

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526580

Luminaire Tested: **GALN-SA1C-735-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-735-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5650 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

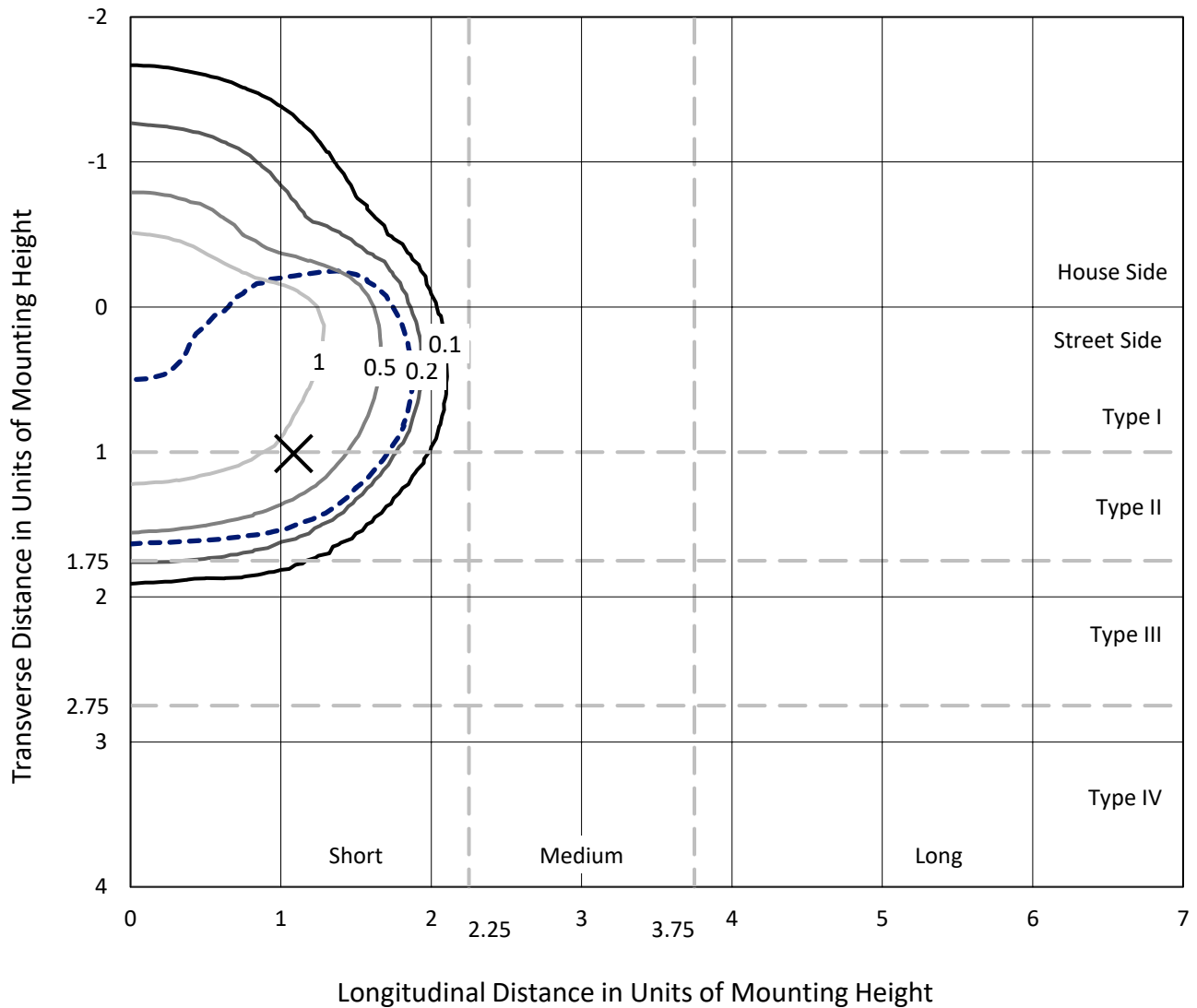
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

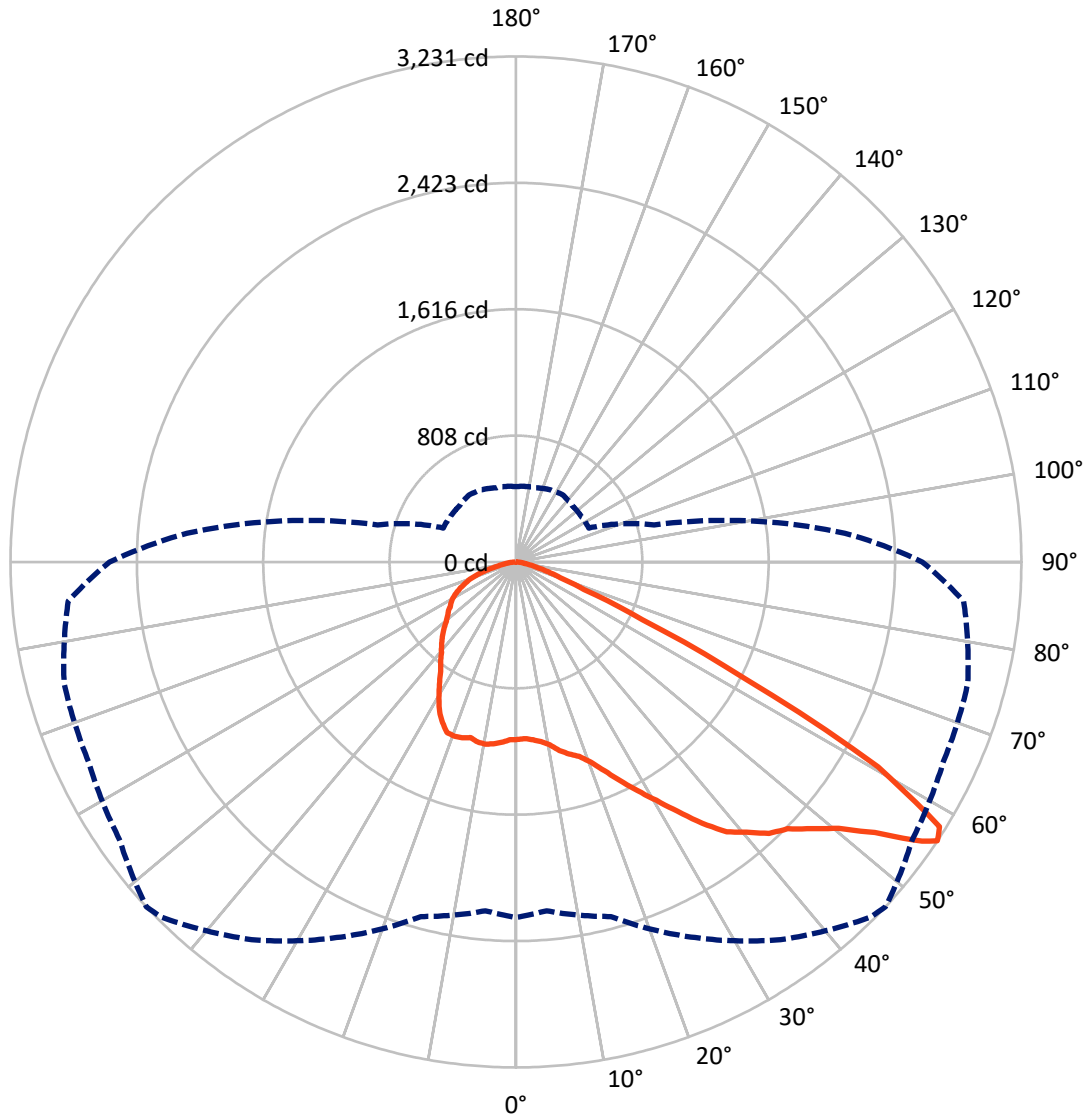
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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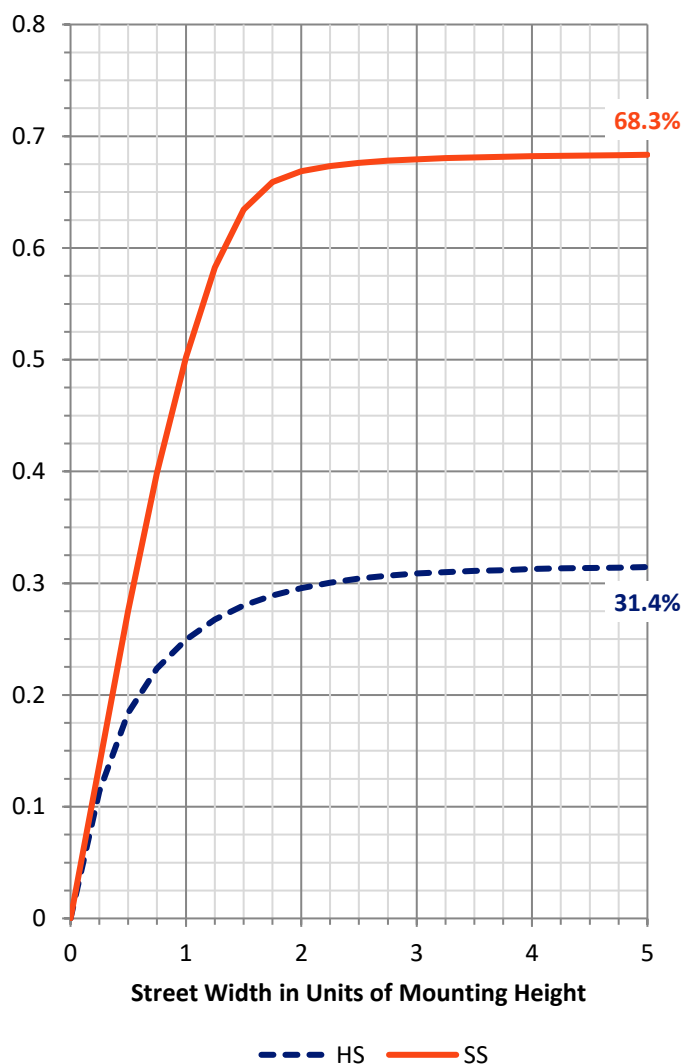
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1790.4	0.0	1790.4
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	3859.6	0.0	3859.6
	% Fixture	68.3	0.0	68.3
Total	Lumens	5650.0	0.0	5650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	2.0
10°-20°	348.8	6.2
20°-30°	616.6	10.9
30°-40°	926.2	16.4
40°-50°	1271.1	22.5
50°-60°	1514.3	26.8
60°-70°	648.0	11.5
70°-80°	183.4	3.2
80°-90°	30.9	0.5
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°	5650.0	100.0
0°-180°	5650.0	100.0

Coefficient of Utilization

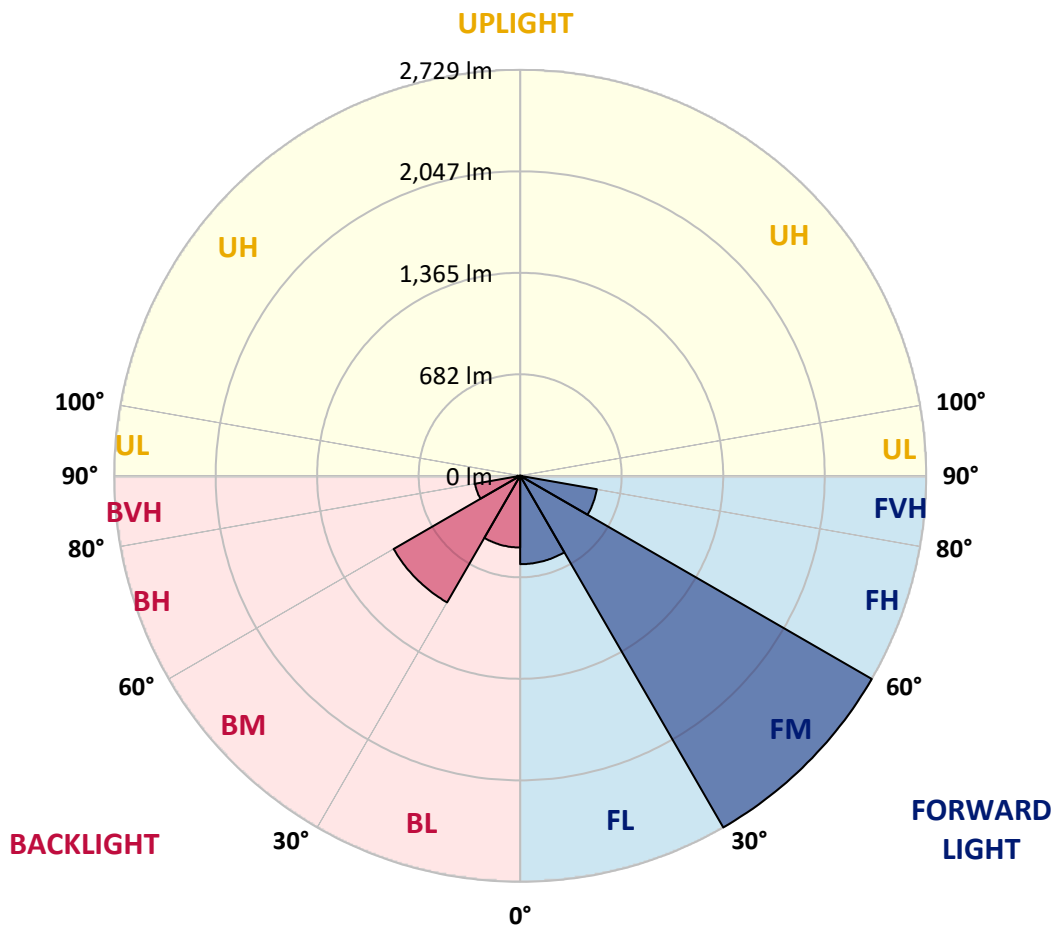


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	594.0	10.5			
FM (30°-60°)	2729.1	48.3			
FH (60°-80°)	523.4	9.3			G0/660
FVH (80°-90°)	13.1	0.2			G1/100
BL (0°-30°)	482.1	8.5	B1/500		
BM (30°-60°)	982.5	17.4	B1/1000		
BH (60°-80°)	308.0	5.5	B1/500		G1/500
BVH (80°-90°)	17.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9
2.5°	1130.6	1128.4	1127.0	1138.5	1134.2	1134.9	1130.6	1134.9	1137.8	1131.3	1140.7
5°	1128.4	1134.9	1129.1	1132.8	1142.1	1139.2	1142.1	1150.8	1148.6	1146.4	1143.6
7.5°	1148.6	1149.3	1153.6	1155.1	1158.0	1155.1	1159.4	1167.3	1165.2	1152.9	1154.4
10°	1177.4	1178.9	1179.6	1187.5	1192.6	1193.3	1188.2	1181.0	1180.3	1196.9	1185.4
12.5°	1210.6	1207.0	1215.6	1218.5	1224.3	1230.8	1237.2	1222.1	1231.5	1232.2	1218.5
15°	1258.9	1262.5	1252.4	1252.4	1254.5	1255.3	1273.3	1266.1	1264.6	1256.7	1262.5
17.5°	1330.9	1306.4	1305.7	1295.6	1294.2	1299.9	1306.4	1312.2	1331.6	1315.8	1284.8
20°	1383.5	1389.3	1368.4	1356.1	1358.3	1371.3	1364.8	1390.7	1404.4	1378.5	1348.2
22.5°	1476.5	1457.0	1462.1	1434.7	1436.8	1450.5	1449.8	1476.5	1484.4	1443.3	1399.4
25°	1539.2	1534.1	1538.4	1516.8	1519.7	1530.5	1547.8	1591.8	1578.8	1533.4	1431.8
27.5°	1630.7	1620.6	1617.0	1609.1	1606.2	1635.0	1655.2	1702.0	1692.6	1626.3	1489.4
30°	1724.3	1717.9	1721.5	1689.0	1700.6	1761.8	1767.6	1831.7	1827.4	1710.7	1553.6
32.5°	1789.2	1792.8	1799.3	1781.3	1832.4	1881.4	1900.9	1973.7	1977.3	1855.5	1677.5
35°	1893.7	1881.4	1885.0	1905.9	1929.7	2019.1	2050.8	2099.0	2129.3	2007.5	1796.4
37.5°	1959.3	1972.2	1957.1	1990.2	2052.2	2159.6	2188.4	2238.1	2269.8	2157.4	1958.5
40°	2061.6	2040.7	2051.5	2075.3	2138.7	2278.5	2270.5	2321.7	2331.8	2285.0	2109.9
42.5°	2171.8	2161.7	2146.6	2200.7	2254.0	2355.6	2371.4	2347.6	2398.8	2409.6	2326.0
45°	2303.7	2315.9	2318.1	2319.5	2366.4	2455.0	2433.4	2412.5	2471.6	2550.1	2460.1
47.5°	2426.2	2387.3	2415.4	2454.3	2520.6	2521.3	2546.5	2496.8	2559.5	2629.4	2581.1
50°	2467.3	2448.5	2486.0	2559.5	2661.8	2672.6	2675.5	2604.9	2637.3	2692.8	2622.9
52.5°	2451.4	2444.9	2540.8	2654.6	2804.5	2859.3	2873.7	2786.5	2804.5	2779.3	2715.1
55°	2375.8	2395.2	2491.8	2723.8	2953.7	3123.0	3150.4	3040.1	2925.6	2945.0	2874.4
56°	2272.0	2238.1	2346.2	2645.2	2947.2	3208.7	3231.1	3093.4	3015.6	2990.4	2873.0
57.5°	1927.6	1883.6	2025.6	2380.1	2783.6	3176.3	3192.9	3115.8	3000.5	2949.3	2663.3
60°	1128.4	1150.0	1330.2	1641.5	2147.3	2604.2	2659.7	2715.9	2638.8	2409.6	1982.3
62.5°	544.8	531.1	660.1	941.1	1308.6	1662.4	1645.8	1803.6	1890.1	1712.1	1251.6
65°	285.3	283.9	360.3	513.8	719.1	873.3	888.5	973.5	1092.4	882.0	635.6
67.5°	209.7	215.5	253.6	361.0	462.6	472.0	469.8	512.3	523.9	443.2	390.6
70°	164.3	167.2	195.3	274.5	344.4	308.4	301.9	307.0	340.8	355.2	338.0
72.5°	118.9	121.8	145.6	185.2	215.5	210.4	214.7	242.8	284.6	299.8	281.7
75°	79.3	81.4	94.4	113.1	127.5	137.6	145.6	178.0	216.9	225.5	216.9
77.5°	54.8	56.9	65.6	80.0	81.4	87.9	90.8	105.9	129.7	140.5	134.7
80°	31.0	31.0	35.3	41.1	50.4	59.1	60.5	72.8	83.6	90.8	92.2
82.5°	14.4	15.1	18.7	25.2	33.1	41.1	42.5	50.4	58.4	65.6	67.7
85°	7.2	7.9	10.8	15.1	20.2	24.5	23.8	24.5	25.9	24.5	25.2
87.5°	2.2	2.2	2.9	3.6	2.9	3.6	3.6	4.3	5.0	5.8	6.5
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°	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9	1134.9
2.5°	1141.4	1143.6	1129.1	1142.8	1137.8	1137.1	1147.2	1145.7	1149.3	1147.9	1139.2
5°	1142.1	1137.1	1152.2	1138.5	1145.0	1158.7	1149.3	1170.9	1160.1	1167.3	1151.5
7.5°	1164.5	1165.9	1163.0	1168.8	1165.9	1172.4	1167.3	1172.4	1163.7	1164.5	1178.9
10°	1183.9	1179.6	1184.6	1177.4	1182.5	1180.3	1168.8	1165.2	1168.1	1164.5	1173.8
12.5°	1219.9	1212.0	1208.4	1199.8	1194.0	1172.4	1154.4	1144.3	1158.0	1160.1	1155.8
15°	1256.7	1257.4	1240.8	1221.4	1185.4	1152.9	1157.3	1160.9	1160.9	1166.6	1155.8
17.5°	1279.7	1279.7	1264.6	1225.7	1189.0	1170.2	1165.9	1154.4	1144.3	1142.8	1142.1
20°	1320.1	1307.9	1273.3	1225.0	1187.5	1178.9	1146.4	1119.1	1098.2	1091.0	1090.2
22.5°	1366.2	1335.2	1287.0	1226.4	1185.4	1173.1	1112.6	1071.5	1034.0	1018.2	1020.3
25°	1408.7	1359.0	1294.9	1219.9	1177.4	1118.3	1050.6	993.7	954.8	941.8	935.3
27.5°	1438.3	1384.2	1294.9	1225.7	1147.9	1057.1	987.9	915.1	881.3	872.6	874.1
30°	1477.9	1415.9	1317.2	1213.5	1088.8	977.8	895.0	847.4	827.2	820.0	825.1
32.5°	1570.9	1498.8	1348.2	1183.9	1018.9	898.6	831.5	804.9	775.3	760.9	755.9
35°	1671.7	1577.3	1378.5	1134.2	940.4	826.5	784.7	760.2	724.9	709.1	711.9
37.5°	1814.4	1678.2	1380.6	1052.0	855.3	786.2	748.0	709.8	680.9	656.4	649.2
40°	2006.8	1815.9	1375.6	965.6	786.9	738.6	710.5	662.9	630.5	613.2	616.8
42.5°	2176.2	1977.3	1354.7	867.6	724.9	706.2	674.5	627.6	595.9	577.9	576.5
45°	2318.8	2096.2	1315.1	784.0	673.0	670.1	633.4	597.4	572.1	555.6	562.8
47.5°	2450.7	2192.0	1255.3	700.4	625.5	631.2	595.9	573.6	557.7	542.6	541.9
50°	2498.3	2190.6	1202.6	631.2	587.3	584.4	582.9	559.2	542.6	529.6	535.4
52.5°	2577.5	2215.1	1145.7	583.7	552.7	553.4	558.4	541.2	522.4	514.5	521.7
55°	2691.4	2218.7	1020.3	528.2	523.9	528.9	528.9	517.4	501.5	495.0	491.4
56°	2598.4	2111.3	915.1	513.8	509.4	509.4	523.1	510.2	490.7	485.7	481.3
57.5°	2396.6	1849.7	766.0	496.5	490.0	500.1	507.3	493.6	475.6	468.4	472.7
60°	1653.0	1251.6	575.7	459.0	459.0	475.6	481.3	461.2	453.2	452.5	446.8
62.5°	964.9	729.2	450.4	425.1	426.6	440.3	444.6	433.1	423.0	435.2	441.0
65°	511.6	435.2	386.2	389.1	389.8	400.6	419.4	418.7	417.9	421.5	422.3
67.5°	370.4	361.7	350.9	348.0	349.5	357.4	376.1	390.6	389.8	381.2	374.7
70°	330.0	317.8	311.3	312.0	306.2	315.6	330.7	340.1	323.5	313.5	309.1
72.5°	274.5	270.9	266.6	267.3	255.8	253.6	236.4	236.4	232.0	229.1	234.2
75°	209.7	208.2	210.4	206.8	194.6	181.6	171.5	162.1	147.7	142.0	139.1
77.5°	132.6	136.9	142.0	134.0	129.0	119.6	109.5	100.2	88.6	82.1	82.1
80°	90.1	93.7	97.3	95.8	90.1	81.4	73.5	63.4	55.5	50.4	49.7
82.5°	68.5	71.3	76.4	70.6	64.9	57.6	51.2	44.0	36.7	31.0	31.0
85°	24.5	28.1	31.0	33.9	36.0	36.7	31.7	25.9	20.9	16.6	15.9
87.5°	6.5	7.2	7.9	7.2	7.2	7.2	7.9	7.2	6.5	5.0	5.0
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)