

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: P385498

Luminaire Tested: GAW-SA1A-735-U-T2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385498
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-SA1A-735-U-T2-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3324.5 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

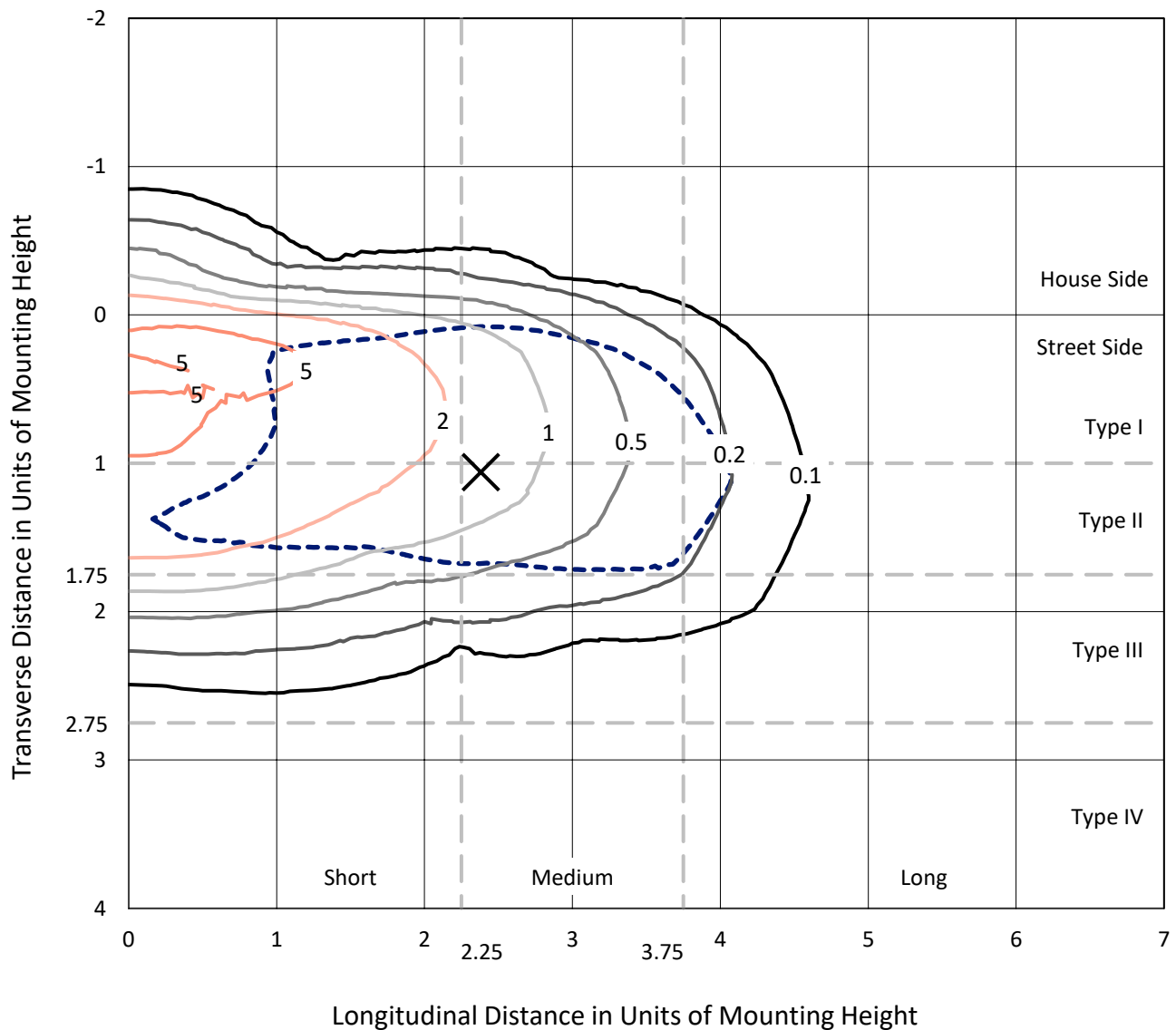
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

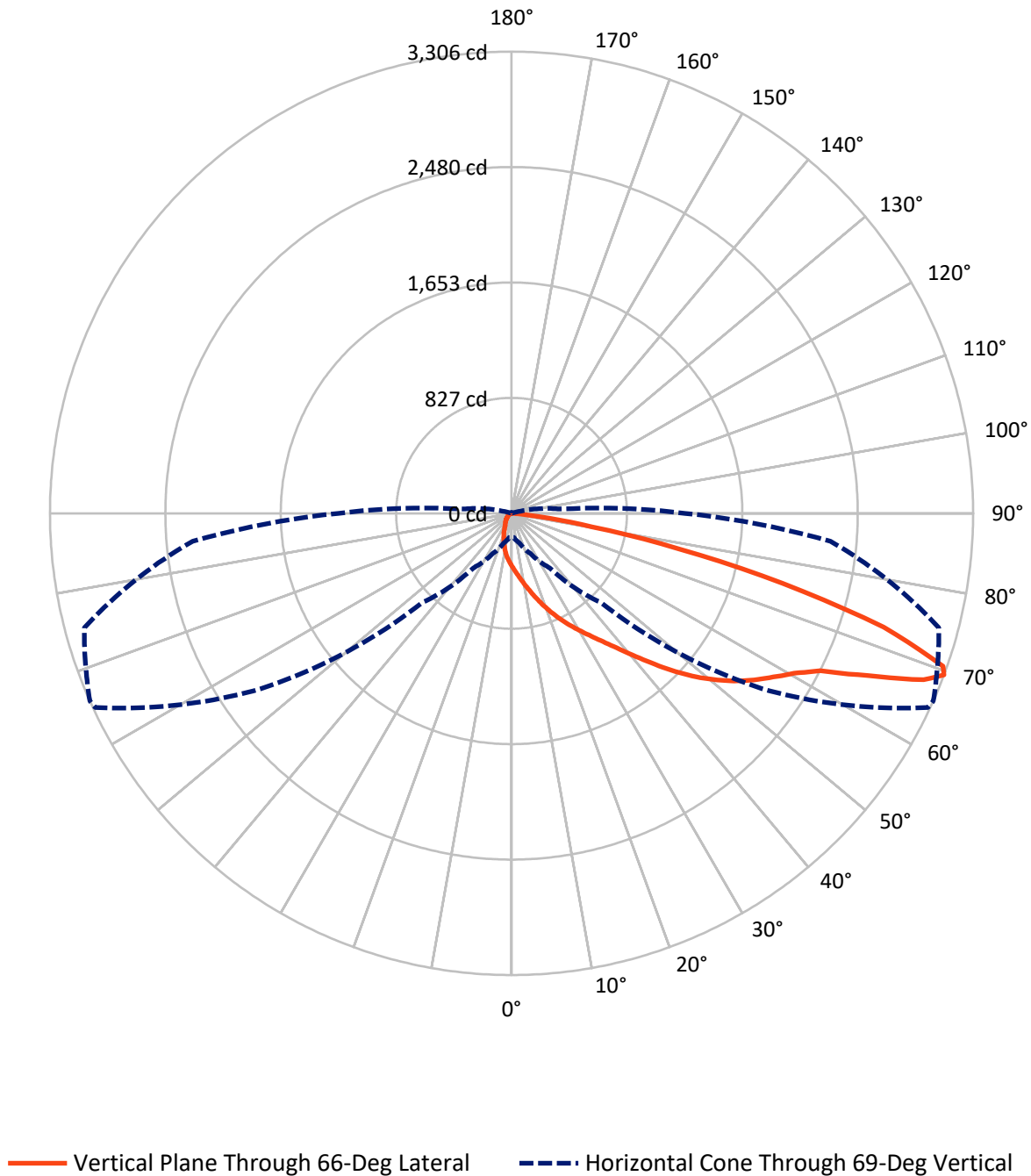
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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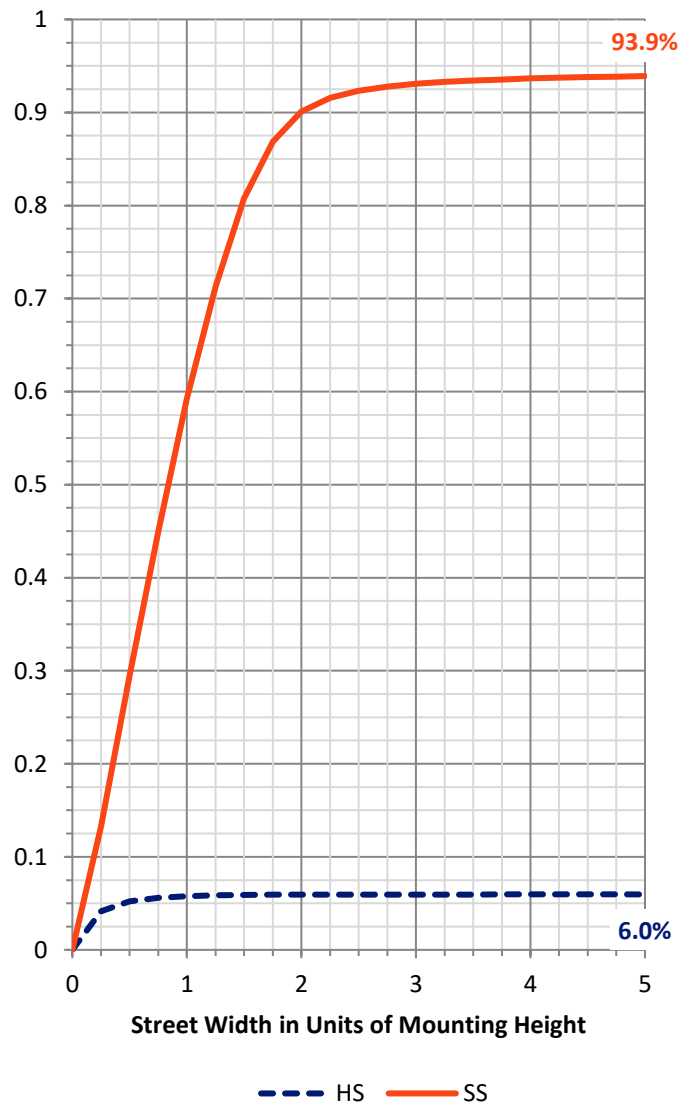
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	199.4	0.0	199.4
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	3125.1	0.0	3125.1
	% Fixture	94.0	0.0	94.0
Total	Lumens	3324.5	0.0	3324.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	1.1
10°-20°	108.8	3.3
20°-30°	189.5	5.7
30°-40°	332.5	10.0
40°-50°	556.6	16.7
50°-60°	818.2	24.6
60°-70°	840.1	25.3
70°-80°	414.7	12.5
80°-90°	27.4	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°	3324.5	100.0
0°-180°	3324.5	100.0

Coefficient of Utilization



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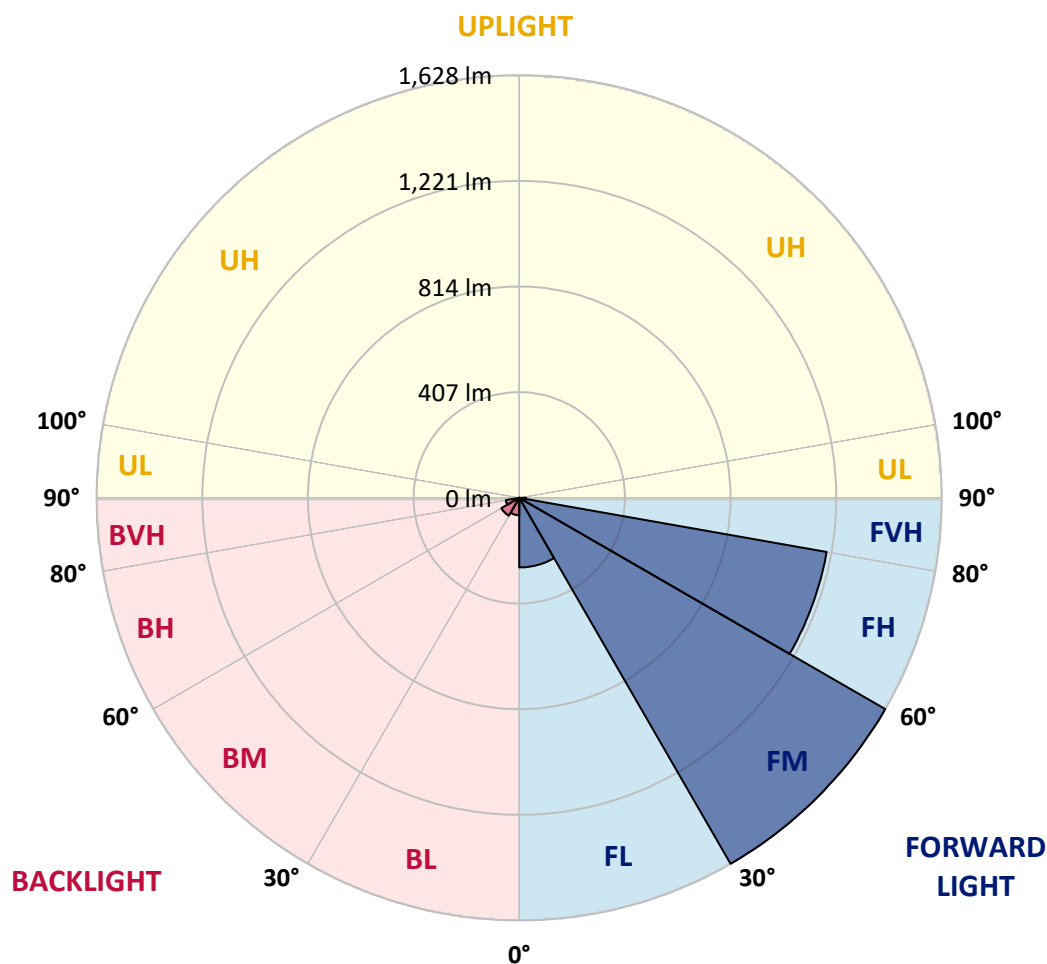
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.3	8.1			
FM	(30°-60°)	1627.8	49.0			
FH	(60°-80°)	1202.2	36.2			G1/1800
FVH	(80°-90°)	26.8	0.8			G1/100
BL	(0°-30°)	66.7	2.0	B0/110		
BM	(30°-60°)	79.5	2.4	B0/220		
BH	(60°-80°)	52.6	1.6	B0/110		G0/110
BVH	(80°-90°)	0.7	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3
2.5°	445.3	443.4	442.6	439.2	433.2	428.6	419.7	409.5	407.5	397.6	385.4
5°	503.0	501.5	500.4	495.5	489.3	477.8	461.7	442.6	439.0	420.0	395.7
7.5°	543.3	546.2	546.2	543.1	535.3	526.6	506.9	480.8	476.3	447.2	409.5
10°	566.9	570.4	573.0	575.8	574.6	571.2	552.6	523.1	517.6	479.1	425.4
12.5°	569.1	572.6	580.2	591.3	602.2	610.1	598.5	570.0	563.7	516.0	444.3
15°	556.8	560.4	572.1	593.9	620.3	643.3	647.1	622.0	615.5	560.1	468.0
17.5°	535.3	537.7	554.4	584.6	625.9	668.3	691.1	677.8	671.8	610.4	494.4
20°	519.4	521.1	535.7	568.1	622.4	683.9	732.8	737.0	730.7	664.4	523.0
22.5°	546.6	549.8	550.3	565.6	613.0	691.6	769.5	795.2	790.5	721.8	551.0
25°	621.3	625.0	613.0	603.5	621.0	695.1	800.9	854.9	851.1	783.5	579.3
27.5°	720.0	723.8	708.4	680.1	663.2	708.2	828.8	915.5	915.3	848.9	609.9
30°	817.0	820.7	805.0	776.7	737.9	745.3	853.0	979.0	980.0	916.3	642.2
32.5°	918.7	923.4	907.2	870.8	830.2	809.4	887.0	1042.8	1048.2	994.4	678.7
35°	1034.3	1034.9	1012.0	974.0	927.2	895.1	941.5	1114.3	1127.1	1091.3	724.9
37.5°	1147.7	1152.3	1133.5	1073.4	1030.5	994.2	1022.4	1203.7	1221.9	1209.6	785.4
40°	1231.6	1241.3	1238.6	1173.9	1133.1	1107.3	1123.0	1310.0	1333.0	1347.3	861.7
42.5°	1284.4	1291.7	1304.0	1265.0	1228.1	1232.3	1241.8	1433.8	1462.2	1504.2	949.4
45°	1344.8	1348.3	1358.6	1341.4	1316.5	1359.4	1367.8	1573.2	1603.1	1673.0	1046.6
47.5°	1418.8	1427.0	1429.9	1414.1	1402.7	1471.8	1489.2	1700.0	1741.8	1853.8	1149.5
50°	1512.9	1515.1	1520.0	1509.7	1498.3	1568.5	1598.2	1833.1	1871.2	2035.2	1251.1
52.5°	1605.0	1612.8	1629.9	1623.5	1618.9	1650.7	1695.2	1953.1	1995.6	2186.5	1352.4
55°	1631.4	1638.3	1697.2	1737.4	1774.7	1752.2	1788.1	2060.7	2106.6	2321.7	1450.0
57.5°	1525.5	1539.3	1641.3	1746.1	1900.7	1909.7	1915.7	2171.0	2212.3	2425.2	1551.6
60°	1257.8	1260.4	1427.8	1607.6	1879.8	2047.2	2102.0	2289.6	2324.2	2521.7	1673.2
62.5°	800.0	827.2	1010.9	1264.8	1659.4	2027.3	2327.3	2469.0	2481.6	2637.4	1847.5
65°	381.0	398.7	531.0	781.5	1202.0	1772.6	2482.9	2793.5	2799.2	2866.9	2080.4
67.5°	211.0	219.4	282.5	420.7	702.7	1253.6	2420.1	3177.9	3183.2	3101.2	2284.7
69°	165.1	172.3	221.9	317.0	476.4	901.0	2190.0	3290.4	3306.4	3168.4	2292.0
70°	140.1	147.2	191.1	267.8	383.1	696.2	1949.3	3262.5	3279.3	3162.1	2237.8
72.5°	85.8	89.8	127.3	188.5	256.7	350.2	1202.1	2759.1	2787.7	2900.6	1923.3
75°	57.8	60.0	79.6	130.1	183.7	180.4	624.5	1944.7	2006.6	2256.3	1420.6
77.5°	41.3	43.4	53.4	84.2	128.7	119.0	282.9	1208.6	1221.9	1353.3	774.7
80°	23.5	25.5	37.8	50.1	87.4	79.5	112.4	577.3	583.9	580.3	258.6
82.5°	12.3	13.9	20.7	33.0	56.1	51.9	46.8	193.2	194.3	161.6	56.6
85°	2.3	2.8	10.2	22.5	28.9	22.5	19.1	45.3	46.3	40.9	14.1
87.5°	0.0	0.2	4.1	5.1	5.7	5.8	6.2	8.8	9.5	12.8	3.8
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°	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3
2.5°	380.1	374.3	363.5	350.9	341.1	331.4	323.9	316.0	313.1	311.7	311.5
5°	383.8	371.9	348.8	325.1	305.7	287.4	274.3	261.8	256.0	253.3	252.1
7.5°	390.2	370.9	333.8	297.7	269.7	246.8	228.6	215.0	208.3	205.4	204.3
10°	397.6	369.7	316.3	268.6	232.9	209.2	191.3	177.8	170.4	167.2	165.6
12.5°	406.3	367.5	296.1	239.3	201.5	177.8	156.0	139.4	130.9	127.3	125.5
15°	417.0	365.2	274.9	211.6	173.9	144.9	121.1	109.9	108.1	107.6	107.7
17.5°	427.6	361.8	251.9	184.3	144.8	113.2	101.1	100.4	100.7	100.7	100.7
20°	437.1	353.9	226.8	160.9	117.1	95.5	93.0	91.9	91.1	90.5	89.7
22.5°	444.5	343.3	202.6	137.7	95.7	87.5	83.5	80.0	77.2	75.3	74.4
25°	449.6	329.3	180.5	115.5	86.0	79.6	72.5	66.6	62.2	59.6	58.4
27.5°	453.4	314.0	160.7	96.7	79.5	70.5	61.2	54.2	49.6	47.3	46.3
30°	456.1	296.8	143.4	84.9	72.1	60.8	50.8	44.1	40.8	39.5	38.9
32.5°	458.5	277.8	126.9	79.5	65.1	51.9	42.6	37.4	35.4	33.8	33.3
35°	464.9	260.0	111.3	73.6	58.0	44.3	36.6	32.9	30.8	29.9	29.5
37.5°	479.8	247.0	96.3	67.5	50.8	38.3	32.0	29.4	27.4	26.5	26.2
40°	504.1	240.3	83.7	61.2	43.9	33.8	29.0	26.5	24.5	23.0	22.7
42.5°	539.6	241.2	74.9	54.7	38.3	30.2	26.2	23.2	21.0	19.7	19.4
45°	582.7	248.2	68.7	48.3	33.8	27.3	23.0	19.9	17.8	16.7	16.4
47.5°	629.4	259.5	63.6	42.6	30.2	24.6	19.9	16.5	14.8	13.9	13.7
50°	678.7	270.4	58.4	37.1	27.0	22.0	16.7	13.7	12.3	11.6	11.2
52.5°	728.6	282.9	53.7	32.0	24.3	18.8	13.9	11.2	10.1	9.5	9.1
55°	782.2	292.4	49.1	28.1	21.6	16.0	11.6	9.3	8.4	7.6	7.4
57.5°	845.5	307.1	44.3	24.3	18.5	13.2	9.5	7.4	6.7	5.8	5.7
60°	930.7	324.4	39.4	21.5	15.1	10.9	7.7	6.0	5.1	4.4	4.2
62.5°	1043.1	343.4	33.0	18.8	12.3	8.8	6.2	4.7	3.7	2.8	2.8
65°	1185.7	374.5	27.0	15.8	10.1	7.2	4.7	3.5	2.1	1.2	1.2
67.5°	1268.9	379.9	21.8	13.0	8.2	6.2	3.9	2.3	0.7	0.2	0.0
69°	1242.3	348.8	18.5	11.1	7.1	5.8	3.7	1.7	0.3	0.0	0.0
70°	1192.0	318.9	16.3	9.8	6.5	5.5	3.5	1.2	0.3	0.0	0.0
72.5°	985.0	227.1	12.3	7.2	4.7	4.9	3.2	0.8	0.3	0.0	0.0
75°	717.5	138.0	8.8	5.1	3.0	3.7	2.3	0.3	0.2	0.0	0.0
77.5°	399.1	65.1	5.5	2.8	1.9	2.3	1.1	0.0	0.0	0.0	0.0
80°	129.6	17.7	2.5	1.6	1.1	1.2	0.5	0.0	0.0	0.0	0.0
82.5°	24.0	5.1	1.4	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0
85°	5.2	2.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.7	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)