

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: P385685

Luminaire Tested: GAW-SA1B-730-U-SL2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1B-730-U-SL2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5445 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

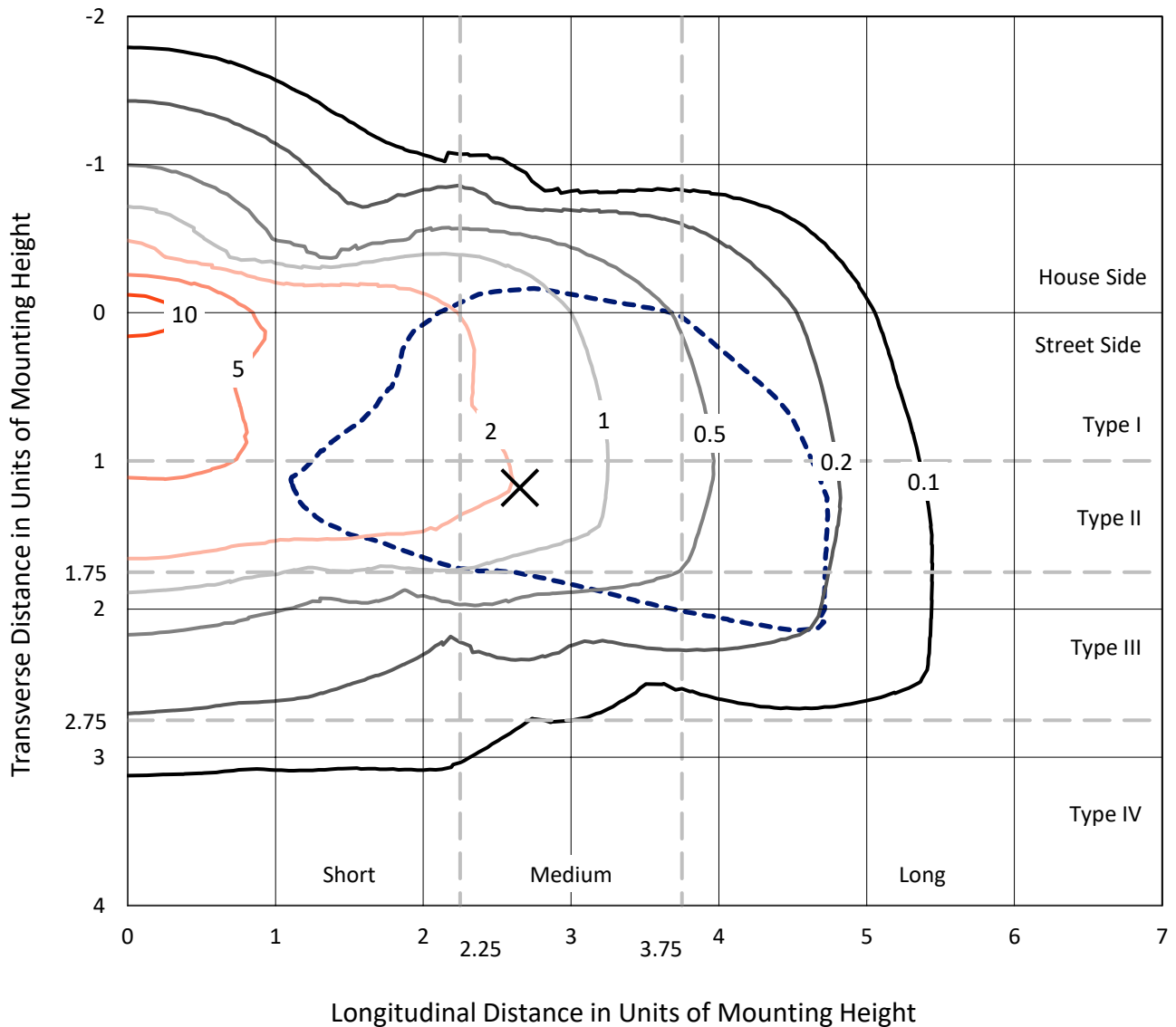
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

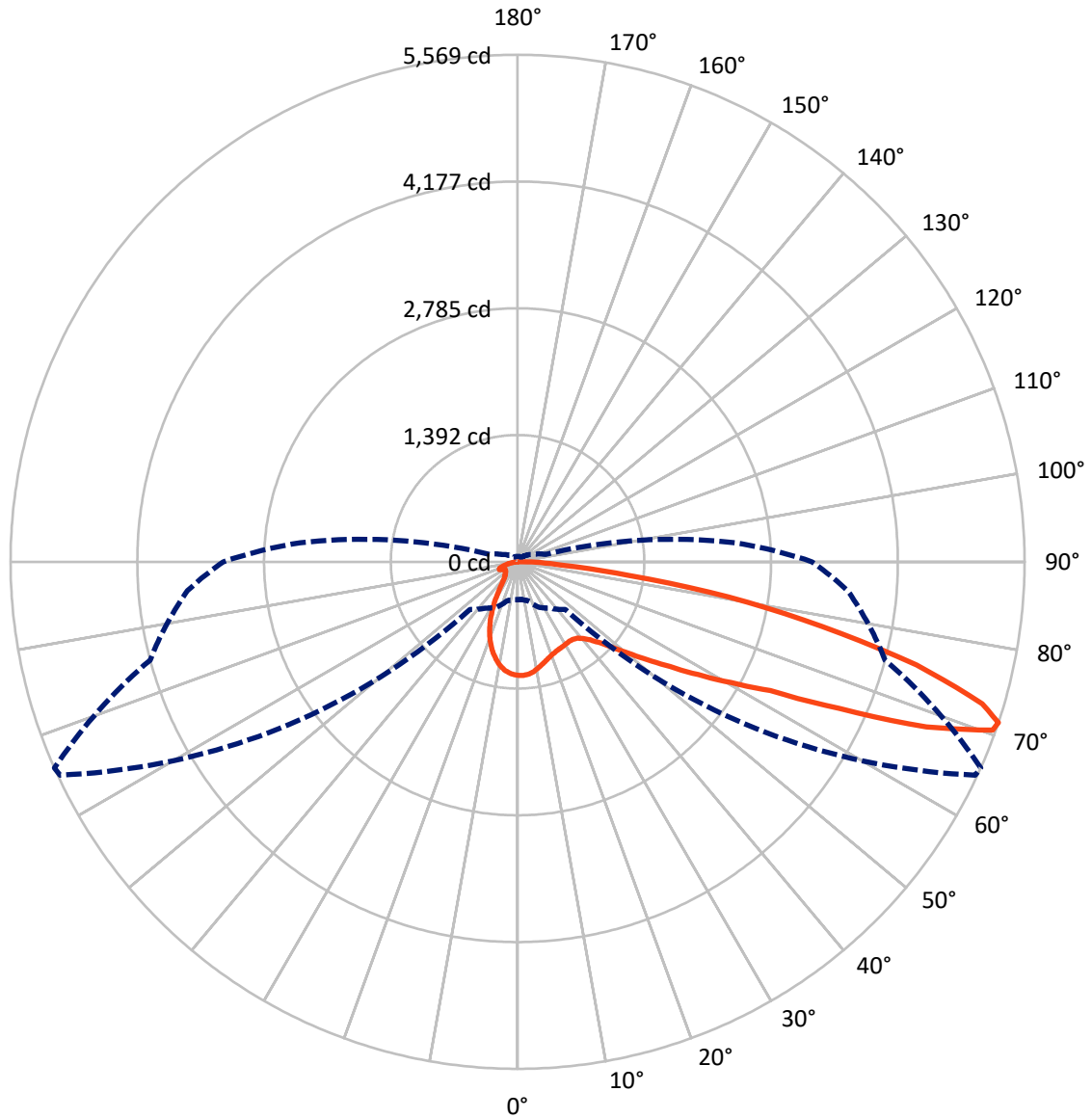
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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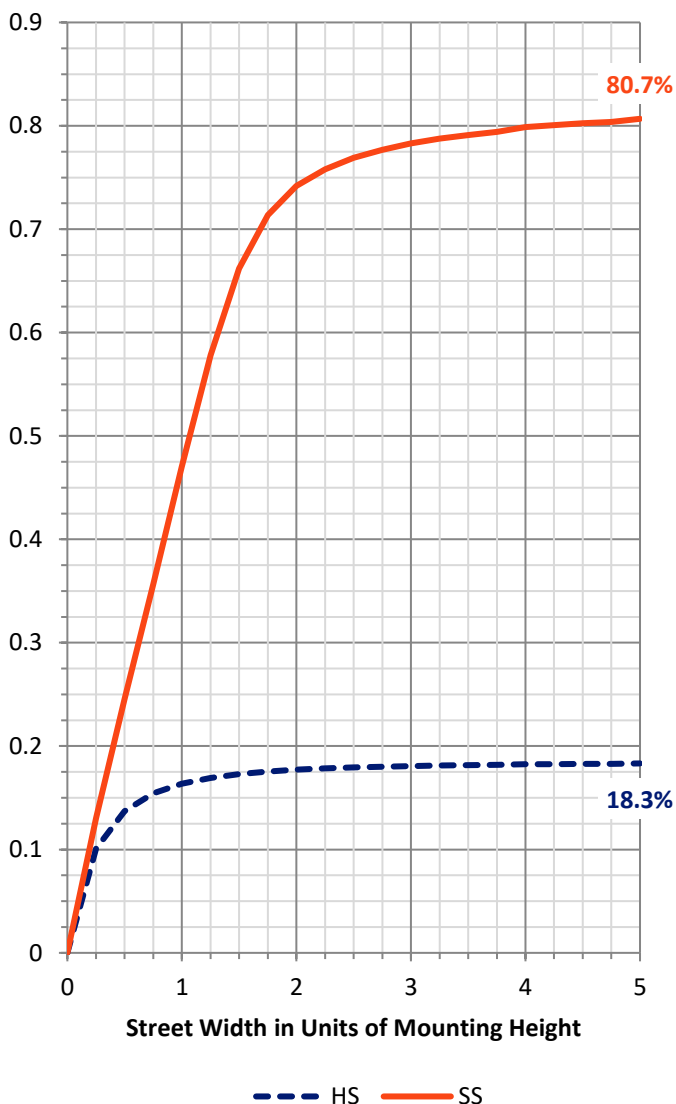
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1009.1	0.0	1009.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	4435.9	0.0	4435.9
	% Fixture	81.5	0.0	81.5
Total	Lumens	5445.0	0.0	5445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	2.0
10°-20°	263.3	4.8
20°-30°	353.7	6.5
30°-40°	465.3	8.5
40°-50°	676.9	12.4
50°-60°	1057.4	19.4
60°-70°	1324.6	24.3
70°-80°	1010.4	18.6
80°-90°	183.5	3.4
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°	5445.0	100.0
0°-180°	5445.0	100.0

Coefficient of Utilization

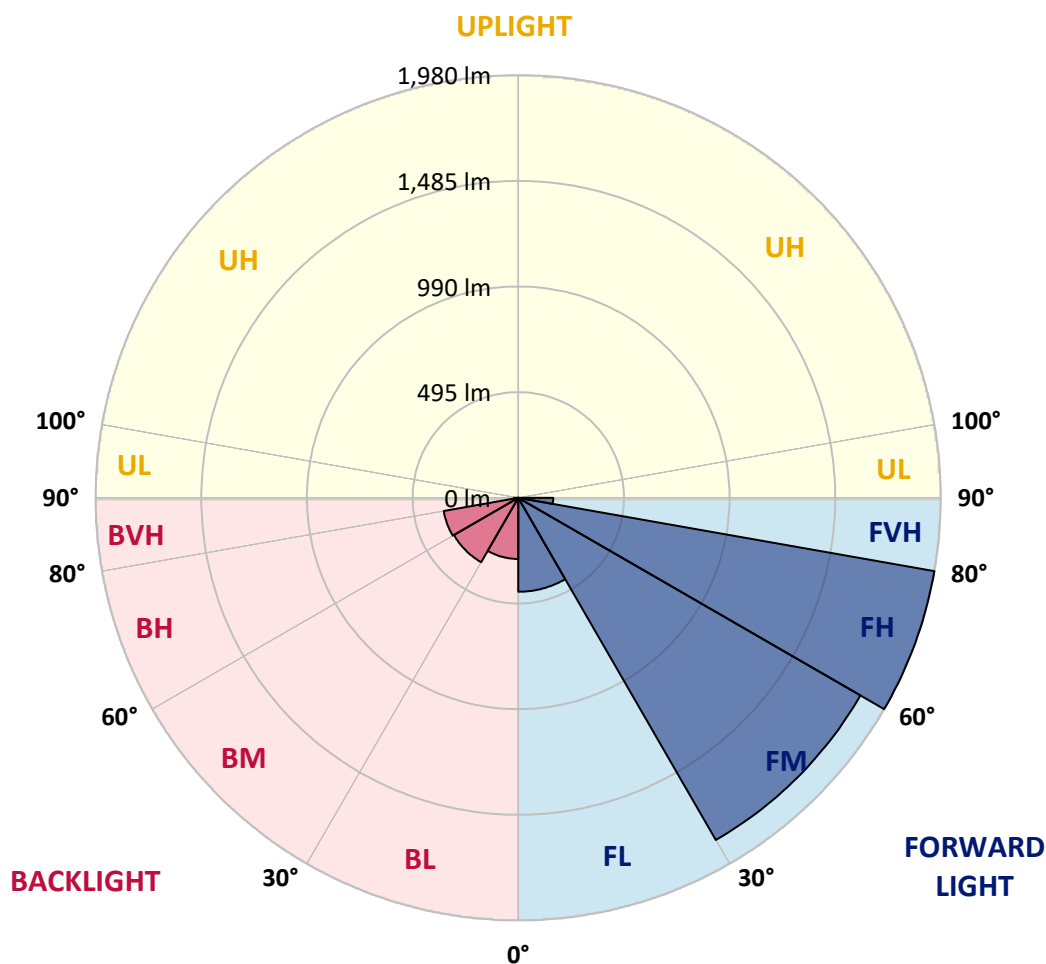


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	440.3	8.1			
FM (30°-60°)	1851.6	34.0			
FH (60°-80°)	1980.4	36.4			G2/5000
FVH (80°-90°)	163.6	3.0			G2/225
BL (0°-30°)	286.6	5.3	B1/500		
BM (30°-60°)	348.1	6.4	B1/1000		
BH (60°-80°)	354.6	6.5	B1/500		G1/500
BVH (80°-90°)	19.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3
2.5°	1224.2	1222.3	1228.0	1233.8	1236.1	1239.8	1245.5	1248.7	1248.5	1249.0	1247.2
5°	1143.0	1140.6	1151.8	1161.1	1178.7	1198.7	1222.9	1240.2	1240.6	1250.4	1253.0
7.5°	1066.1	1064.4	1077.4	1092.2	1112.7	1143.2	1182.5	1219.7	1222.0	1248.5	1257.7
10°	1004.5	1004.1	1016.7	1032.8	1056.7	1090.7	1135.9	1190.4	1193.8	1239.4	1258.4
12.5°	956.3	957.1	968.0	986.4	1011.6	1047.1	1096.0	1157.5	1162.9	1225.2	1254.1
15°	920.8	923.8	932.6	951.3	976.1	1012.2	1062.4	1127.0	1135.3	1209.2	1251.7
17.5°	900.5	903.9	910.1	925.5	948.8	983.6	1031.2	1102.0	1109.5	1197.0	1251.9
20°	894.5	897.3	900.9	910.3	930.0	961.6	1006.5	1079.5	1087.5	1187.2	1253.7
22.5°	906.3	908.4	908.8	908.0	920.0	945.8	988.7	1062.9	1071.6	1180.8	1255.1
25°	931.7	934.5	932.5	925.5	921.5	937.3	979.5	1052.0	1060.7	1176.1	1252.4
27.5°	969.9	970.2	968.5	959.5	940.9	938.3	976.6	1045.6	1053.9	1170.6	1247.0
30°	1021.8	1024.2	1021.2	1009.0	978.5	953.3	980.0	1039.4	1046.9	1163.7	1238.1
32.5°	1082.5	1088.5	1088.3	1075.5	1031.9	987.0	993.9	1035.7	1041.5	1156.4	1227.4
35°	1145.5	1153.7	1169.1	1163.7	1109.7	1040.2	1020.6	1041.7	1045.6	1155.4	1219.9
37.5°	1210.9	1219.1	1250.9	1265.6	1202.4	1116.3	1062.7	1062.9	1064.8	1166.9	1219.3
40°	1279.3	1288.1	1335.9	1374.1	1322.5	1212.8	1130.6	1107.3	1105.2	1195.1	1230.4
42.5°	1375.2	1383.1	1440.4	1489.1	1455.8	1336.3	1224.4	1175.7	1171.4	1250.4	1266.0
45°	1496.4	1503.2	1564.1	1616.2	1599.1	1477.3	1342.3	1269.9	1269.2	1342.5	1338.0
47.5°	1640.6	1645.9	1700.6	1751.0	1757.2	1639.5	1490.4	1415.2	1403.0	1468.8	1449.4
50°	1790.8	1796.7	1833.9	1888.0	1934.1	1856.6	1681.0	1593.3	1576.9	1635.6	1607.4
52.5°	1890.3	1898.0	1930.3	1998.9	2133.0	2094.6	1906.5	1809.1	1784.3	1837.6	1816.0
55°	1845.9	1863.2	1912.7	2022.6	2292.0	2458.2	2184.5	2060.8	2032.8	2077.2	2064.4
57.5°	1644.2	1667.9	1735.4	1905.1	2314.4	2778.6	2604.9	2357.3	2337.5	2324.7	2330.6
60°	1275.5	1298.3	1381.9	1603.2	2158.6	3012.4	3237.5	2722.7	2694.2	2573.3	2578.5
62.5°	902.8	891.3	948.6	1110.5	1754.0	3039.9	3957.3	3211.5	3117.5	2835.7	2812.6
65°	688.4	685.8	711.6	763.1	1062.4	2711.4	4386.1	4033.0	3886.2	3144.4	3089.9
67.5°	565.7	561.0	586.4	661.4	684.1	1749.3	4395.5	4986.2	4842.0	3528.7	3410.6
70°	465.1	459.8	483.5	580.3	632.2	887.1	3699.4	5544.3	5536.6	4015.2	3652.7
71°	417.0	413.2	441.6	549.1	621.1	739.4	3194.0	5545.8	5569.0	4179.9	3638.4
72.5°	339.5	340.8	370.9	488.8	612.9	652.9	2347.5	5287.3	5336.2	4336.8	3508.5
75°	225.6	226.7	266.2	376.0	594.3	638.8	1290.2	4436.7	4526.5	4242.8	3201.5
77.5°	151.5	151.1	178.0	257.9	517.7	638.8	756.5	3318.3	3417.0	3376.0	2468.2
80°	104.3	103.6	122.6	178.0	392.0	646.5	584.9	2325.5	2355.4	1823.2	1003.1
82.5°	63.9	64.5	80.1	125.8	266.8	581.8	552.1	1268.0	1235.5	511.3	250.6
85°	36.7	36.5	51.1	85.2	171.3	491.0	538.4	545.7	500.6	154.0	90.6
87.5°	13.2	14.1	27.4	47.2	98.1	342.0	456.8	283.9	255.9	69.6	41.0
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°	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3	1247.3
2.5°	1245.8	1247.0	1245.7	1238.1	1231.7	1221.4	1215.6	1207.5	1205.0	1203.9	1206.9
5°	1250.5	1250.9	1239.8	1220.1	1197.9	1171.8	1153.0	1129.8	1118.9	1114.2	1117.3
7.5°	1254.9	1253.2	1228.9	1191.1	1150.2	1104.7	1064.2	1027.2	1005.6	996.7	997.5
10°	1255.4	1248.3	1209.4	1150.9	1087.4	1020.6	958.6	901.4	865.3	841.8	849.0
12.5°	1249.6	1237.6	1180.6	1098.8	1010.7	919.7	835.8	750.1	698.6	674.7	675.5
15°	1245.1	1223.3	1145.3	1037.5	919.1	798.6	684.1	583.3	528.5	504.0	492.5
17.5°	1241.3	1207.9	1104.3	968.5	811.0	658.2	520.6	430.7	400.6	393.5	390.5
20°	1236.1	1191.5	1058.6	888.7	687.9	501.0	380.1	335.8	335.9	344.2	345.3
22.5°	1228.7	1172.9	1009.9	799.0	555.7	364.9	298.0	285.2	298.2	314.0	316.8
25°	1217.8	1150.9	955.8	699.9	423.7	280.5	254.5	254.0	269.8	286.3	288.8
27.5°	1202.4	1122.1	895.6	593.5	312.3	238.4	228.0	232.0	243.6	255.7	256.6
30°	1181.7	1088.7	829.2	481.3	244.8	212.2	211.1	214.7	221.8	230.3	231.0
32.5°	1159.0	1054.6	758.4	372.6	209.6	198.1	199.3	201.0	204.4	207.7	208.5
35°	1138.3	1019.9	685.8	283.1	192.9	188.9	188.2	187.8	188.2	187.1	187.2
37.5°	1125.0	991.1	610.2	225.4	183.3	180.9	178.6	175.8	172.6	170.7	171.1
40°	1120.1	969.7	533.7	194.8	175.4	173.7	169.4	163.4	159.6	158.5	158.5
42.5°	1133.2	958.6	459.8	179.3	168.8	166.0	158.9	151.9	149.1	148.9	148.7
45°	1173.5	963.1	389.5	170.9	162.8	157.4	148.0	142.1	140.2	140.6	140.4
47.5°	1245.7	991.5	329.4	165.2	156.8	149.6	139.1	134.4	132.2	132.2	132.3
50°	1368.4	1057.8	281.4	160.5	151.7	142.5	132.7	126.9	123.9	123.7	123.7
52.5°	1547.2	1176.7	251.5	156.6	146.1	136.1	126.3	119.0	115.4	114.7	114.3
55°	1771.3	1347.0	243.3	154.0	138.6	129.2	118.6	111.3	107.3	105.7	105.5
57.5°	2021.9	1554.2	259.6	150.8	130.8	120.9	110.2	103.2	99.1	97.0	96.8
60°	2275.5	1780.3	326.4	146.3	124.5	111.9	101.5	95.1	91.0	88.7	88.4
62.5°	2529.5	2018.7	462.7	145.9	119.9	103.2	92.7	87.2	83.3	80.8	80.3
65°	2816.0	2279.6	617.6	155.8	118.4	95.3	83.7	79.3	75.9	73.7	73.5
67.5°	3145.0	2574.2	602.7	176.3	123.5	88.2	75.2	71.8	69.4	67.5	67.3
70°	3299.3	2528.2	374.7	190.8	130.7	81.2	67.1	64.7	62.8	61.5	60.9
71°	3234.6	2400.5	314.1	189.1	129.9	78.2	63.9	62.0	60.2	59.0	58.5
72.5°	3058.3	2189.2	262.1	176.0	121.4	72.8	59.8	57.9	56.2	54.9	54.5
75°	2744.3	1955.1	209.8	140.6	96.8	61.5	52.5	50.4	49.1	48.3	47.6
77.5°	2017.4	1395.3	162.2	111.1	71.2	50.2	44.7	43.2	41.9	40.8	40.2
80°	772.8	540.5	109.2	82.9	52.3	39.7	36.1	35.3	34.0	33.3	33.3
82.5°	208.1	161.5	58.3	50.2	35.0	29.0	27.6	27.3	26.1	24.6	24.8
85°	84.2	71.2	32.7	27.6	21.4	17.1	18.6	18.8	17.5	15.6	15.8
87.5°	37.0	30.3	18.2	12.2	9.4	6.6	8.5	8.5	7.7	6.4	5.8
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)