.8
27.5°	1498.6	1506.5	1474.2	1415.4	1380.3	1473.9	1725.0	1905.4	1905.1	1766.7	1269.2
30°	1700.3	1708.2	1675.4	1616.5	1535.7	1551.1	1775.3	2037.5	2039.5	1907.1	1336.5
32.5°	1912.0	1921.8	1888.0	1812.4	1728.0	1684.6	1845.9	2170.3	2181.5	2069.7	1412.5
35°	2152.5	2153.9	2106.2	2027.0	1929.7	1863.0	1959.3	2319.2	2345.8	2271.2	1508.8
37.5°	2388.5	2398.0	2358.9	2234.0	2144.7	2069.1	2127.9	2505.2	2543.0	2517.3	1634.6
40°	2563.3	2583.4	2577.8	2443.1	2358.3	2304.4	2337.2	2726.3	2774.3	2803.9	1793.3
42.5°	2673.1	2688.2	2713.9	2632.7	2555.8	2564.7	2584.4	2984.0	3043.1	3130.6	1975.7
45°	2799.0	2806.2	2827.6	2791.7	2739.8	2829.2	2846.6	3274.2	3336.3	3481.9	2178.2
47.5°	2952.8	2969.9	2975.8	2942.9	2919.2	3063.2	3099.3	3538.1	3625.1	3858.2	2392.4
50°	3148.6	3153.2	3163.4	3142.1	3118.4	3264.3	3326.1	3815.1	3894.3	4235.7	2603.8
52.5°	3340.2	3356.7	3392.1	3378.7	3369.1	3435.5	3528.2	4064.9	4153.3	4550.6	2814.7
55°	3395.4	3409.6	3532.1	3615.9	3693.5	3646.5	3721.4	4288.7	4384.3	4831.9	3017.8
57.5°	3174.9	3203.5	3415.8	3634.0	3955.8	3974.5	3987.0	4518.4	4604.1	5047.5	3229.1
60°	2617.6	2623.1	2971.5	3345.8	3912.4	4260.7	4374.8	4765.2	4837.1	5248.3	3482.2
62.5°	1664.9	1721.7	2103.9	2632.3	3453.6	4219.3	4843.7	5138.5	5164.8	5489.2	3845.0
65°	793.0	829.8	1105.2	1626.4	2501.6	3689.2	5167.4	5813.8	5825.7	5966.7	4329.7
67.5°	439.1	456.8	587.9	875.5	1462.4	2609.0	5036.6	6613.7	6624.9	6454.4	4755.0
69°	343.4	358.5	461.7	659.9	991.5	1875.2	4557.8	6848.1	6881.2	6594.0	4770.1
70°	291.5	306.3	397.6	557.4	797.3	1448.9	4057.0	6789.9	6825.0	6580.9	4657.4
72.5°	178.4	187.0	264.9	392.4	534.4	728.9	2501.9	5742.2	5801.7	6036.7	4002.7
75°	120.3	124.9	165.6	270.8	382.2	375.3	1299.7	4047.4	4176.3	4695.8	2956.4
77.5°	86.1	90.4	111.1	175.2	267.8	247.8	588.6	2515.4	2543.0	2816.4	1612.3
80°	49.0	52.9	78.5	104.2	181.7	165.3	234.0	1201.5	1215.3	1207.7	538.3
82.5°	25.6	28.9	43.1	68.7	116.7	108.1	97.3	402.2	404.2	336.2	118.0
85°	4.9	5.9	21.4	47.0	60.1	47.0	39.8	94.3	96.3	85.1	29.2
87.5°	0.0	0.3	8.5	10.5	11.8	12.2	12.8	18.4	19.7	26.6	7.9
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°	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4
2.5°	791.0	779.2	756.5	730.2	709.8	689.8	674.0	657.6	651.7	648.7	648.4
5°	798.9	773.9	726.0	676.7	636.2	598.1	570.8	544.9	532.7	527.1	524.8
7.5°	812.1	772.0	694.7	619.5	561.3	513.7	475.9	447.6	433.5	427.6	425.3
10°	827.5	769.3	658.3	559.0	484.7	435.4	398.0	370.0	354.6	348.0	344.7
12.5°	845.6	764.7	616.2	497.9	419.3	370.0	324.7	290.2	272.4	264.9	261.3
15°	867.9	760.1	572.1	440.4	361.8	301.7	252.1	228.7	225.1	223.8	224.1
17.5°	889.9	752.9	524.2	383.5	301.4	235.6	210.3	209.0	209.7	209.7	209.7
20°	909.7	736.5	471.9	334.9	243.8	198.8	193.6	191.3	189.6	188.3	186.7
22.5°	925.1	714.4	421.6	286.6	199.2	182.1	173.8	166.6	160.7	156.8	154.8
25°	935.6	685.2	375.6	240.2	179.1	165.6	150.8	138.7	129.5	123.9	121.6
27.5°	943.5	653.7	334.5	201.1	165.3	146.6	127.2	112.7	103.2	98.3	96.3
30°	949.1	617.8	298.4	176.8	149.9	126.5	105.8	91.7	84.8	82.2	80.8
32.5°	954.3	578.1	264.2	165.3	135.4	108.1	88.7	77.9	73.6	70.3	69.3
35°	967.5	541.3	231.7	153.1	120.6	92.3	76.2	68.4	64.1	62.1	61.5
37.5°	998.7	514.0	200.5	140.7	105.8	79.9	66.7	61.1	57.2	55.2	54.6
40°	1049.0	500.2	174.2	127.2	91.4	70.3	60.5	55.2	50.9	48.0	47.3
42.5°	1122.9	502.2	155.8	113.7	79.9	62.8	54.6	48.3	43.7	41.1	40.4
45°	1212.7	516.6	143.0	100.6	70.3	56.9	48.0	41.4	37.1	34.8	34.2
47.5°	1309.9	539.9	132.4	88.7	62.8	51.3	41.4	34.5	30.9	28.9	28.6
50°	1412.5	562.6	121.6	77.2	56.2	45.7	34.8	28.6	25.6	24.0	23.3
52.5°	1516.3	588.9	111.7	66.7	50.6	39.1	28.9	23.3	21.0	19.7	19.1
55°	1628.0	608.6	102.2	58.5	45.0	33.2	24.0	19.4	17.4	15.8	15.4
57.5°	1759.5	639.2	92.3	50.6	38.5	27.6	19.7	15.4	13.8	12.2	11.8
60°	1937.0	675.0	81.8	44.7	31.5	22.7	16.1	12.5	10.5	9.2	8.9
62.5°	2170.9	714.8	68.7	39.1	25.6	18.4	12.8	9.9	7.6	5.9	5.9
65°	2467.7	779.5	56.2	32.9	21.0	15.1	9.9	7.2	4.3	2.6	2.6
67.5°	2640.9	790.7	45.4	26.9	17.1	12.8	8.2	4.9	1.3	0.3	0.0
69°	2585.4	726.0	38.5	23.0	14.8	12.2	7.6	3.6	0.7	0.0	0.0
70°	2480.8	663.8	33.8	20.4	13.5	11.5	7.2	2.6	0.7	0.0	0.0
72.5°	2050.0	472.6	25.6	15.1	9.9	10.2	6.6	1.6	0.7	0.0	0.0
75°	1493.3	287.2	18.4	10.5	6.2	7.6	4.6	0.7	0.3	0.0	0.0
77.5°	830.8	135.4	11.5	5.9	3.9	4.6	2.3	0.0	0.0	0.0	0.0
80°	269.8	36.8	5.3	3.3	2.3	2.6	1.0	0.0	0.0	0.0	0.0
82.5°	50.0	10.5	3.0	1.6	0.7	0.7	0.0	0.0	0.0	0.0	0.0
85°	10.8	4.3	1.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	1.3	0.3	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)