

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: P526074

Luminaire Tested: **GALN-SA1A-730-U-SL2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526074  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-730-U-SL2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3572 lumens  
Efficiency: N/A  
Efficacy: 108.2 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

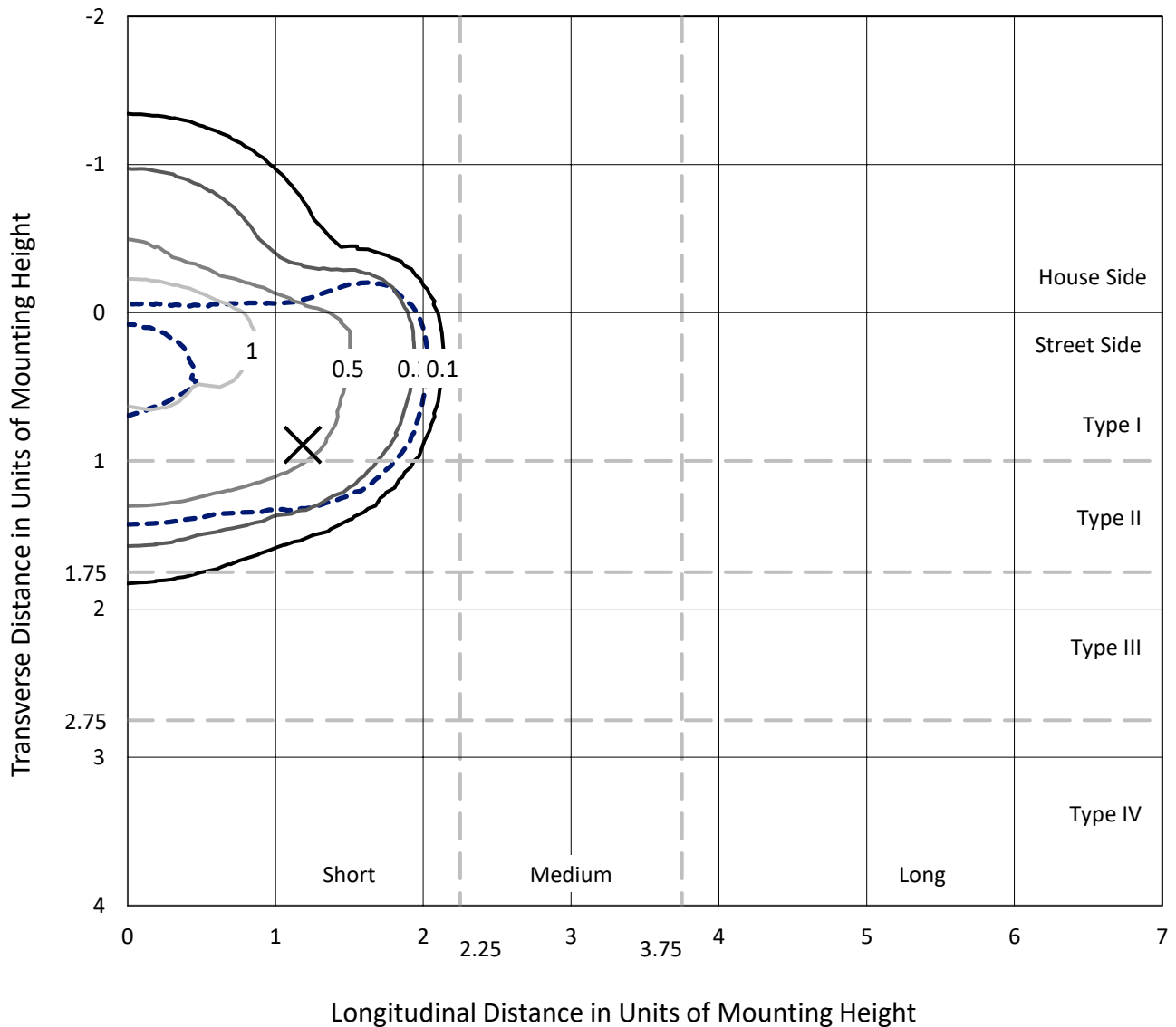
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

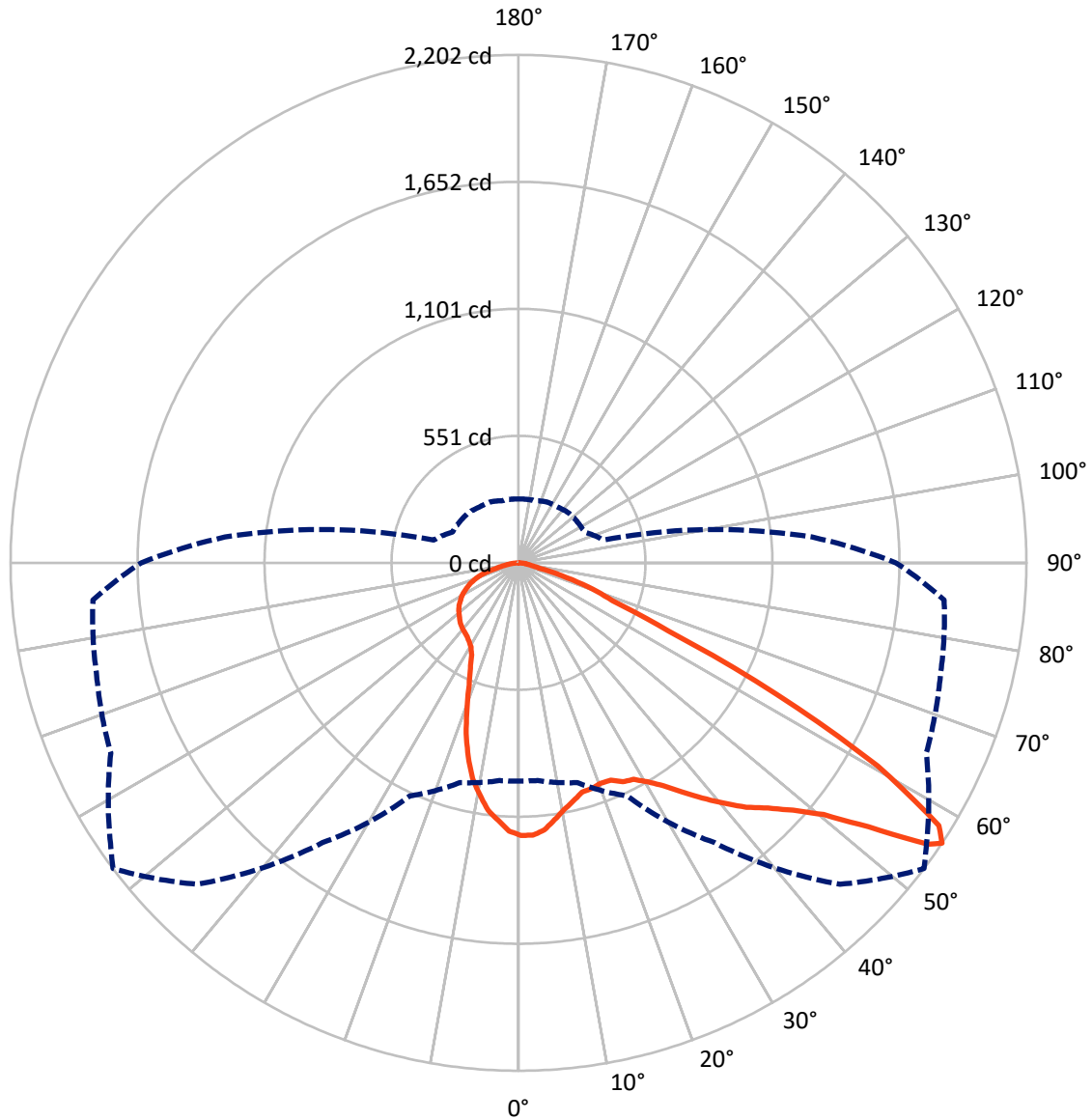
× Max cd  
 - - - 1/2 Max cd



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 53-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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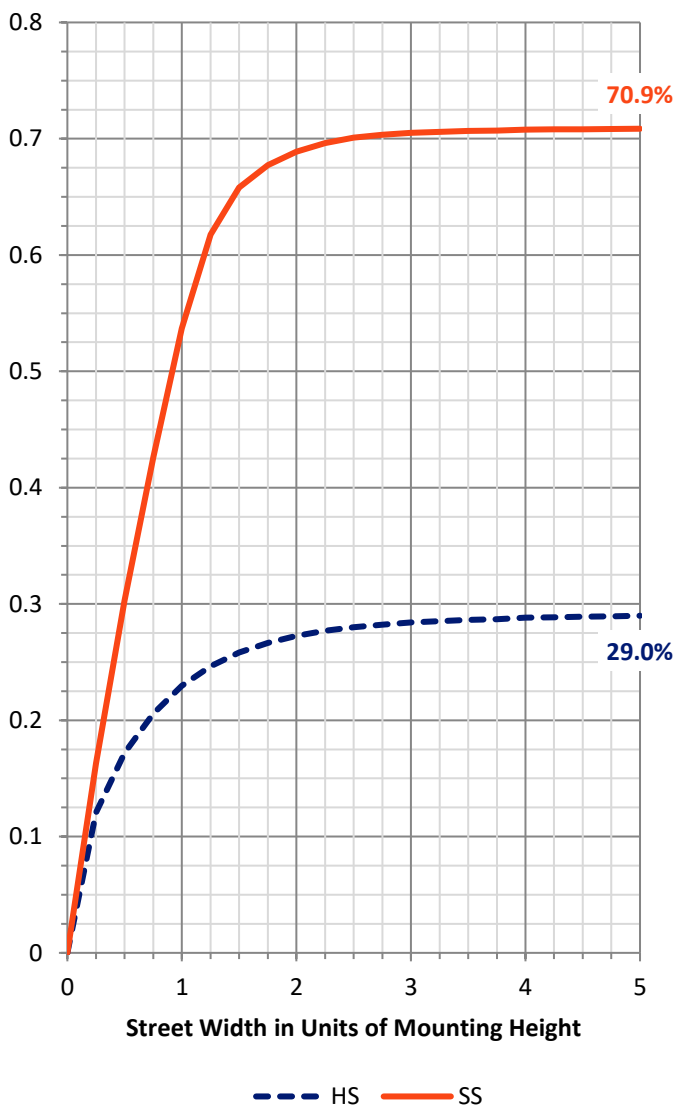
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1042.4	0.0	1042.4
	% Fixture	29.2	0.0	29.2
<b>Street Side</b>	Lumens	2529.6	0.0	2529.6
	% Fixture	70.8	0.0	70.8
<b>Total</b>	Lumens	3572.0	0.0	3572.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.6	2.9
10°-20°	261.3	7.3
20°-30°	385.3	10.8
30°-40°	550.5	15.4
40°-50°	757.7	21.2
50°-60°	895.4	25.1
60°-70°	477.2	13.4
70°-80°	121.1	3.4
80°-90°	18.9	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°	3572.0	100.0
0°-180°	3572.0	100.0

**Coefficient of Utilization**



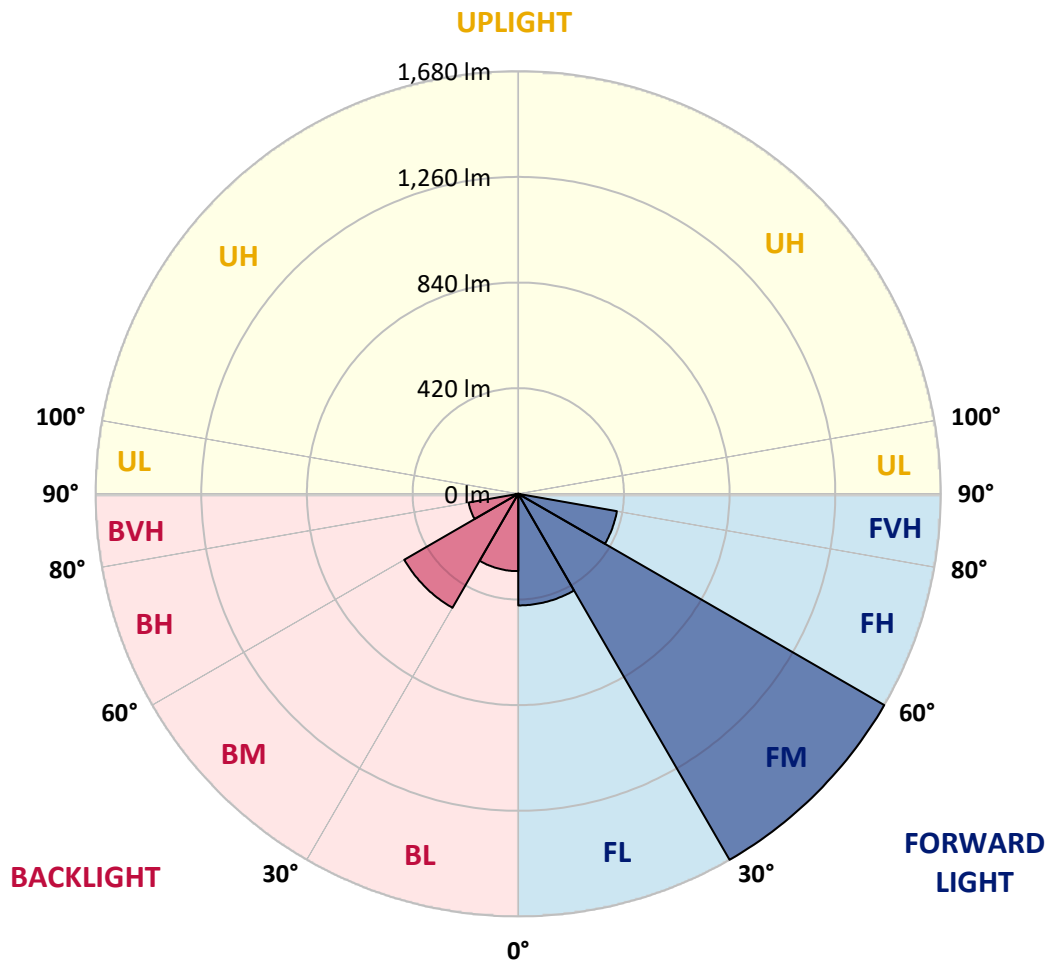
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.8	12.4			
FM (30°-60°)	1680.2	47.0			
FH (60°-80°)	398.1	11.1			G0/660
FVH (80°-90°)	7.6	0.2			G0/10
BL (0°-30°)	307.4	8.6	B1/500		
BM (30°-60°)	523.5	14.7	B1/1000		
BH (60°-80°)	200.2	5.6	B1/500		G1/500
BVH (80°-90°)	11.3	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°	53°	55°	65°	75°	85°
0°	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8
2.5°	1167.1	1157.0	1163.0	1160.7	1179.5	1185.0	1182.2	1184.5	1195.0	1190.0	1179.5
5°	1090.6	1104.8	1107.5	1114.4	1125.4	1146.9	1163.9	1168.5	1173.5	1196.9	1194.6
7.5°	1020.9	1030.5	1025.5	1045.7	1069.5	1104.3	1124.9	1128.6	1174.9	1187.7	1197.3
10°	976.9	967.3	990.2	995.7	1022.8	1062.6	1087.4	1102.5	1144.6	1195.5	1201.5
12.5°	936.2	932.9	946.7	962.3	992.5	1033.8	1059.0	1064.9	1130.0	1183.6	1211.5
15°	905.9	902.2	916.0	927.4	962.7	999.4	1031.5	1048.4	1113.9	1176.7	1202.8
17.5°	882.1	881.6	889.4	910.0	946.2	976.9	1028.7	1029.6	1105.7	1187.3	1210.2
20°	880.7	880.2	881.6	904.5	937.5	975.1	1020.0	1028.3	1105.7	1179.9	1210.6
22.5°	892.2	884.8	893.1	907.7	931.6	978.3	1023.2	1041.5	1132.3	1216.1	1231.2
25°	910.5	912.3	916.9	921.9	935.7	985.6	1051.6	1066.7	1163.4	1247.3	1259.7
27.5°	943.9	943.0	944.9	947.6	959.5	992.5	1063.1	1102.0	1228.5	1302.7	1290.4
30°	993.0	989.8	997.1	1006.7	995.7	1014.5	1101.1	1130.4	1289.0	1358.6	1324.7
32.5°	1037.4	1049.3	1063.1	1067.2	1053.9	1057.6	1151.5	1181.3	1339.4	1427.4	1366.9
35°	1092.9	1102.5	1120.8	1133.6	1131.4	1120.4	1220.2	1259.7	1412.2	1477.8	1411.3
37.5°	1146.9	1158.4	1188.6	1226.7	1205.6	1200.5	1293.6	1326.1	1434.7	1504.8	1443.9
40°	1234.0	1233.5	1285.8	1305.5	1324.3	1315.6	1369.6	1380.6	1446.6	1498.8	1444.8
42.5°	1336.2	1329.8	1382.9	1413.6	1437.9	1438.8	1448.9	1445.2	1452.1	1468.6	1435.2
45°	1433.3	1447.1	1500.7	1555.7	1580.0	1582.7	1515.8	1508.9	1461.7	1459.9	1416.8
47.5°	1552.0	1555.2	1599.2	1671.6	1728.0	1708.7	1602.4	1587.3	1503.9	1518.1	1447.5
50°	1558.9	1582.7	1622.1	1707.3	1880.5	1875.5	1714.7	1686.3	1571.7	1600.6	1533.2
52.5°	1415.0	1409.5	1456.2	1595.5	1869.1	2041.4	1900.7	1832.9	1717.4	1695.4	1672.1
55°	1078.2	1091.0	1132.3	1272.9	1623.0	2043.7	2154.1	2098.7	1873.2	1835.6	1808.6
56°	945.8	947.6	986.6	1114.9	1481.0	1970.8	2202.2	2157.3	1950.7	1893.4	1852.1
57.5°	784.0	773.5	793.6	863.8	1250.0	1816.9	2149.5	2193.5	2041.4	1955.7	1898.4
60°	617.2	614.9	606.7	619.5	790.0	1368.7	1789.4	1888.3	2032.2	1897.0	1818.2
62.5°	504.0	492.6	509.1	527.4	549.0	849.1	1257.4	1315.6	1613.4	1514.4	1366.0
65°	390.9	385.4	406.0	465.6	478.4	539.3	716.2	761.1	952.6	935.7	823.9
67.5°	269.0	269.9	287.8	378.5	443.6	438.1	438.5	461.9	497.2	369.3	321.7
70°	170.5	170.0	179.6	243.8	357.0	360.6	342.3	335.4	318.0	192.5	203.9
72.5°	109.5	106.3	111.3	134.7	184.7	213.5	219.9	224.1	184.2	151.2	164.0
75°	61.9	58.7	56.8	62.8	72.9	84.3	92.6	95.3	106.8	114.6	121.4
77.5°	18.8	17.0	20.6	27.5	36.2	48.6	59.1	60.9	71.9	81.1	88.0
80°	8.2	9.2	12.8	18.3	25.7	34.4	41.7	44.4	51.8	58.7	60.5
82.5°	5.0	5.5	8.7	12.4	17.9	24.3	29.8	30.7	38.0	43.5	44.9
85°	1.8	2.3	4.6	7.3	11.5	15.6	15.6	17.0	15.6	15.6	17.0
87.5°	0.0	0.0	0.5	0.9	0.9	1.4	1.8	1.8	2.3	2.7	3.2
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°	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8	1181.8
2.5°	1185.0	1182.7	1179.0	1165.7	1164.3	1160.2	1137.3	1133.6	1137.3	1126.3	1127.2
5°	1182.7	1189.5	1162.1	1148.8	1124.0	1106.2	1085.5	1075.0	1056.2	1044.3	1057.6
7.5°	1192.8	1190.0	1155.6	1126.8	1089.7	1044.3	1008.1	987.5	954.5	945.3	952.2
10°	1189.1	1174.4	1134.1	1096.1	1026.0	986.1	927.4	870.6	839.5	823.4	821.1
12.5°	1184.0	1179.9	1112.6	1047.0	973.3	889.4	806.9	753.3	702.5	680.5	683.7
15°	1190.0	1155.2	1072.2	989.3	891.2	781.3	692.4	623.2	587.9	573.7	573.7
17.5°	1187.3	1143.3	1053.0	924.7	800.5	670.4	572.8	531.1	516.4	516.4	520.5
20°	1188.6	1151.1	1014.0	860.1	693.3	564.5	493.5	478.4	484.8	487.1	489.4
22.5°	1196.4	1125.4	976.0	789.1	593.9	483.0	448.1	448.6	460.1	472.4	470.1
25°	1206.0	1115.3	929.7	718.5	517.8	443.1	432.1	430.7	439.4	445.9	446.8
27.5°	1197.8	1097.9	882.5	630.5	455.5	416.5	414.2	415.2	417.9	430.7	426.6
30°	1224.8	1102.9	823.4	556.7	421.1	407.8	405.1	403.7	407.8	411.5	408.3
32.5°	1258.3	1085.1	779.4	485.7	404.2	401.4	395.9	394.1	396.4	392.7	394.5
35°	1272.9	1081.9	722.2	434.9	390.9	388.6	385.4	384.9	385.4	382.2	379.4
37.5°	1281.2	1097.0	656.6	411.5	382.6	384.9	377.6	376.7	368.4	370.2	371.6
40°	1295.4	1073.6	603.5	389.0	377.6	373.0	366.6	365.2	359.7	356.5	359.7
42.5°	1274.8	1066.7	551.2	379.4	370.2	365.2	360.6	352.8	351.0	348.2	346.4
45°	1258.3	1027.3	504.5	367.5	361.5	358.8	350.1	341.8	335.0	337.7	333.6
47.5°	1270.7	1013.6	458.2	357.4	349.6	346.4	337.7	331.3	324.4	321.2	320.3
50°	1320.1	1039.3	419.3	350.1	339.5	337.7	326.3	318.9	312.5	310.2	311.1
52.5°	1438.4	1109.4	392.7	335.0	329.9	321.7	315.3	306.1	302.0	294.6	299.2
55°	1588.2	1223.5	385.8	320.8	318.0	310.7	302.0	295.1	287.3	281.3	280.0
56°	1636.3	1278.0	380.3	315.3	310.7	306.6	295.1	291.0	278.6	277.2	276.3
57.5°	1675.3	1326.1	381.2	304.7	300.1	296.5	289.6	279.5	271.3	266.2	268.5
60°	1587.3	1241.3	363.8	288.7	287.8	280.9	271.3	266.7	256.6	250.6	249.3
62.5°	1179.9	842.7	295.1	268.1	267.6	260.3	249.3	244.2	242.4	234.2	234.2
65°	679.5	528.3	255.2	251.1	247.4	240.1	229.1	225.0	220.4	217.7	215.4
67.5°	290.1	274.0	231.9	231.4	227.3	218.1	207.1	200.7	194.7	189.2	192.0
70°	210.3	213.5	209.4	207.1	202.1	190.6	181.0	173.2	164.0	160.4	163.1
72.5°	166.8	173.7	179.6	180.1	174.1	160.8	150.3	139.8	129.7	124.6	126.9
75°	126.5	131.1	137.0	138.4	129.7	120.5	110.4	99.4	91.6	85.7	86.6
77.5°	91.2	90.3	95.8	94.9	90.7	84.3	75.1	65.1	56.4	50.9	51.3
80°	62.3	63.7	66.9	66.4	61.4	57.3	50.4	42.2	35.7	31.2	30.2
82.5°	43.5	45.8	48.6	46.3	42.2	38.0	33.0	27.0	22.0	18.3	17.4
85°	15.6	17.9	20.6	22.0	23.4	22.5	18.8	15.1	11.0	9.2	8.7
87.5°	3.2	3.7	4.1	4.1	4.1	3.7	3.2	3.2	2.7	1.4	1.4
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)