

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: P526076

Luminaire Tested: **GALN-SA1A-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
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-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3565 lumens
Efficiency: N/A
Efficacy: 108.0 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

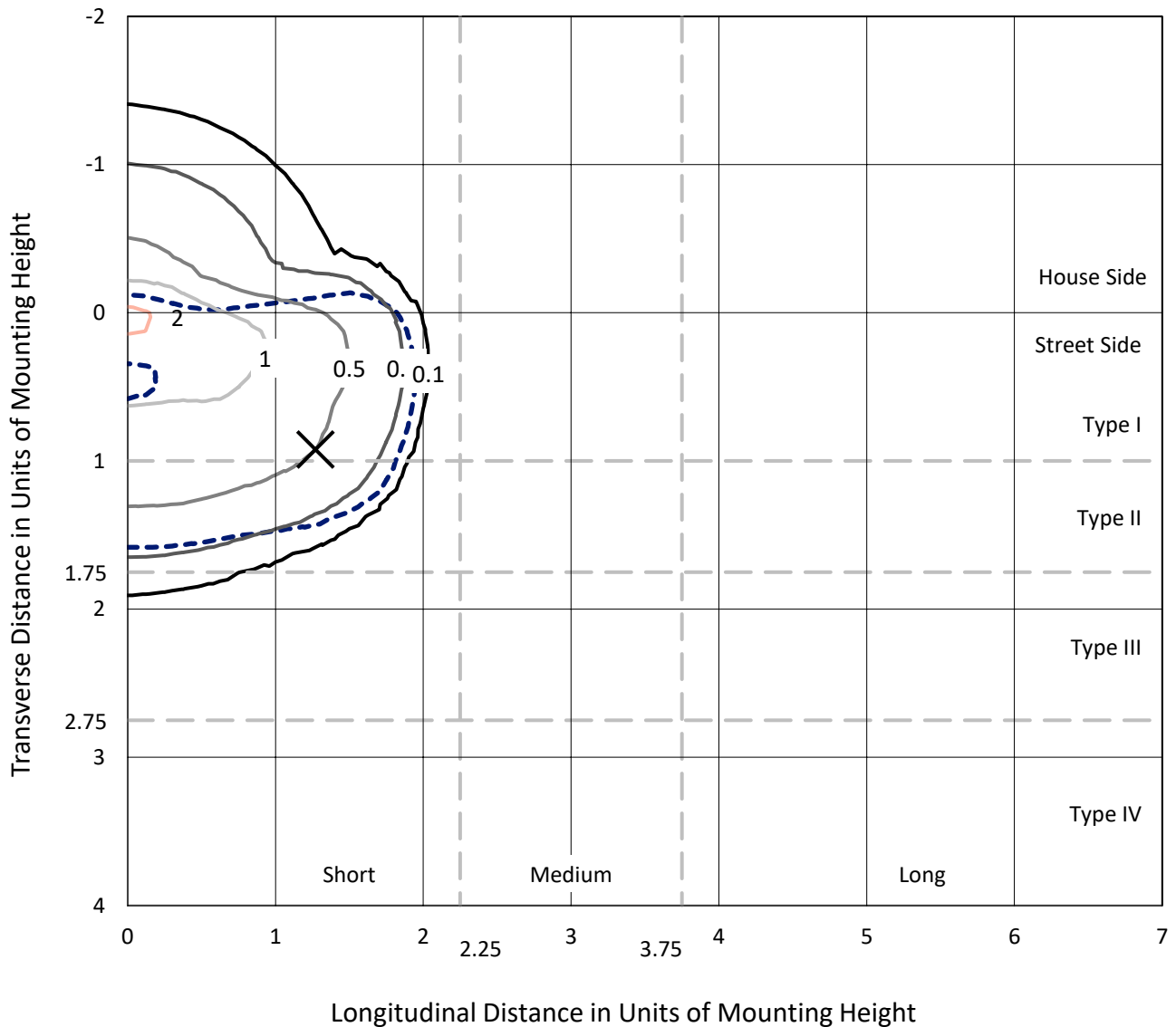
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526076
 CATALOG NUMBER: GALN-SA1A-730-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

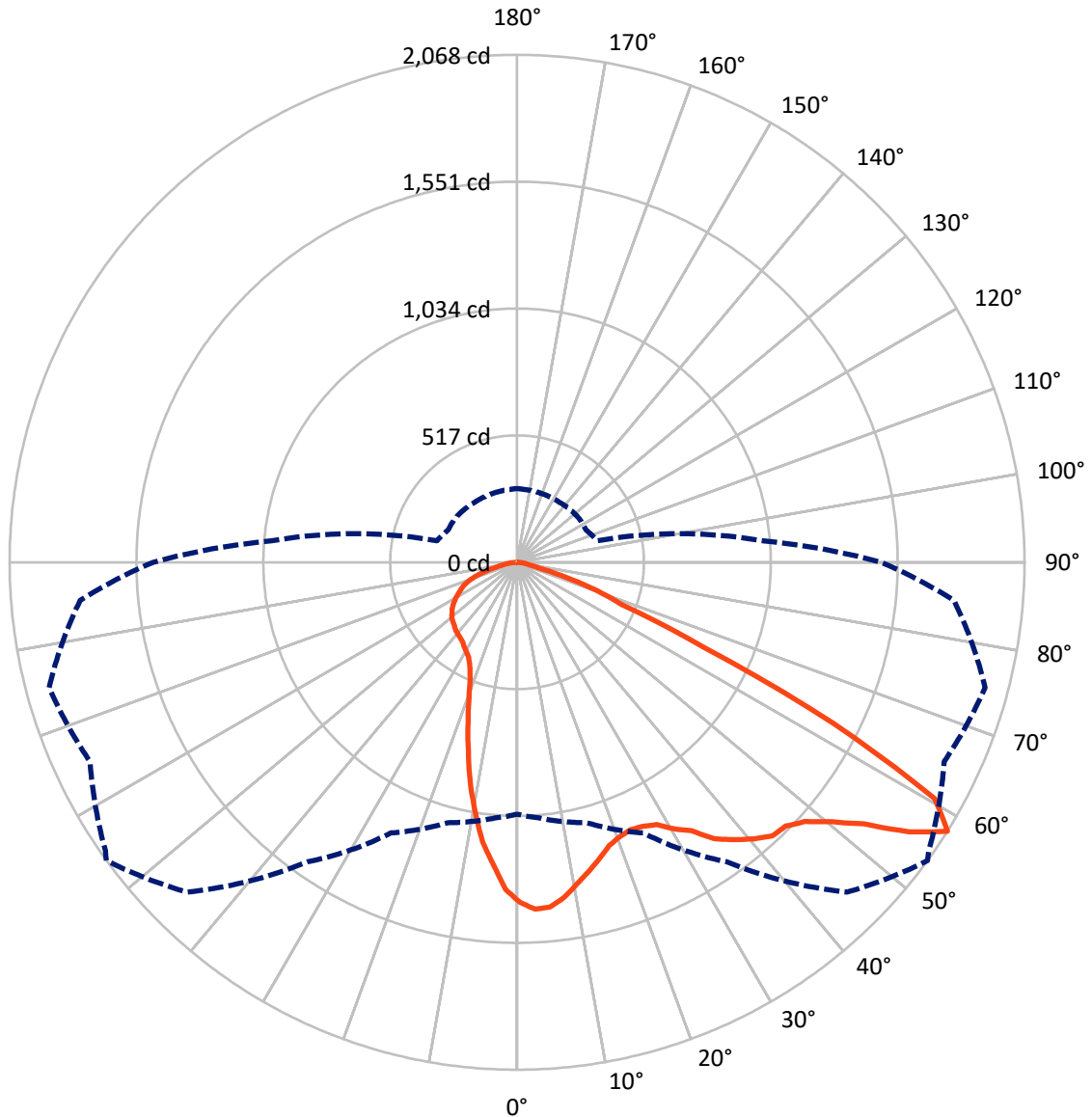
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

REPORT NUMBER: P526076
CATALOG NUMBER: GALN-SA1A-730-U-SL3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P526076
 CATALOG NUMBER: GALN-SA1A-730-U-SL3-GRSWH

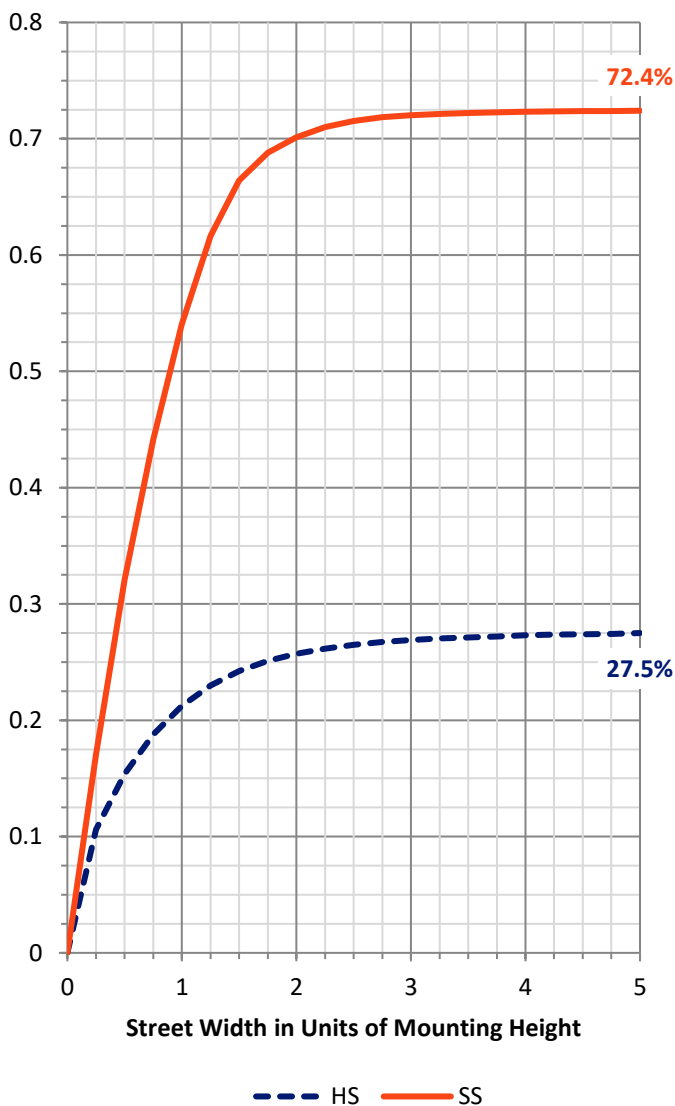
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	986.3	0.0	986.3
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	2578.7	0.0	2578.7
	% Fixture	72.3	0.0	72.3
Total	Lumens	3565.0	0.0	3565.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	3.4
10°-20°	276.7	7.8
20°-30°	388.7	10.9
30°-40°	543.5	15.2
40°-50°	735.8	20.6
50°-60°	896.2	25.1
60°-70°	466.8	13.1
70°-80°	119.6	3.4
80°-90°	18.2	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°	3565.0	100.0
0°-180°	3565.0	100.0

Coefficient of Utilization

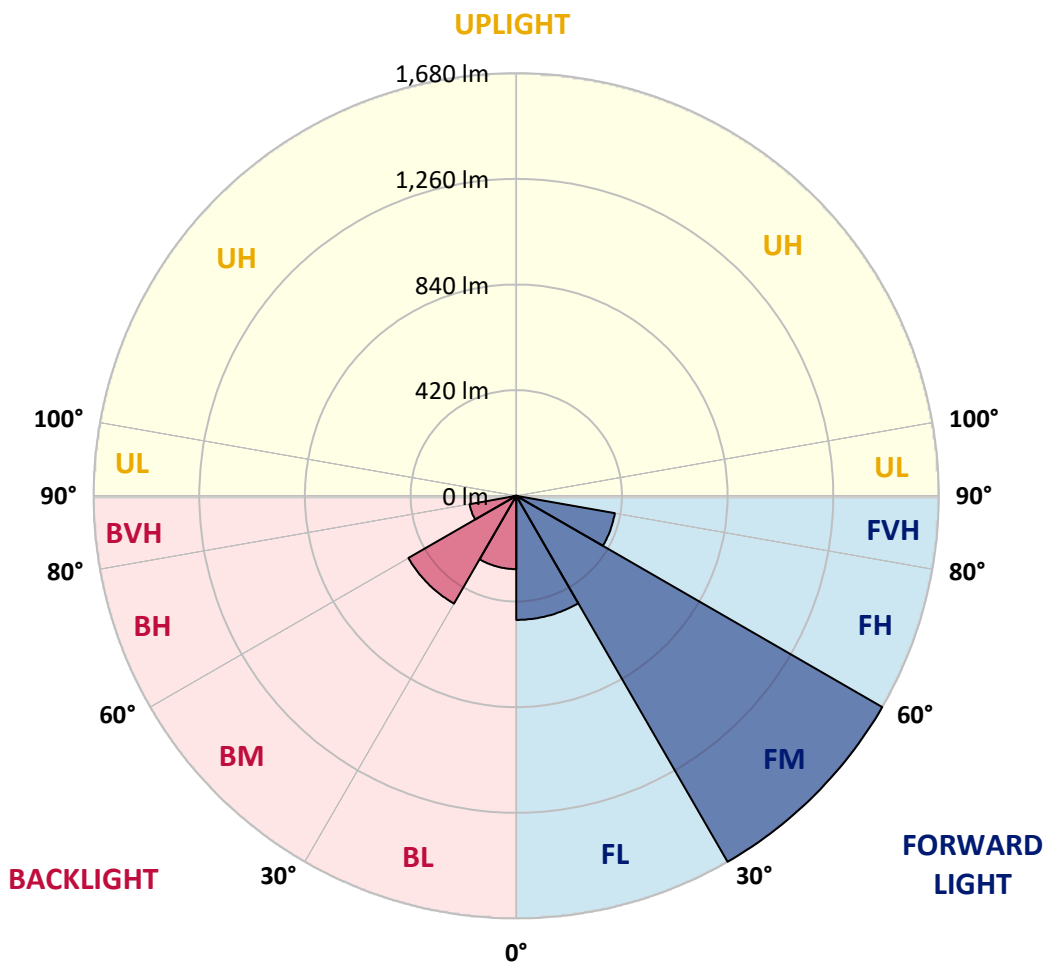


REPORT NUMBER: P526076
 CATALOG NUMBER: GALN-SA1A-730-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	493.4	13.8			
FM (30°-60°)	1680.4	47.1			
FH (60°-80°)	398.0	11.2			G0/660
FVH (80°-90°)	6.9	0.2			G0/10
BL (0°-30°)	291.5	8.2	B1/500		
BM (30°-60°)	495.0	13.9	B1/1000		
BH (60°-80°)	188.4	5.3	B1/500		G1/500
BVH (80°-90°)	11.4	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





REPORT NUMBER: P526076

CATALOG NUMBER: GALN-SA1A-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7
2.5°	1425.1	1419.6	1420.5	1427.8	1418.7	1415.0	1415.0	1397.1	1398.5	1386.1	1382.9
5°	1392.1	1379.3	1388.0	1399.0	1400.8	1404.5	1410.4	1405.8	1393.0	1379.7	1358.2
7.5°	1305.9	1317.4	1320.6	1328.4	1344.9	1360.0	1378.8	1366.0	1365.5	1352.2	1339.4
10°	1230.3	1223.5	1240.9	1252.3	1279.8	1305.0	1333.9	1332.5	1339.4	1324.3	1302.3
12.5°	1155.2	1149.7	1157.9	1184.1	1222.5	1259.2	1293.6	1280.7	1317.4	1314.6	1267.5
15°	1075.5	1079.6	1091.5	1115.8	1166.2	1210.2	1253.7	1254.2	1286.7	1297.7	1234.5
17.5°	1019.6	1015.0	1030.1	1066.3	1111.2	1163.9	1213.4	1223.5	1273.4	1279.8	1224.4
20°	977.9	984.3	1004.0	1022.3	1074.1	1137.8	1193.7	1197.3	1270.7	1288.1	1208.3
22.5°	967.8	964.1	970.5	1000.3	1042.9	1112.1	1183.1	1196.9	1270.2	1285.3	1178.1
25°	957.2	969.1	968.7	998.5	1029.6	1091.5	1191.8	1207.0	1294.5	1299.5	1182.2
27.5°	981.1	979.7	992.5	994.8	1033.3	1097.0	1210.2	1221.6	1334.8	1330.7	1185.4
30°	1004.9	998.0	1005.8	1032.8	1050.7	1128.6	1260.6	1259.7	1387.0	1384.3	1195.5
32.5°	1034.2	1031.0	1036.0	1059.9	1090.1	1170.8	1303.2	1330.2	1440.2	1457.6	1230.3
35°	1039.7	1053.0	1064.9	1097.0	1140.1	1239.0	1383.4	1405.8	1501.6	1556.1	1296.8
37.5°	1074.5	1079.6	1107.5	1164.4	1203.8	1330.2	1434.2	1448.5	1557.5	1619.4	1366.9
40°	1111.7	1117.6	1159.8	1219.3	1273.4	1389.8	1481.9	1486.5	1575.4	1667.9	1412.7
42.5°	1162.1	1167.6	1209.3	1283.9	1356.3	1440.7	1524.1	1529.1	1574.0	1723.8	1485.6
45°	1214.3	1227.6	1276.6	1361.4	1426.5	1500.2	1533.7	1554.3	1586.8	1773.8	1544.7
47.5°	1287.6	1300.0	1340.3	1423.2	1499.3	1552.5	1578.1	1598.3	1617.5	1817.3	1582.7
50°	1365.5	1367.8	1416.8	1492.0	1547.9	1611.6	1661.1	1667.9	1657.9	1867.7	1647.3
52.5°	1422.8	1430.1	1468.2	1541.5	1624.9	1703.2	1771.0	1778.4	1758.7	1886.5	1669.3
55°	1327.9	1323.8	1385.7	1483.3	1676.6	1839.8	1938.3	1943.8	1832.0	1944.7	1741.3
57.5°	1026.4	1046.1	1098.8	1216.6	1489.7	1900.3	2067.5	2047.8	1920.0	1974.0	1787.1
60°	746.0	741.4	776.7	855.5	1122.7	1637.7	1954.8	1975.0	1848.0	1779.3	1473.7
62.5°	607.6	601.2	603.9	606.7	724.5	1086.9	1447.1	1446.6	1423.2	1278.9	993.9
65°	485.7	500.8	502.2	522.8	538.0	649.3	838.6	883.5	769.4	631.0	457.8
67.5°	366.1	360.6	379.0	452.3	480.7	468.8	457.8	462.8	329.0	237.4	223.6
70°	215.8	213.5	235.5	315.3	395.9	372.5	345.0	345.5	225.9	165.9	184.7
72.5°	118.2	117.8	122.3	159.9	225.0	233.7	207.1	213.5	134.7	134.3	144.3
75°	66.0	64.6	63.2	70.6	81.1	85.7	87.5	88.4	92.6	103.6	107.7
77.5°	24.3	23.4	23.4	27.0	34.4	43.1	54.5	55.4	65.5	75.1	79.3
80°	8.2	9.2	12.4	17.0	22.9	30.7	37.1	38.0	46.3	52.7	54.1
82.5°	5.0	5.5	8.2	11.9	16.5	21.5	27.5	28.0	34.4	38.5	40.3
85°	2.3	2.7	4.6	7.3	10.5	14.2	14.7	14.7	14.2	14.7	13.7
87.5°	0.0	0.0	0.9	0.9	0.9	1.4	1.8	1.4	2.3	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P526076

CATALOG NUMBER: GALN-SA1A-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7
2.5°	1373.3	1368.3	1352.7	1338.9	1334.8	1316.5	1289.4	1292.7	1273.0	1282.1	1272.5
5°	1354.5	1337.6	1297.7	1280.7	1236.3	1216.1	1202.4	1168.0	1152.0	1148.8	1135.0
7.5°	1306.4	1295.9	1245.9	1200.1	1152.9	1112.6	1060.8	1025.5	1000.3	993.4	973.3
10°	1268.4	1245.0	1175.8	1106.2	1038.8	968.7	901.3	848.6	823.0	793.2	783.1
12.5°	1230.8	1195.5	1102.0	1012.7	925.6	837.2	755.6	691.5	635.6	622.3	617.7
15°	1207.4	1146.0	1036.0	928.4	804.6	689.2	607.6	565.5	531.1	516.9	527.0
17.5°	1176.7	1105.2	972.8	829.4	693.3	587.0	518.7	492.6	480.2	481.6	477.5
20°	1138.2	1066.7	889.9	739.6	593.9	509.1	470.1	460.5	462.3	465.6	464.2
22.5°	1110.7	1020.0	829.8	647.9	513.2	466.0	450.0	443.1	449.1	451.8	449.5
25°	1089.7	980.1	757.0	566.8	466.5	441.7	434.4	433.9	443.1	446.8	444.5
27.5°	1070.4	943.0	684.6	505.0	435.3	422.9	420.7	426.1	432.1	435.8	439.0
30°	1059.0	914.6	616.8	453.2	419.7	413.8	409.7	414.7	417.9	421.6	419.7
32.5°	1070.0	894.5	551.2	423.9	406.9	400.9	406.4	403.2	408.7	411.9	406.9
35°	1104.3	876.6	504.5	408.3	392.2	394.5	395.4	394.1	396.4	393.6	399.6
37.5°	1138.2	870.2	461.4	395.0	385.4	385.4	384.5	381.7	386.3	385.4	388.1
40°	1181.3	874.3	424.8	380.8	379.0	378.0	374.4	373.9	372.1	372.5	373.5
42.5°	1218.9	883.5	403.7	371.6	373.0	374.8	368.0	362.5	364.7	360.2	360.2
45°	1258.7	891.7	384.9	365.2	363.8	363.4	357.9	354.7	352.8	353.3	357.4
47.5°	1321.5	903.6	370.7	356.5	357.4	350.5	349.2	345.0	346.9	349.6	350.1
50°	1366.0	928.8	359.7	346.4	349.6	345.0	336.8	335.0	335.0	339.5	338.6
52.5°	1397.1	964.1	349.2	335.4	336.8	333.1	330.4	326.3	323.5	329.9	333.1
55°	1492.4	1022.8	346.4	326.3	325.8	322.1	317.1	313.0	311.6	312.5	318.9
57.5°	1483.3	1004.4	337.7	310.2	309.3	304.3	299.2	297.8	297.4	298.3	300.1
60°	1204.2	741.9	301.5	291.9	290.5	289.6	284.6	279.1	276.3	279.1	276.8
62.5°	796.9	496.7	265.8	269.9	270.8	268.5	260.3	254.8	255.7	258.9	253.9
65°	391.3	291.9	241.0	252.0	252.9	246.5	238.7	232.3	229.1	231.9	229.6
67.5°	223.6	223.2	220.9	232.3	231.9	225.4	213.1	207.6	202.1	203.0	201.6
70°	189.7	193.4	198.0	204.8	204.4	197.0	182.4	178.2	170.5	169.5	167.3
72.5°	149.4	155.8	165.9	170.9	166.8	157.6	148.0	141.1	134.3	130.1	131.5
75°	110.9	120.1	125.6	128.8	122.3	117.3	109.5	101.3	93.0	89.4	88.0
77.5°	80.6	83.4	88.4	90.7	86.6	81.6	77.0	68.7	60.9	55.9	54.5
80°	56.4	58.2	61.9	61.9	61.9	59.6	53.6	45.4	40.3	35.7	34.8
82.5°	39.4	41.2	44.9	43.1	42.6	39.9	36.2	29.8	24.3	21.1	20.2
85°	13.7	15.1	18.3	22.0	23.4	22.9	20.6	16.5	12.8	10.5	9.6
87.5°	3.2	3.2	3.7	3.2	3.2	3.7	3.2	3.2	3.2	2.3	1.8
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)