

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: P385880

Luminaire Tested: GAW-SA1C-727-U-SL2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-727-U-SL2-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5233 lumens
Efficiency: N/A
Efficacy: 88.7 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

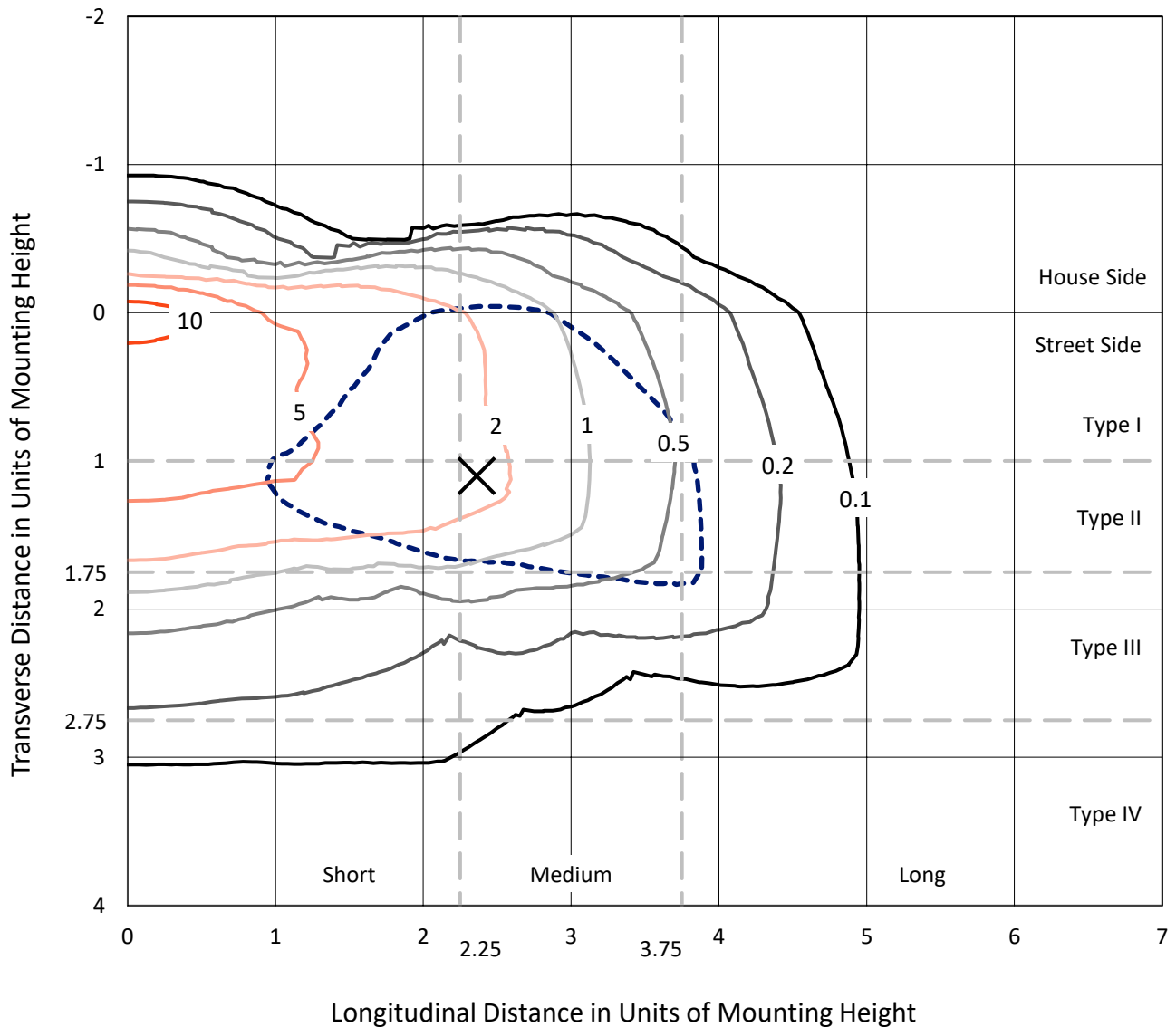
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

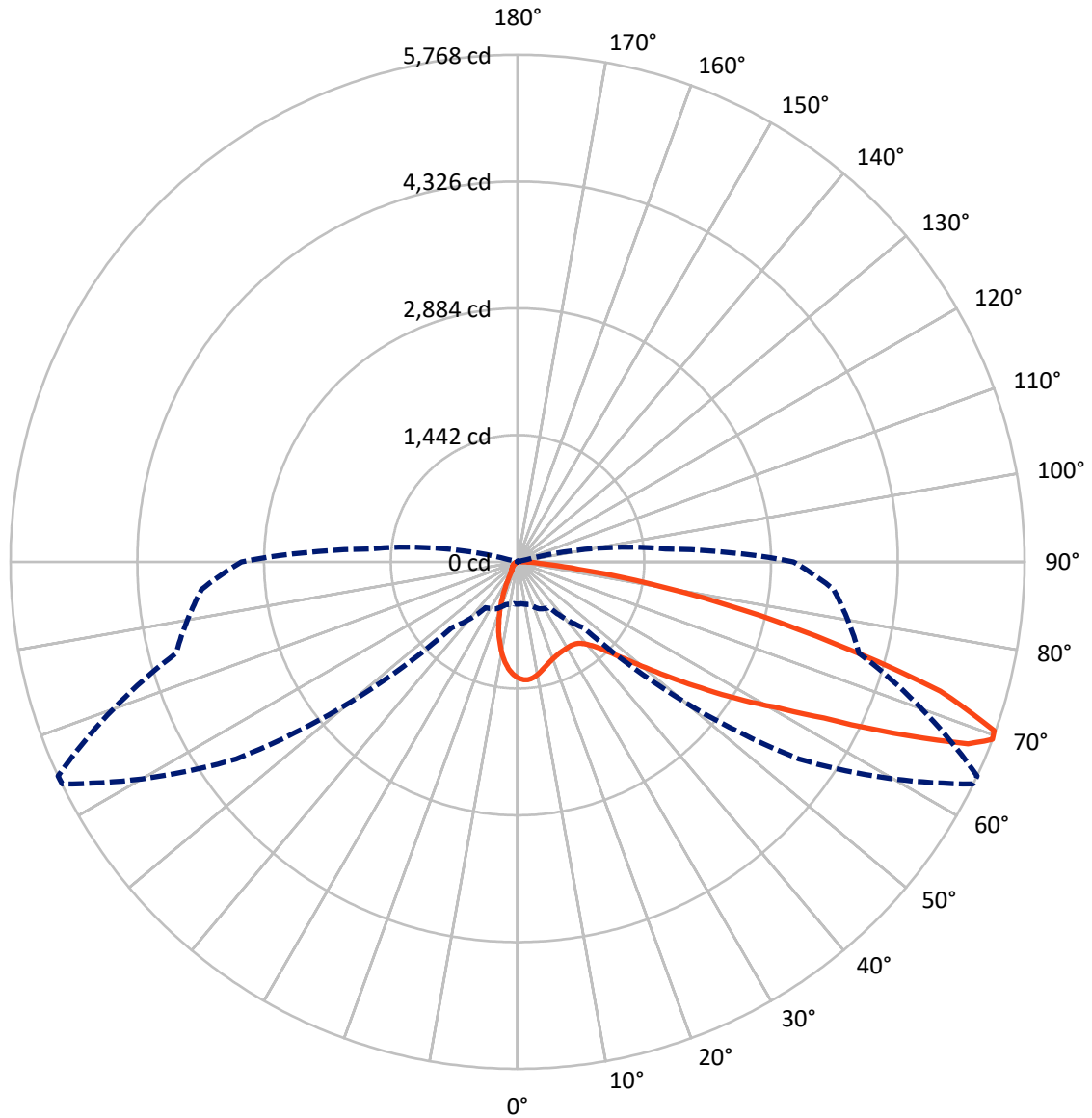
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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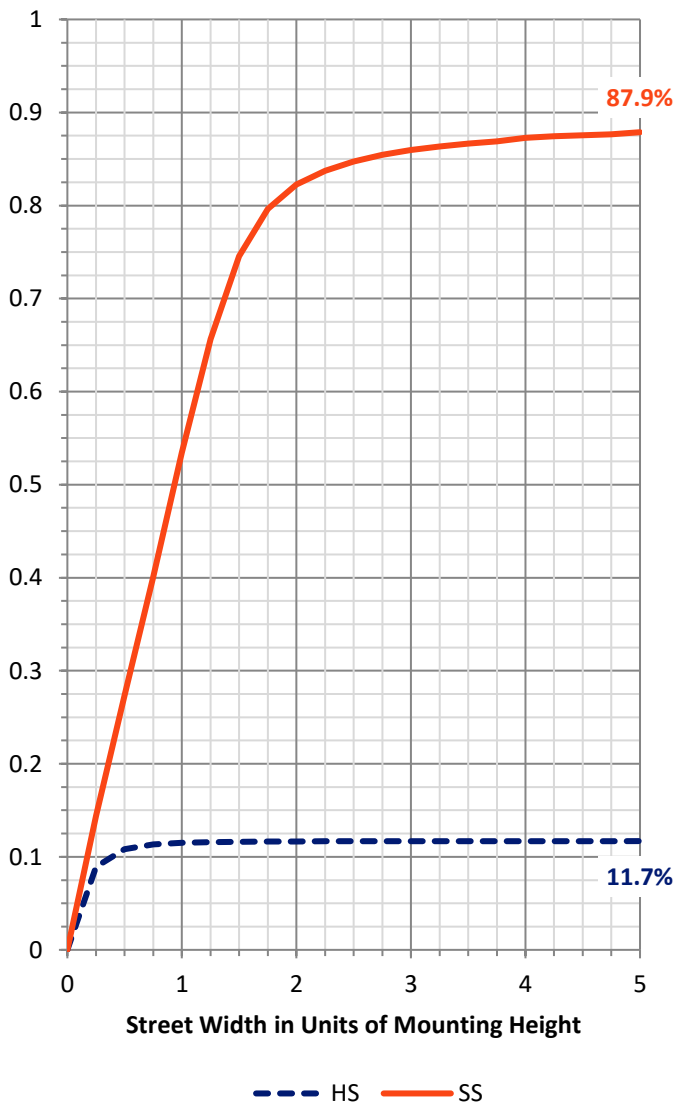
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	616.9	0.0	616.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4616.2	0.0	4616.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	5233.0	0.0	5233.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	2.1
10°-20°	242.1	4.6
20°-30°	335.3	6.4
30°-40°	467.5	8.9
40°-50°	726.6	13.9
50°-60°	1166.5	22.3
60°-70°	1319.5	25.2
70°-80°	774.9	14.8
80°-90°	90.1	1.7
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°	5233.0	100.0
0°-180°	5233.0	100.0

Coefficient of Utilization

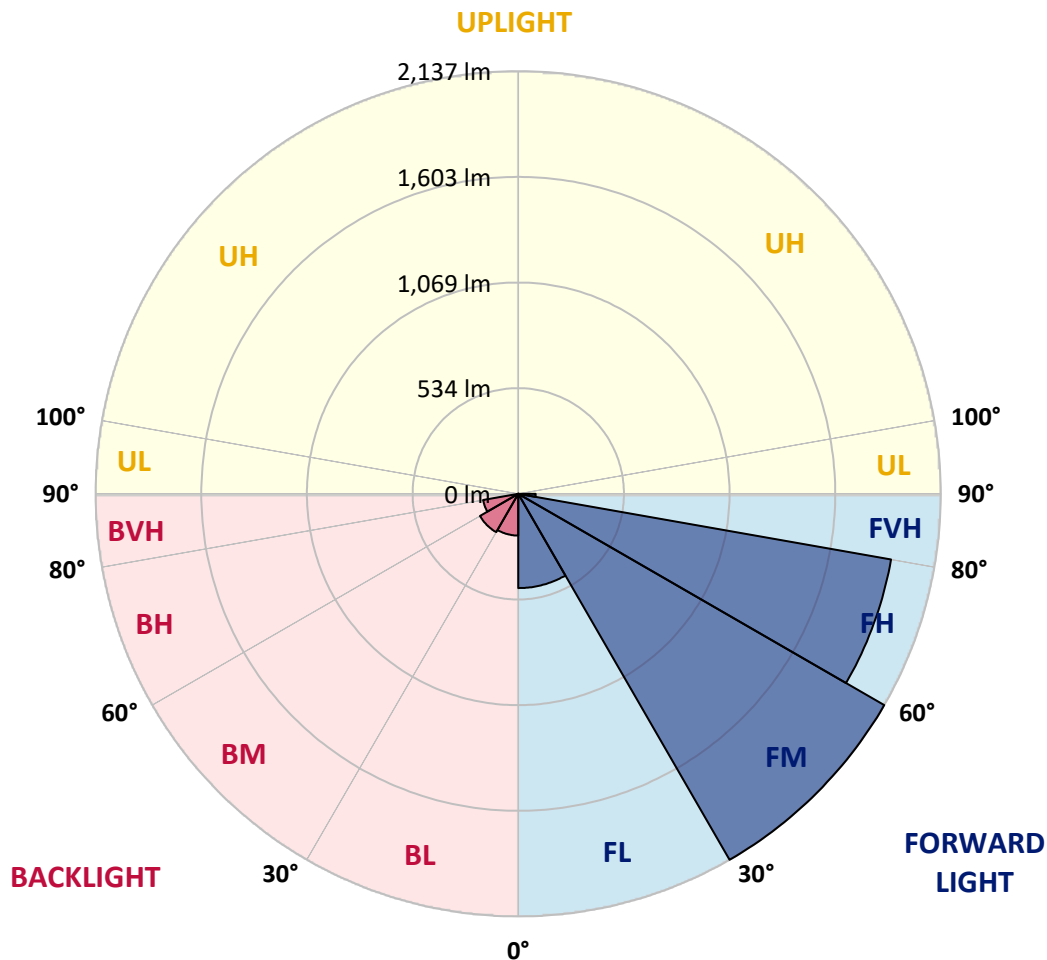


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	476.8	9.1			
FM (30°-60°)	2137.0	40.8			
FH (60°-80°)	1914.2	36.6			G2/5000
FVH (80°-90°)	88.1	1.7			G1/100
BL (0°-30°)	211.1	4.0	B1/500		
BM (30°-60°)	223.5	4.3	B1/1000		
BH (60°-80°)	180.2	3.4	B1/500		G1/500
BVH (80°-90°)	2.0	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4
2.5°	1334.1	1330.8	1333.5	1339.2	1342.1	1342.1	1344.3	1341.7	1342.5	1336.1	1326.8
5°	1250.6	1245.6	1252.9	1269.0	1289.0	1306.0	1331.2	1344.5	1345.9	1346.1	1335.2
7.5°	1160.7	1156.1	1166.9	1186.0	1211.7	1243.3	1287.4	1325.9	1328.1	1349.0	1341.0
10°	1087.7	1084.3	1097.0	1117.3	1147.5	1182.9	1236.9	1290.5	1296.9	1343.0	1340.1
12.5°	1029.7	1027.0	1039.0	1062.4	1093.2	1132.4	1188.9	1251.1	1259.7	1329.5	1335.7
15°	987.4	986.9	996.9	1019.5	1053.6	1090.1	1147.9	1214.6	1224.5	1314.9	1335.0
17.5°	965.2	965.9	973.2	992.5	1021.7	1058.0	1113.4	1183.8	1194.6	1301.8	1338.3
20°	963.0	963.7	967.7	978.5	1002.2	1034.3	1085.2	1157.9	1169.2	1292.1	1343.6
22.5°	982.5	982.0	983.2	982.0	995.3	1019.7	1066.6	1137.9	1151.0	1285.6	1347.9
25°	1019.9	1019.2	1018.8	1010.6	1001.8	1014.8	1058.9	1126.6	1139.0	1281.0	1350.3
27.5°	1071.9	1071.5	1070.8	1057.3	1030.8	1022.6	1059.8	1122.4	1132.8	1277.2	1349.8
30°	1140.4	1143.5	1142.6	1123.8	1082.4	1046.3	1069.1	1120.2	1129.3	1269.9	1345.2
32.5°	1220.8	1227.0	1231.8	1211.7	1159.9	1093.2	1090.5	1122.7	1129.3	1264.4	1336.8
35°	1304.2	1312.2	1330.1	1323.1	1254.9	1163.8	1127.5	1137.3	1142.8	1267.5	1332.8
37.5°	1386.4	1395.9	1434.9	1455.5	1379.3	1257.3	1185.1	1173.4	1176.2	1286.3	1337.2
40°	1481.8	1496.2	1555.3	1588.5	1527.9	1382.4	1271.2	1235.4	1236.5	1327.7	1357.8
42.5°	1607.1	1622.0	1686.0	1738.0	1695.3	1540.5	1388.2	1330.1	1329.0	1405.2	1406.3
45°	1759.9	1775.4	1841.6	1899.4	1880.2	1727.8	1537.8	1468.5	1467.2	1527.4	1498.2
47.5°	1933.1	1948.4	2007.5	2067.1	2087.9	1946.6	1728.5	1657.4	1654.3	1697.3	1640.1
50°	2081.7	2091.6	2146.1	2226.3	2320.2	2215.4	1965.6	1897.2	1893.9	1922.9	1848.5
52.5°	2135.7	2141.5	2196.8	2309.1	2543.4	2579.5	2277.2	2189.1	2186.6	2199.3	2126.0
55°	2026.3	2036.7	2104.7	2271.2	2664.3	2990.9	2670.5	2550.4	2532.1	2504.8	2416.0
57.5°	1728.3	1744.9	1818.0	2039.4	2607.8	3317.3	3248.4	2959.2	2932.2	2765.7	2651.9
60°	1294.9	1315.3	1376.0	1614.9	2306.4	3433.5	3879.9	3414.7	3353.8	2973.4	2868.6
62.5°	888.6	898.8	940.0	1095.6	1698.6	3243.1	4408.3	4024.7	3913.6	3199.2	3103.1
65°	678.7	682.2	699.1	752.6	1011.5	2634.4	4618.4	4829.6	4695.2	3469.4	3346.5
67.5°	546.9	544.1	567.3	643.9	677.4	1607.1	4373.3	5591.1	5528.3	3830.5	3591.4
69°	482.3	478.3	502.0	591.0	636.2	1062.4	3909.6	5764.1	5768.1	4021.2	3608.2
70°	434.0	436.7	460.1	559.6	622.2	833.9	3466.7	5720.0	5751.5	4092.5	3507.3
72.5°	289.9	296.9	344.1	464.6	598.3	631.1	2093.2	4908.5	5029.4	3932.0	3009.0
75°	163.4	168.7	224.8	350.3	563.8	601.0	1105.6	3616.2	3733.1	3288.0	2320.4
77.5°	80.2	83.0	127.1	226.1	471.4	572.6	627.1	2456.3	2589.9	2146.1	1312.4
80°	33.9	35.4	63.6	139.5	337.0	546.5	465.7	1511.7	1528.3	840.8	349.6
82.5°	13.1	13.5	26.8	87.0	214.1	426.0	389.5	716.8	699.5	158.3	79.7
85°	1.6	1.8	9.7	52.3	119.1	219.2	316.4	308.9	285.9	31.4	41.0
87.5°	0.0	0.0	0.7	15.9	35.4	102.7	164.5	128.2	115.6	10.2	21.3
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°	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4	1322.4
2.5°	1319.1	1316.9	1304.9	1287.6	1271.2	1250.9	1231.4	1219.6	1210.3	1204.1	1211.5
5°	1322.6	1312.9	1276.6	1230.1	1184.4	1133.1	1085.2	1044.7	1028.8	1011.1	1019.0
7.5°	1321.5	1303.1	1237.8	1155.0	1071.3	984.7	902.8	839.7	806.9	774.8	783.0
10°	1316.0	1285.0	1186.0	1063.3	938.0	813.5	697.3	608.9	559.6	514.8	521.2
12.5°	1303.8	1260.6	1124.9	958.4	790.7	626.7	490.5	377.3	316.6	289.9	293.2
15°	1296.5	1236.9	1060.2	852.1	633.5	436.4	299.8	223.0	195.3	186.4	187.6
17.5°	1292.9	1214.1	993.3	730.5	472.8	277.9	193.8	170.9	165.0	163.4	163.9
20°	1289.4	1191.1	924.5	610.3	325.7	186.9	159.2	152.6	150.4	148.4	148.8
22.5°	1283.4	1168.9	850.5	488.5	219.7	151.7	143.5	137.1	132.4	130.0	130.4
25°	1276.1	1145.7	775.0	363.8	160.3	135.3	127.5	118.5	112.9	108.5	108.7
27.5°	1264.4	1117.1	697.1	264.8	134.6	121.1	110.7	100.8	91.5	86.4	86.4
30°	1248.0	1084.8	610.5	189.5	120.7	107.2	94.6	82.2	72.2	67.5	67.1
32.5°	1229.8	1051.1	523.0	143.7	109.6	94.1	79.7	66.7	57.8	54.0	53.8
35°	1214.3	1014.8	435.8	120.5	98.5	81.5	65.8	54.7	47.6	44.5	44.3
37.5°	1204.4	978.5	350.7	107.6	88.6	69.8	55.1	45.2	40.1	37.6	37.4
40°	1202.8	951.5	273.0	97.9	79.3	59.3	46.1	38.3	33.7	31.0	30.8
42.5°	1223.0	936.0	209.5	89.7	69.8	50.3	39.2	32.8	27.9	25.2	25.0
45°	1275.9	940.9	161.2	82.4	60.2	42.5	33.2	27.2	22.8	20.8	20.4
47.5°	1372.4	974.5	128.2	75.1	51.2	36.1	28.3	22.6	18.8	16.8	16.6
50°	1544.3	1053.6	107.2	67.1	42.7	30.8	23.5	18.4	15.3	13.5	13.3
52.5°	1772.3	1194.4	95.7	59.3	35.4	26.1	19.3	14.6	12.0	10.6	10.4
55°	2023.9	1364.9	88.1	50.9	29.0	21.7	15.3	11.5	9.3	8.2	7.8
57.5°	2269.5	1512.6	81.0	42.7	24.1	17.7	12.2	9.1	7.3	6.2	6.0
60°	2495.1	1648.3	72.9	34.3	19.7	14.0	9.5	7.1	5.8	4.7	4.7
62.5°	2736.7	1753.3	61.6	26.8	16.2	10.6	7.8	6.4	4.7	4.0	3.8
65°	2992.6	1831.2	48.3	20.8	12.6	8.0	6.4	6.6	3.8	2.9	2.7
67.5°	3181.7	1815.7	35.7	16.4	9.7	6.2	6.2	7.1	3.3	2.2	2.0
69°	3140.1	1689.7	29.9	14.2	8.4	5.3	5.8	7.1	3.1	2.0	1.8
70°	3019.4	1550.2	26.4	12.6	7.5	4.9	5.5	6.9	2.9	2.0	1.8
72.5°	2514.6	1167.6	20.6	9.5	6.0	4.0	4.7	6.0	2.9	2.0	1.6
75°	1891.5	747.3	15.7	6.9	4.4	3.1	3.5	4.4	2.9	1.8	1.6
77.5°	1029.2	269.5	11.3	4.7	3.1	2.4	2.4	3.3	2.7	1.3	0.9
80°	264.6	67.8	7.1	3.1	2.4	1.8	1.6	2.2	1.6	0.2	0.0
82.5°	65.3	15.3	3.8	2.2	1.8	0.7	0.7	1.1	0.7	0.0	0.0
85°	35.9	7.5	2.4	1.6	0.9	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	18.4	2.2	0.7	0.4	0.2	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)