

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: P526322

Luminaire Tested: **GALN-SA1B-730-U-T3R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-730-U-T3R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4577 lumens
Efficiency: N/A
Efficacy: 104.0 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

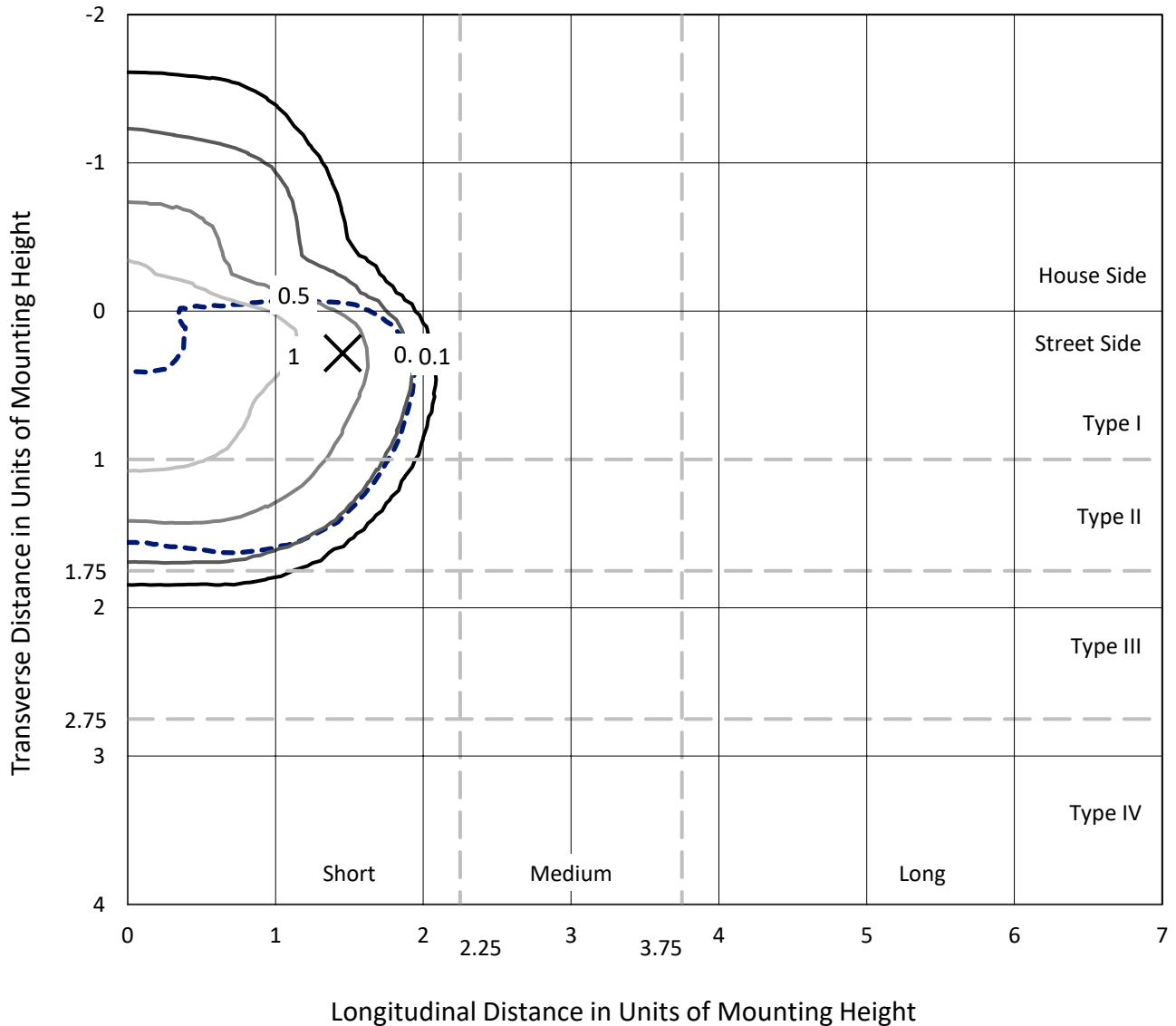
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526322
 CATALOG NUMBER: GALN-SA1B-730-U-T3R-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

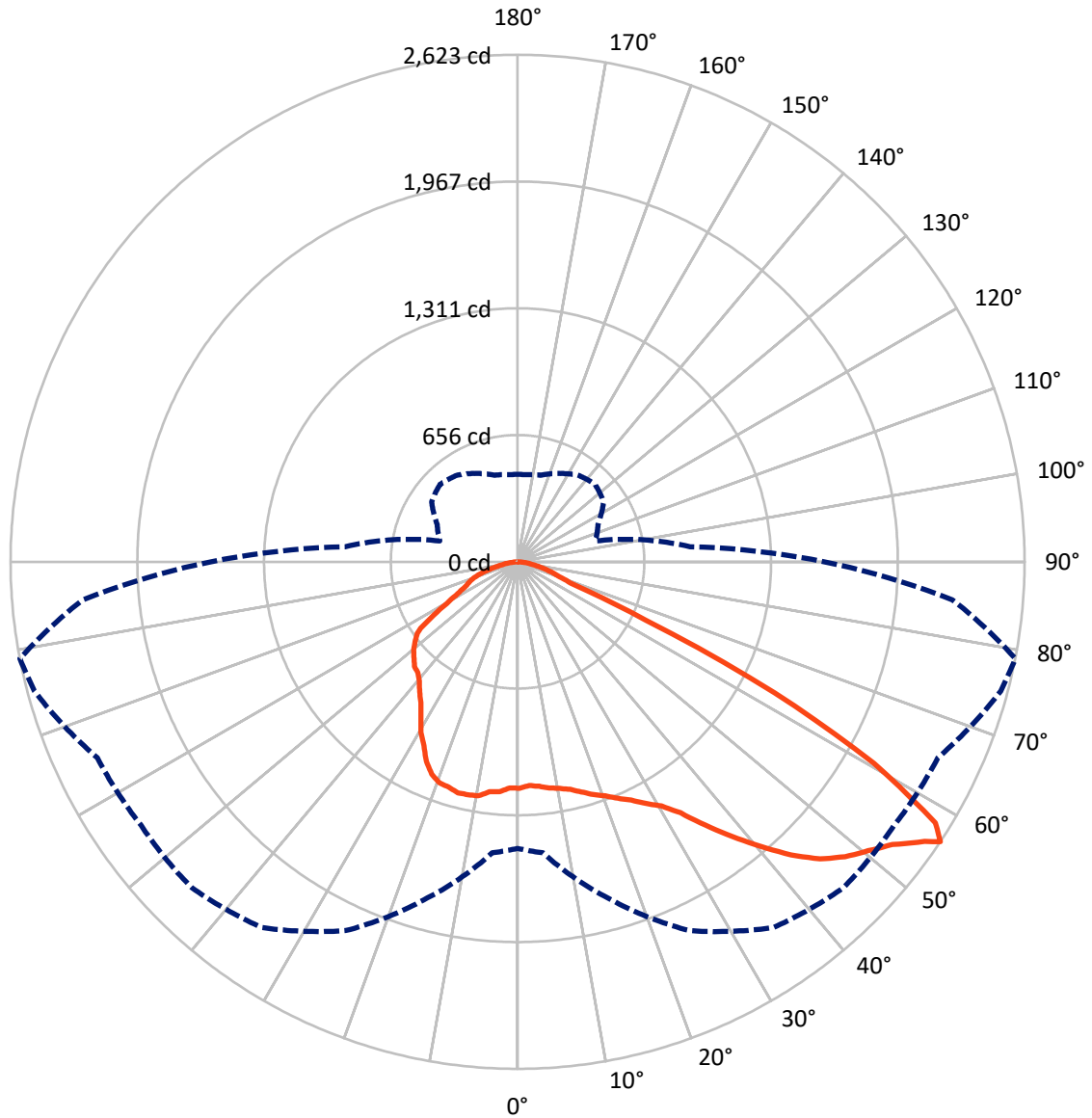
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526322
CATALOG NUMBER: GALN-SA1B-730-U-T3R-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P526322
 CATALOG NUMBER: GALN-SA1B-730-U-T3R-GRSWH

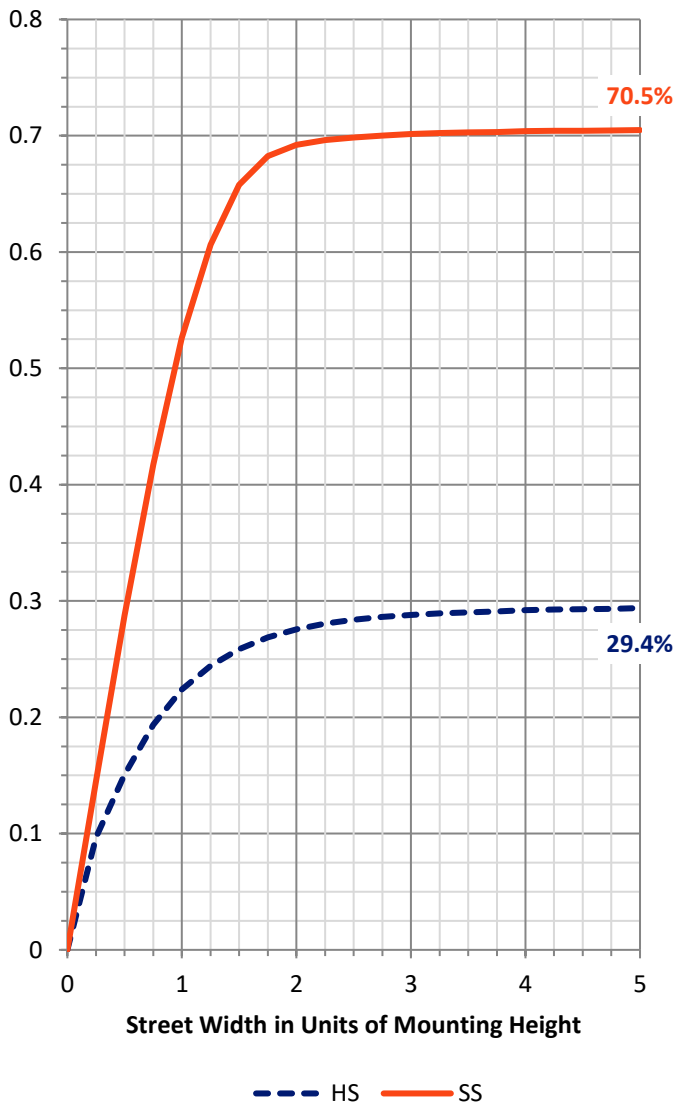
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1351.7	0.0	1351.7
	% Fixture	29.5	0.0	29.5
Street Side	Lumens	3225.3	0.0	3225.3
	% Fixture	70.5	0.0	70.5
Total	Lumens	4577.0	0.0	4577.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	2.3
10°-20°	291.4	6.4
20°-30°	498.5	10.9
30°-40°	764.0	16.7
40°-50°	1032.6	22.6
50°-60°	1185.9	25.9
60°-70°	540.6	11.8
70°-80°	133.3	2.9
80°-90°	24.2	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°	4577.0	100.0
0°-180°	4577.0	100.0

Coefficient of Utilization



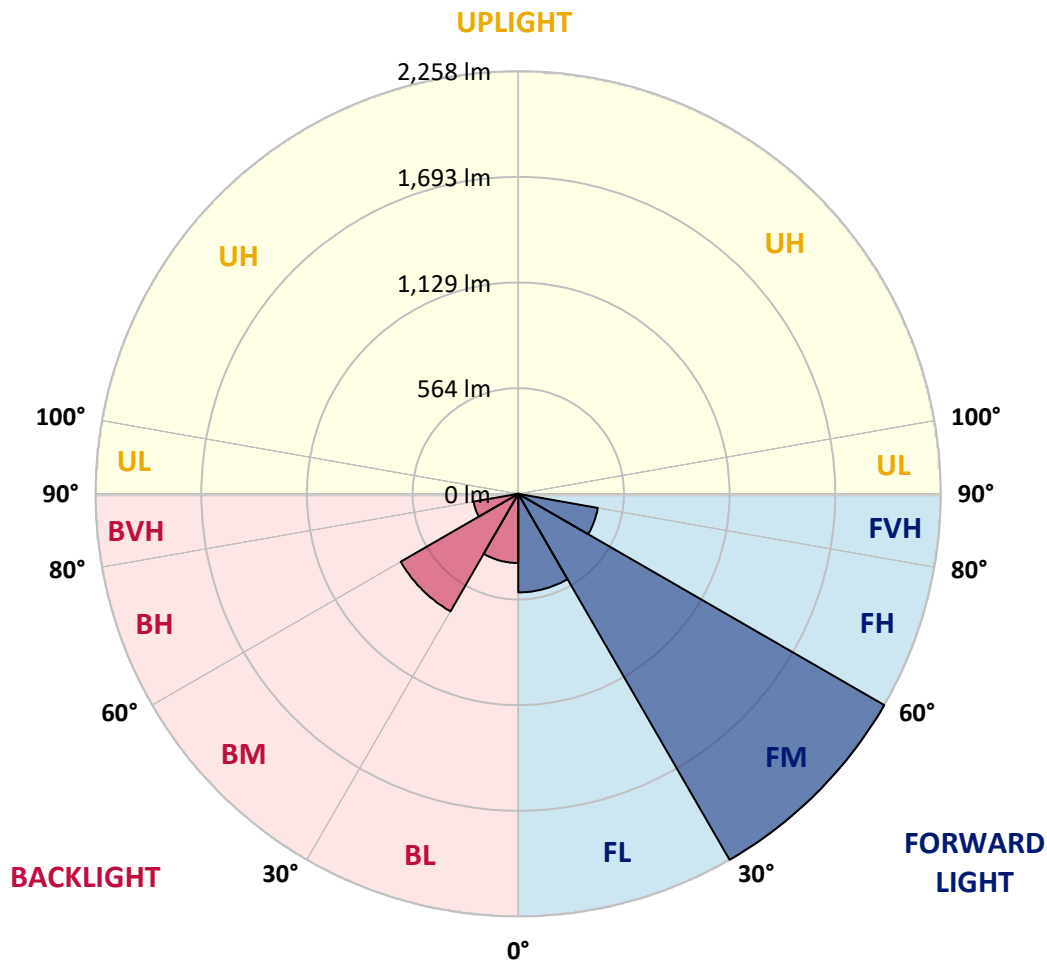
REPORT NUMBER: P526322
 CATALOG NUMBER: GALN-SA1B-730-U-T3R-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.6	11.5			
FM (30°-60°)	2257.5	49.3			
FH (60°-80°)	431.5	9.4			G0/660
FVH (80°-90°)	9.7	0.2			G0/10
BL (0°-30°)	369.7	8.1	B1/500		
BM (30°-60°)	725.0	15.8	B1/1000		
BH (60°-80°)	242.4	5.3	B1/500		G1/500
BVH (80°-90°)	14.6	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: P526322

CATALOG NUMBER: GALN-SA1B-730-U-T3R-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1
2.5°	1114.1	1111.2	1118.0	1123.2	1129.5	1137.4	1141.4	1143.7	1163.7	1158.5	1173.9
5°	1090.1	1082.7	1087.8	1091.8	1102.7	1112.3	1123.2	1140.3	1158.5	1166.5	1185.3
7.5°	1069.0	1065.0	1063.9	1066.7	1081.6	1094.1	1112.9	1138.0	1167.7	1180.8	1191.6
10°	1034.2	1028.5	1037.1	1055.9	1059.9	1086.1	1107.8	1143.7	1169.4	1192.2	1224.1
12.5°	1018.8	1013.1	1014.9	1025.7	1053.6	1078.7	1104.4	1144.8	1199.0	1208.1	1250.9
15°	1043.4	1037.7	1039.4	1036.5	1063.3	1076.4	1116.9	1167.7	1219.5	1234.9	1280.5
17.5°	1099.2	1099.8	1092.4	1086.1	1079.9	1107.8	1135.7	1181.3	1227.5	1266.3	1300.5
20°	1205.9	1187.0	1172.2	1136.9	1127.2	1139.1	1174.5	1218.4	1260.0	1291.9	1330.7
22.5°	1288.0	1289.7	1268.6	1210.4	1189.3	1194.4	1224.7	1260.6	1306.2	1329.0	1373.5
25°	1407.1	1395.1	1372.3	1326.2	1278.8	1282.8	1305.1	1337.6	1350.1	1366.1	1414.5
27.5°	1516.0	1519.4	1474.4	1431.1	1372.3	1360.9	1400.8	1406.5	1385.4	1415.7	1432.2
30°	1626.6	1623.8	1594.1	1543.4	1485.8	1488.1	1505.7	1477.8	1448.7	1465.3	1476.7
32.5°	1741.2	1708.7	1707.6	1662.0	1618.1	1597.0	1575.3	1589.0	1543.9	1547.4	1536.5
35°	1833.0	1837.6	1811.3	1778.8	1757.2	1720.1	1660.8	1685.3	1676.8	1672.8	1626.0
37.5°	1899.7	1882.0	1895.2	1884.3	1863.8	1817.6	1756.0	1779.4	1783.4	1802.8	1748.6
40°	1954.4	1947.0	1981.8	1987.5	1973.3	1873.5	1762.9	1832.4	1892.3	1934.5	1870.1
42.5°	1980.7	1996.6	2033.1	2077.0	2045.1	1938.5	1798.2	1872.9	2006.3	2073.0	1985.2
45°	2016.0	1995.5	2049.7	2130.1	2130.6	1993.2	1832.4	1927.7	2095.3	2192.2	2063.9
47.5°	1980.1	1990.4	2046.2	2148.3	2174.5	2050.8	1924.8	2005.2	2193.3	2279.4	2136.9
50°	1899.7	1920.2	2022.3	2128.3	2207.6	2111.8	2030.8	2089.0	2284.0	2349.6	2148.9
52.5°	1815.9	1827.3	1986.9	2143.7	2222.4	2190.5	2172.8	2204.7	2394.6	2428.8	2163.7
55°	1587.8	1642.0	1870.1	2136.9	2294.8	2332.5	2318.8	2365.5	2520.0	2554.2	2244.7
56°	1482.4	1510.9	1799.9	2105.0	2309.1	2384.3	2377.5	2398.6	2586.7	2622.7	2257.2
57.5°	1287.4	1289.7	1534.8	1963.6	2255.5	2399.7	2392.9	2409.4	2573.6	2549.1	2147.2
60°	805.6	841.0	1044.5	1510.3	1918.0	2226.4	2265.2	2132.3	2170.0	2118.1	1670.5
62.5°	417.3	412.2	547.3	883.2	1273.1	1594.1	1630.0	1623.8	1565.6	1489.8	1091.3
65°	208.1	209.2	286.2	437.3	652.2	834.7	935.0	945.9	791.4	728.1	517.7
67.5°	151.1	156.8	205.8	267.4	307.3	343.8	421.3	413.4	313.0	297.6	275.9
70°	117.4	122.6	167.1	204.1	185.3	185.3	201.8	208.7	222.9	229.2	236.6
72.5°	85.5	89.5	127.7	140.8	121.4	130.6	151.1	167.1	181.9	184.2	192.7
75°	58.7	62.1	83.8	77.5	73.0	90.1	110.6	125.4	136.3	142.0	147.1
77.5°	38.2	39.3	47.9	40.5	46.8	58.2	71.8	84.4	95.2	99.8	100.9
80°	17.1	18.8	20.5	25.7	32.5	41.6	51.3	61.6	68.4	70.1	73.5
82.5°	9.7	9.7	12.5	18.2	23.9	30.2	37.1	44.5	52.5	54.2	53.6
85°	5.1	5.1	7.4	10.8	14.8	17.7	17.1	17.7	18.8	21.7	21.1
87.5°	1.7	1.7	2.3	2.3	2.9	3.4	2.9	4.0	5.1	5.1	5.1
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: P526322

CATALOG NUMBER: GALN-SA1B-730-U-T3R-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1	1171.1
2.5°	1169.4	1174.5	1167.7	1182.5	1182.5	1179.6	1165.4	1169.9	1173.4	1173.4	1176.2
5°	1191.6	1189.9	1194.4	1176.8	1165.9	1162.0	1138.6	1127.2	1117.5	1116.9	1108.4
7.5°	1204.1	1199.6	1197.9	1184.8	1136.9	1107.8	1057.6	1028.5	1022.3	1000.0	1008.6
10°	1224.1	1232.6	1224.1	1152.8	1086.1	1019.4	970.4	925.3	907.7	893.4	884.9
12.5°	1265.1	1261.2	1211.6	1115.2	1021.7	942.4	869.5	822.1	804.5	791.9	790.8
15°	1299.9	1280.0	1204.1	1055.9	921.4	837.0	777.1	743.5	735.5	736.6	741.8
17.5°	1311.9	1298.2	1165.4	994.3	846.7	747.5	719.5	714.4	721.8	730.4	732.6
20°	1330.7	1309.0	1149.4	910.5	754.3	691.6	689.9	708.1	721.8	734.3	736.1
22.5°	1370.1	1315.3	1097.5	831.3	691.0	675.0	691.6	707.0	728.1	738.3	729.2
25°	1381.5	1301.6	1024.5	736.1	651.1	664.8	682.5	703.6	718.4	724.1	728.1
27.5°	1391.1	1280.5	925.9	672.8	638.6	664.2	682.5	700.1	708.1	713.2	717.8
30°	1418.5	1274.3	840.4	630.6	630.6	652.8	676.2	680.8	691.6	697.9	705.8
32.5°	1432.2	1230.9	752.6	603.8	622.6	658.5	660.2	668.8	669.3	674.5	665.9
35°	1468.1	1200.2	671.1	584.4	626.0	652.8	661.4	656.2	628.3	614.6	617.5
37.5°	1494.3	1184.8	612.3	582.1	626.6	659.1	663.6	624.9	595.8	573.0	578.7
40°	1565.0	1146.6	567.9	578.1	631.7	665.9	653.4	611.2	558.7	535.4	531.4
42.5°	1619.2	1119.2	539.9	573.6	635.7	675.6	648.3	583.8	530.2	508.6	514.3
45°	1681.9	1112.9	525.1	574.7	642.6	680.8	642.0	562.7	505.7	497.2	495.5
47.5°	1704.2	1067.9	509.1	565.0	640.8	679.0	620.9	546.8	496.6	497.7	502.3
50°	1667.1	1021.7	497.2	545.1	629.4	663.6	587.8	525.7	491.5	505.7	513.7
52.5°	1619.8	974.4	472.6	518.3	606.1	639.7	572.4	524.5	486.3	481.8	483.5
55°	1634.0	935.6	438.4	481.8	568.4	595.2	555.3	513.7	473.8	456.7	462.4
56°	1587.8	895.7	416.2	459.0	542.8	566.7	546.8	504.0	463.5	452.1	452.1
57.5°	1457.3	761.7	387.1	422.5	488.6	517.1	530.2	498.3	452.1	432.2	432.7
60°	1074.7	541.6	347.2	372.3	404.8	427.6	488.6	482.3	423.6	409.9	404.8
62.5°	662.5	395.7	318.7	328.4	344.9	363.8	426.5	436.7	393.4	378.6	375.2
65°	371.2	302.7	297.0	301.0	309.0	318.7	354.1	376.9	347.2	324.4	323.3
67.5°	271.4	270.8	275.4	278.8	282.2	282.2	290.8	299.9	295.9	277.7	275.9
70°	241.2	242.9	246.3	246.9	248.0	244.0	237.2	234.3	238.9	227.5	225.2
72.5°	199.0	204.7	208.7	209.2	203.0	197.8	188.7	179.0	175.6	173.3	172.8
75°	152.8	156.8	158.5	157.9	155.6	148.2	137.4	127.7	121.4	114.6	118.0
77.5°	103.2	108.9	111.7	111.7	108.3	96.9	91.8	84.4	78.1	70.7	71.8
80°	72.4	76.4	81.0	80.4	74.7	69.0	61.6	54.7	49.6	43.9	43.3
82.5°	54.2	56.4	58.7	57.6	53.6	47.9	42.8	36.5	30.8	26.8	26.8
85°	19.4	21.1	25.7	26.8	29.1	29.1	24.5	20.5	16.5	13.7	13.7
87.5°	5.7	5.7	6.3	6.3	5.7	6.3	5.1	5.7	6.3	4.0	4.0
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)