

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: P526996

Luminaire Tested: **GALN-SA2A-727-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526996
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-SA2A-727-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6557 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

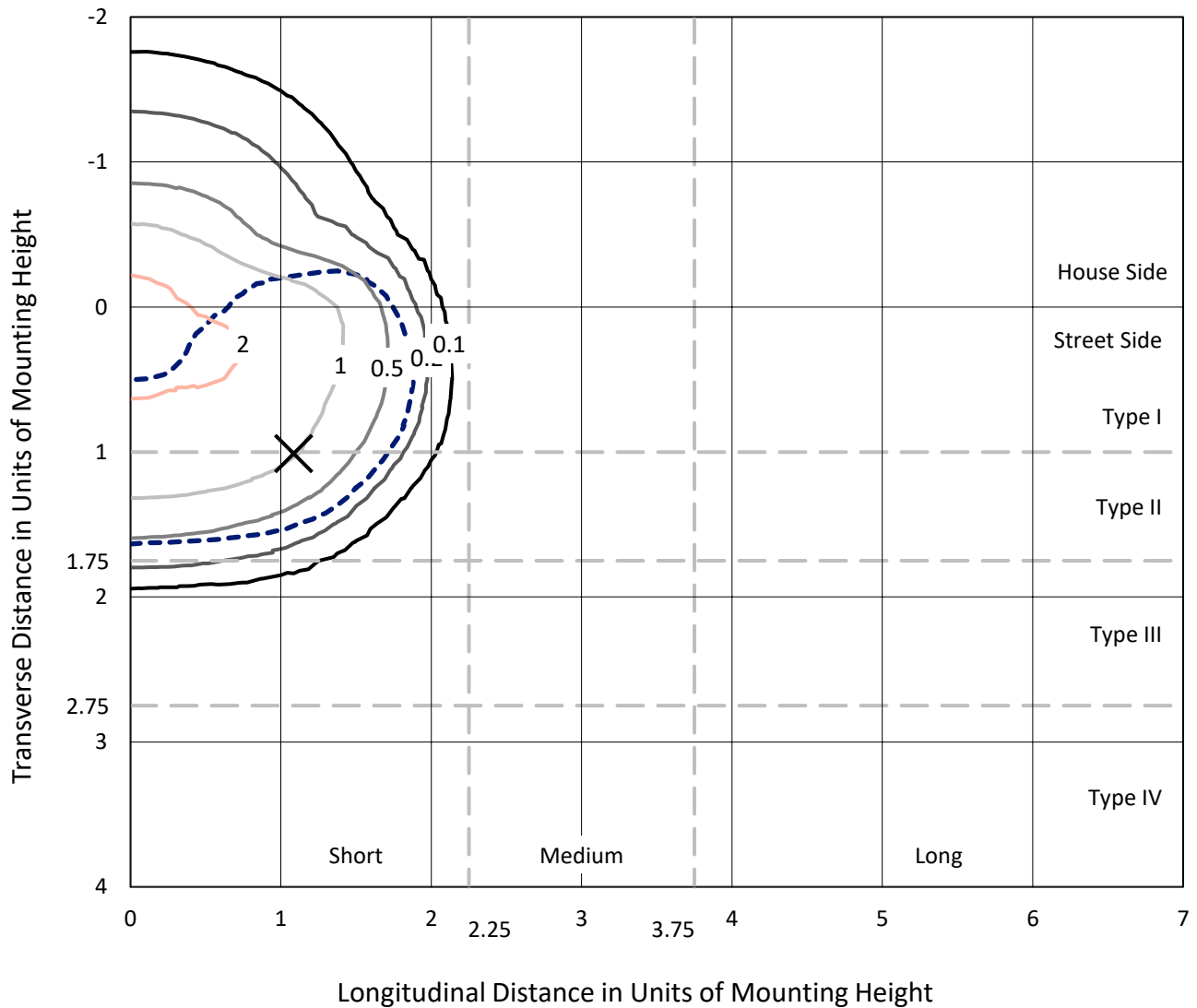
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526996
 CATALOG NUMBER: GALN-SA2A-727-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

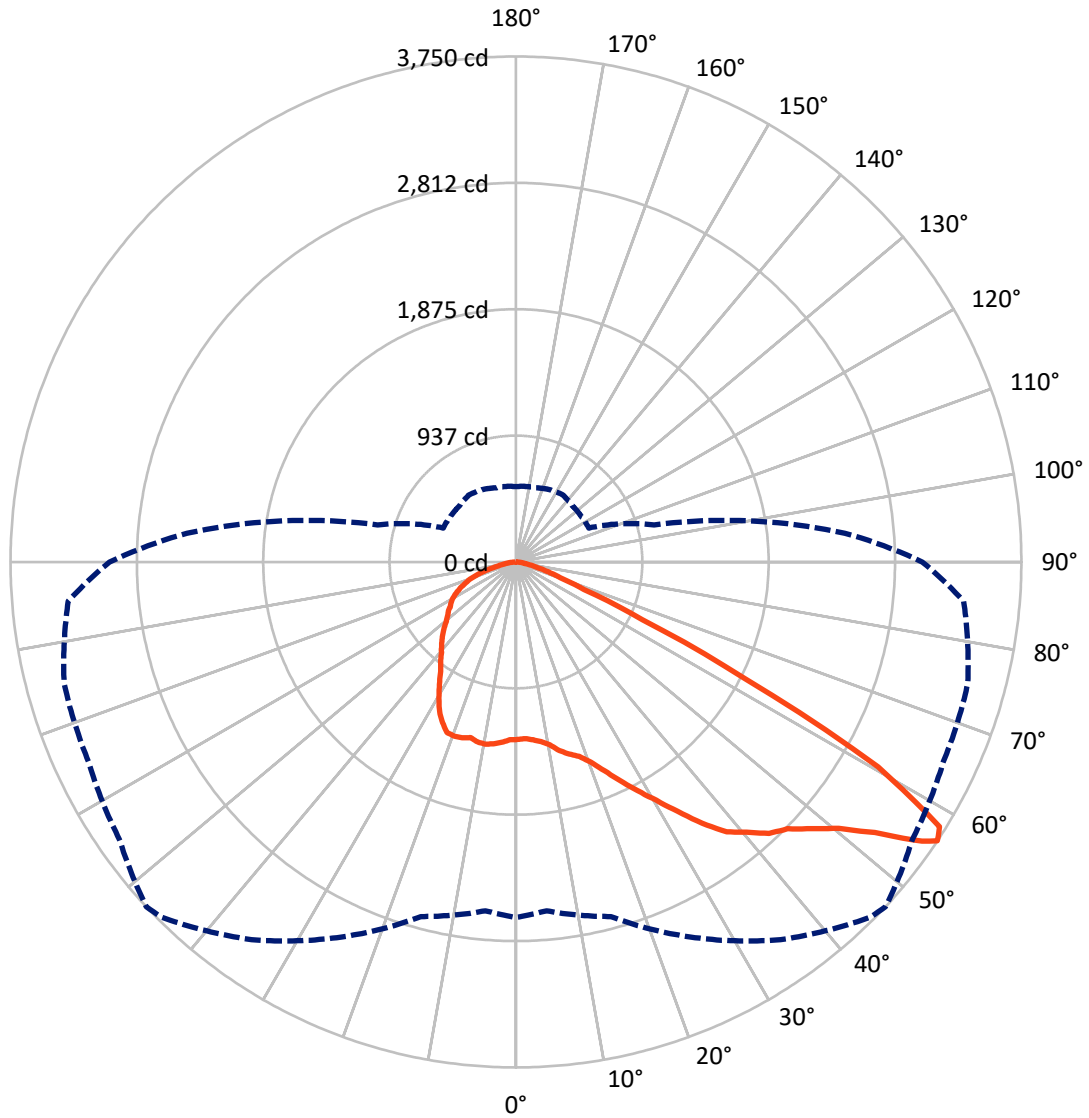
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526996
CATALOG NUMBER: GALN-SA2A-727-U-T3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526996
 CATALOG NUMBER: GALN-SA2A-727-U-T3-GRSWH

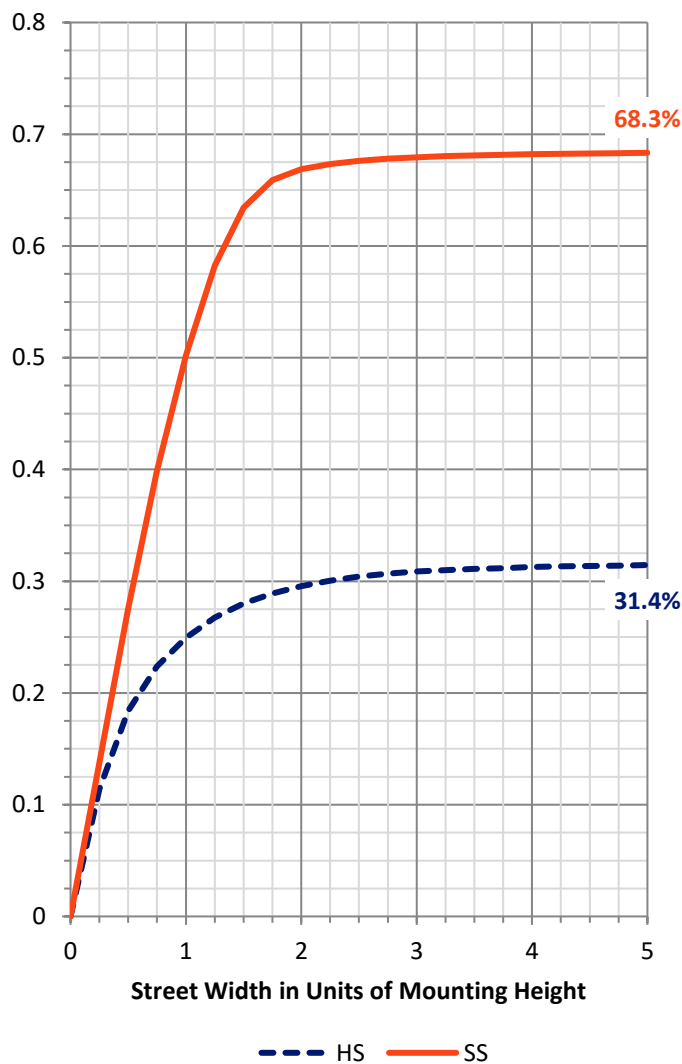
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2077.8	0.0	2077.8
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	4479.2	0.0	4479.2
	% Fixture	68.3	0.0	68.3
Total	Lumens	6557.0	0.0	6557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	2.0
10°-20°	404.8	6.2
20°-30°	715.6	10.9
30°-40°	1074.9	16.4
40°-50°	1475.2	22.5
50°-60°	1757.4	26.8
60°-70°	752.1	11.5
70°-80°	212.8	3.2
80°-90°	35.8	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°	6557.0	100.0
0°-180°	6557.0	100.0

Coefficient of Utilization

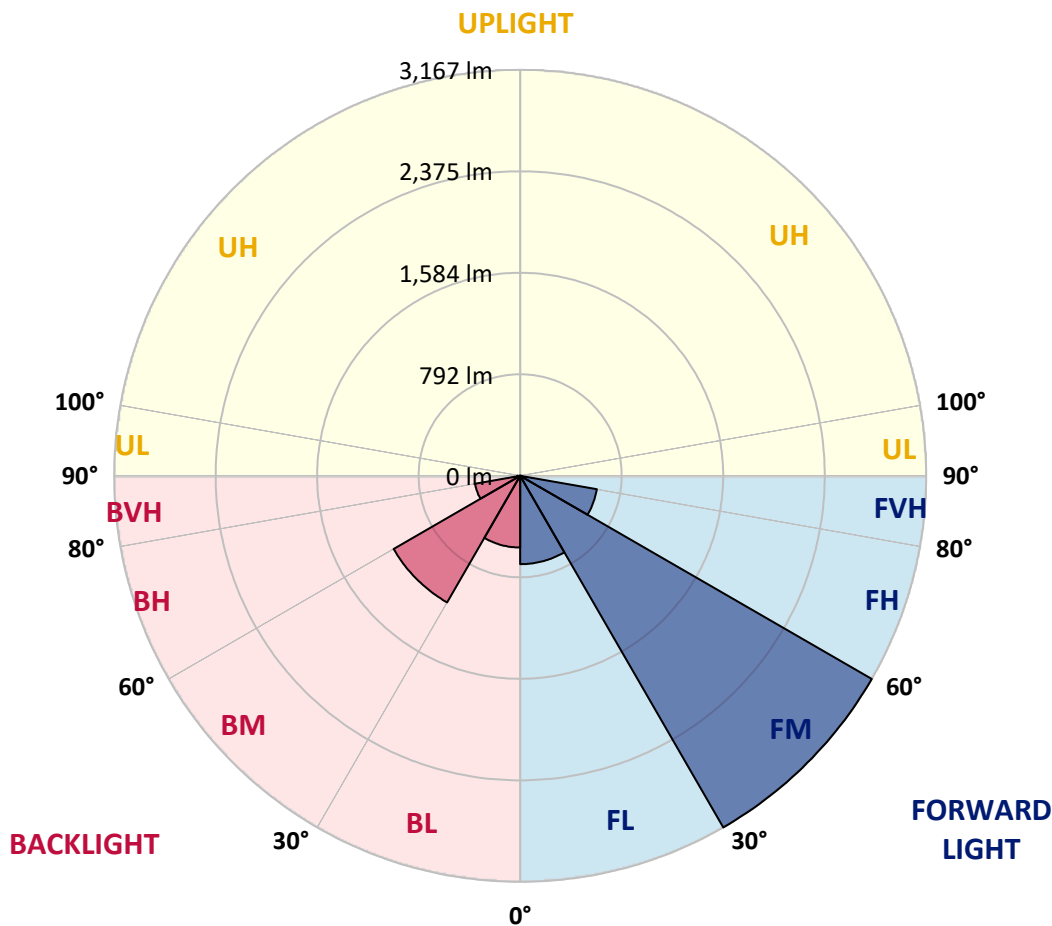


REPORT NUMBER: P526996
 CATALOG NUMBER: GALN-SA2A-727-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	689.4	10.5			
FM (30°-60°)	3167.2	48.3			
FH (60°-80°)	607.4	9.3			G0/660
FVH (80°-90°)	15.2	0.2			G1/100
BL (0°-30°)	559.4	8.5	B2/1000		
BM (30°-60°)	1140.3	17.4	B2/2500		
BH (60°-80°)	357.5	5.5	B1/500		G1/500
BVH (80°-90°)	20.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P526996

CATALOG NUMBER: GALN-SA2A-727-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1
2.5°	1312.1	1309.6	1307.9	1321.3	1316.3	1317.1	1312.1	1317.1	1320.4	1312.9	1323.8
5°	1309.6	1317.1	1310.4	1314.6	1325.5	1322.1	1325.5	1335.5	1333.0	1330.5	1327.1
7.5°	1333.0	1333.8	1338.8	1340.5	1343.9	1340.5	1345.5	1354.7	1352.2	1338.0	1339.7
10°	1366.4	1368.1	1368.9	1378.1	1384.0	1384.8	1379.0	1370.6	1369.8	1389.0	1375.6
12.5°	1404.9	1400.7	1410.8	1414.1	1420.8	1428.3	1435.9	1418.3	1429.2	1430.0	1414.1
15°	1460.9	1465.1	1453.4	1453.4	1455.9	1456.8	1477.7	1469.3	1467.6	1458.4	1465.1
17.5°	1544.6	1516.1	1515.3	1503.6	1501.9	1508.6	1516.1	1522.8	1545.4	1527.0	1491.0
20°	1605.6	1612.3	1588.0	1573.8	1576.3	1591.4	1583.9	1614.0	1629.9	1599.8	1564.6
22.5°	1713.5	1690.9	1696.8	1665.0	1667.5	1683.4	1682.5	1713.5	1722.7	1675.0	1624.0
25°	1786.2	1780.4	1785.4	1760.3	1763.7	1776.2	1796.3	1847.3	1832.2	1779.6	1661.6
27.5°	1892.4	1880.7	1876.6	1867.4	1864.0	1897.5	1920.9	1975.2	1964.4	1887.4	1728.5
30°	2001.2	1993.6	1997.8	1960.2	1973.6	2044.6	2051.3	2125.8	2120.7	1985.3	1803.0
32.5°	2076.4	2080.6	2088.1	2067.2	2126.6	2183.5	2206.0	2290.5	2294.7	2153.4	1946.8
35°	2197.7	2183.5	2187.6	2211.9	2239.5	2343.2	2380.0	2436.0	2471.1	2329.8	2084.8
37.5°	2273.8	2288.8	2271.3	2309.7	2381.7	2506.3	2539.7	2597.4	2634.2	2503.7	2272.9
40°	2392.5	2368.3	2380.8	2408.4	2482.0	2644.2	2635.0	2694.4	2706.1	2651.8	2448.6
42.5°	2520.5	2508.8	2491.2	2553.9	2615.8	2733.7	2752.1	2724.5	2783.9	2796.4	2699.4
45°	2673.5	2687.7	2690.2	2691.9	2746.3	2849.1	2824.0	2799.8	2868.4	2959.5	2855.0
47.5°	2815.7	2770.5	2803.1	2848.3	2925.2	2926.1	2955.3	2897.6	2970.4	3051.5	2995.5
50°	2863.3	2841.6	2885.1	2970.4	3089.1	3101.7	3105.0	3023.1	3060.7	3125.1	3044.0
52.5°	2844.9	2837.4	2948.6	3080.8	3254.7	3318.3	3335.0	3233.8	3254.7	3225.4	3151.0
55°	2757.1	2779.7	2891.8	3161.0	3427.8	3624.3	3656.1	3528.2	3395.2	3417.8	3335.8
56°	2636.7	2597.4	2722.8	3069.9	3420.3	3723.8	3749.8	3590.0	3499.7	3470.5	3334.1
57.5°	2237.0	2186.0	2350.7	2762.2	3230.5	3686.2	3705.4	3616.0	3482.2	3422.8	3090.8
60°	1309.6	1334.7	1543.7	1905.0	2492.0	3022.2	3086.6	3151.8	3062.4	2796.4	2300.5
62.5°	632.2	616.3	766.0	1092.1	1518.6	1929.2	1910.0	2093.1	2193.5	1986.9	1452.6
65°	331.2	329.5	418.1	596.3	834.6	1013.5	1031.1	1129.8	1267.8	1023.6	737.6
67.5°	243.4	250.0	294.4	419.0	536.9	547.7	545.2	594.6	608.0	514.3	453.3
70°	190.7	194.0	226.6	318.6	399.7	357.9	350.4	356.2	395.5	412.3	392.2
72.5°	138.0	141.3	168.9	214.9	250.0	244.2	249.2	281.8	330.3	347.9	327.0
75°	92.0	94.5	109.5	131.3	148.0	159.7	168.9	206.6	251.7	261.7	251.7
77.5°	63.6	66.1	76.1	92.8	94.5	102.0	105.4	122.9	150.5	163.1	156.4
80°	36.0	36.0	41.0	47.7	58.5	68.6	70.2	84.5	97.0	105.4	107.0
82.5°	16.7	17.6	21.7	29.3	38.5	47.7	49.3	58.5	67.7	76.1	78.6
85°	8.4	9.2	12.5	17.6	23.4	28.4	27.6	28.4	30.1	28.4	29.3
87.5°	2.5	2.5	3.3	4.2	3.3	4.2	4.2	5.0	5.9	6.7	7.5
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: P526996

CATALOG NUMBER: GALN-SA2A-727-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1	1317.1
2.5°	1324.6	1327.1	1310.4	1326.3	1320.4	1319.6	1331.3	1329.6	1333.8	1332.2	1322.1
5°	1325.5	1319.6	1337.2	1321.3	1328.8	1344.7	1333.8	1358.9	1346.4	1354.7	1336.3
7.5°	1351.4	1353.1	1349.7	1356.4	1353.1	1360.6	1354.7	1360.6	1350.6	1351.4	1368.1
10°	1374.0	1368.9	1374.8	1366.4	1372.3	1369.8	1356.4	1352.2	1355.6	1351.4	1362.3
12.5°	1415.8	1406.6	1402.4	1392.4	1385.7	1360.6	1339.7	1328.0	1343.9	1346.4	1341.4
15°	1458.4	1459.3	1440.0	1417.5	1375.6	1338.0	1343.0	1347.2	1347.2	1353.9	1341.4
17.5°	1485.2	1485.2	1467.6	1422.5	1379.8	1358.1	1353.1	1339.7	1328.0	1326.3	1325.5
20°	1532.0	1517.8	1477.7	1421.6	1378.1	1368.1	1330.5	1298.7	1274.5	1266.1	1265.3
22.5°	1585.5	1549.6	1493.6	1423.3	1375.6	1361.4	1291.2	1243.5	1200.0	1181.6	1184.1
25°	1634.9	1577.2	1502.8	1415.8	1366.4	1297.9	1219.3	1153.2	1108.0	1093.0	1085.5
27.5°	1669.2	1606.4	1502.8	1422.5	1332.2	1226.8	1146.5	1062.0	1022.7	1012.7	1014.4
30°	1715.2	1643.2	1528.7	1408.3	1263.6	1134.8	1038.6	983.4	960.0	951.7	957.5
32.5°	1823.0	1739.4	1564.6	1374.0	1182.5	1042.8	965.0	934.1	899.8	883.1	877.2
35°	1940.1	1830.6	1599.8	1316.3	1091.3	959.2	910.7	882.2	841.3	822.9	826.2
37.5°	2105.7	1947.6	1602.3	1220.9	992.6	912.4	868.0	823.7	790.3	761.8	753.5
40°	2329.0	2107.4	1596.4	1120.6	913.2	857.2	824.5	769.4	731.7	711.7	715.8
42.5°	2525.5	2294.7	1572.2	1006.9	841.3	819.5	782.7	728.4	691.6	670.7	669.0
45°	2691.1	2432.7	1526.2	909.8	781.1	777.7	735.1	693.3	664.0	644.8	653.1
47.5°	2844.1	2543.9	1456.8	812.8	725.9	732.6	691.6	665.7	647.3	629.7	628.9
50°	2899.3	2542.2	1395.7	732.6	681.5	678.2	676.5	648.9	629.7	614.6	621.3
52.5°	2991.3	2570.6	1329.6	677.4	641.4	642.2	648.1	628.0	606.3	597.1	605.4
55°	3123.4	2574.8	1184.1	613.0	608.0	613.8	613.8	600.4	582.0	574.5	570.3
56°	3015.5	2450.2	1062.0	596.3	591.2	591.2	607.1	592.1	569.5	563.6	558.6
57.5°	2781.4	2146.7	888.9	576.2	568.7	580.4	588.7	572.8	551.9	543.6	548.6
60°	1918.4	1452.6	668.2	532.7	532.7	551.9	558.6	535.2	526.0	525.2	518.5
62.5°	1119.7	846.3	522.7	493.4	495.1	511.0	516.0	502.6	490.9	505.1	511.8
65°	593.7	505.1	448.2	451.6	452.4	465.0	486.7	485.9	485.0	489.2	490.0
67.5°	429.8	419.8	407.3	403.9	405.6	414.8	436.5	453.3	452.4	442.4	434.9
70°	383.0	368.8	361.3	362.1	355.4	366.3	383.8	394.7	375.5	363.8	358.8
72.5°	318.6	314.4	309.4	310.3	296.9	294.4	274.3	274.3	269.3	265.9	271.8
75°	243.4	241.7	244.2	240.0	225.8	210.7	199.0	188.2	171.4	164.7	161.4
77.5°	153.9	158.9	164.7	155.5	149.7	138.8	127.1	116.2	102.9	95.3	95.3
80°	104.5	108.7	112.9	111.2	104.5	94.5	85.3	73.6	64.4	58.5	57.7
82.5°	79.4	82.8	88.6	82.0	75.3	66.9	59.4	51.0	42.6	36.0	36.0
85°	28.4	32.6	36.0	39.3	41.8	42.6	36.8	30.1	24.3	19.2	18.4
87.5°	7.5	8.4	9.2	8.4	8.4	8.4	9.2	8.4	7.5	5.9	5.9
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)