

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632785

Luminaire Tested: GWS-SA2D-735-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-735-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11123.5 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

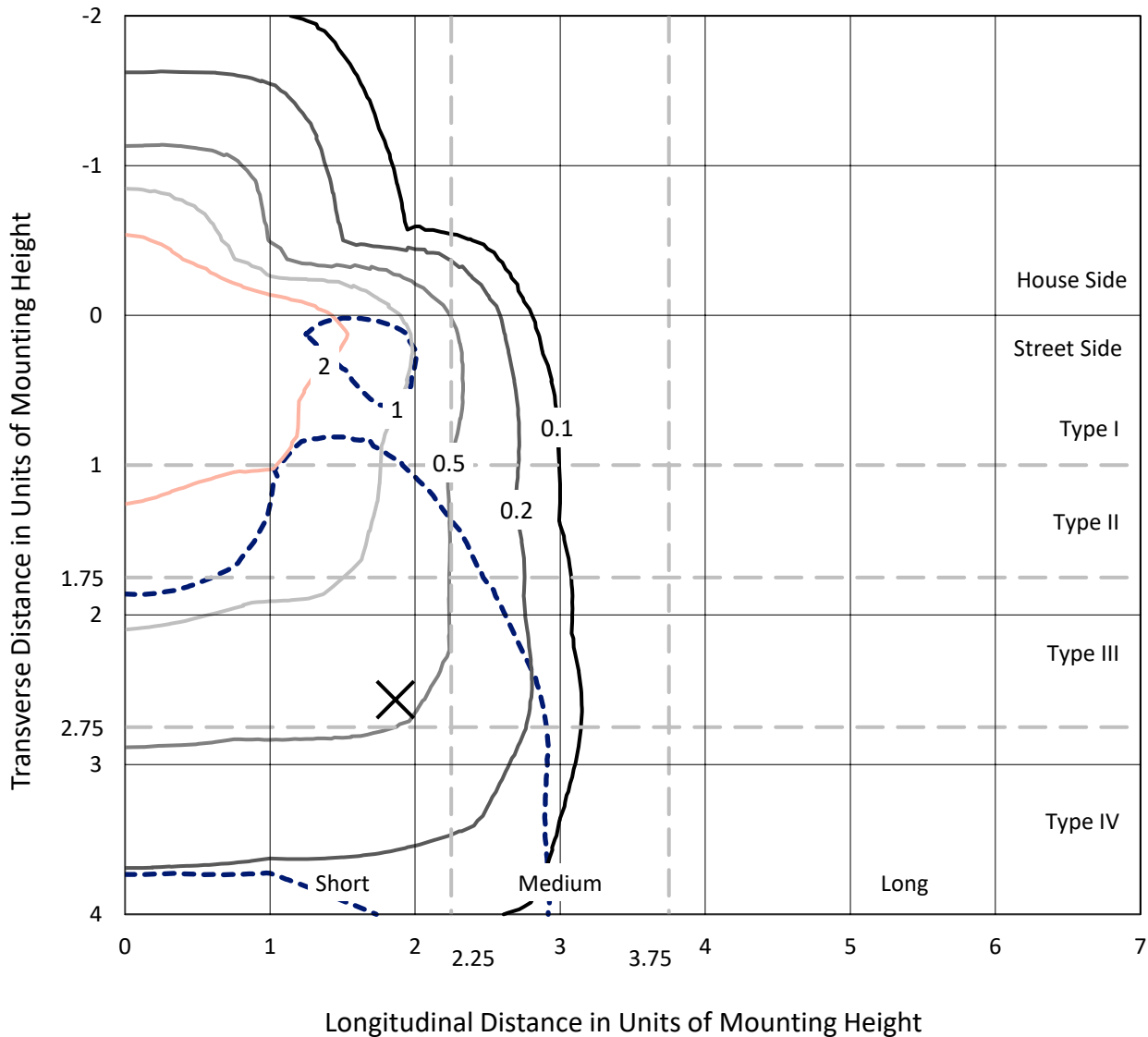
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632785
 CATALOG NUMBER: GWS-SA2D-735-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

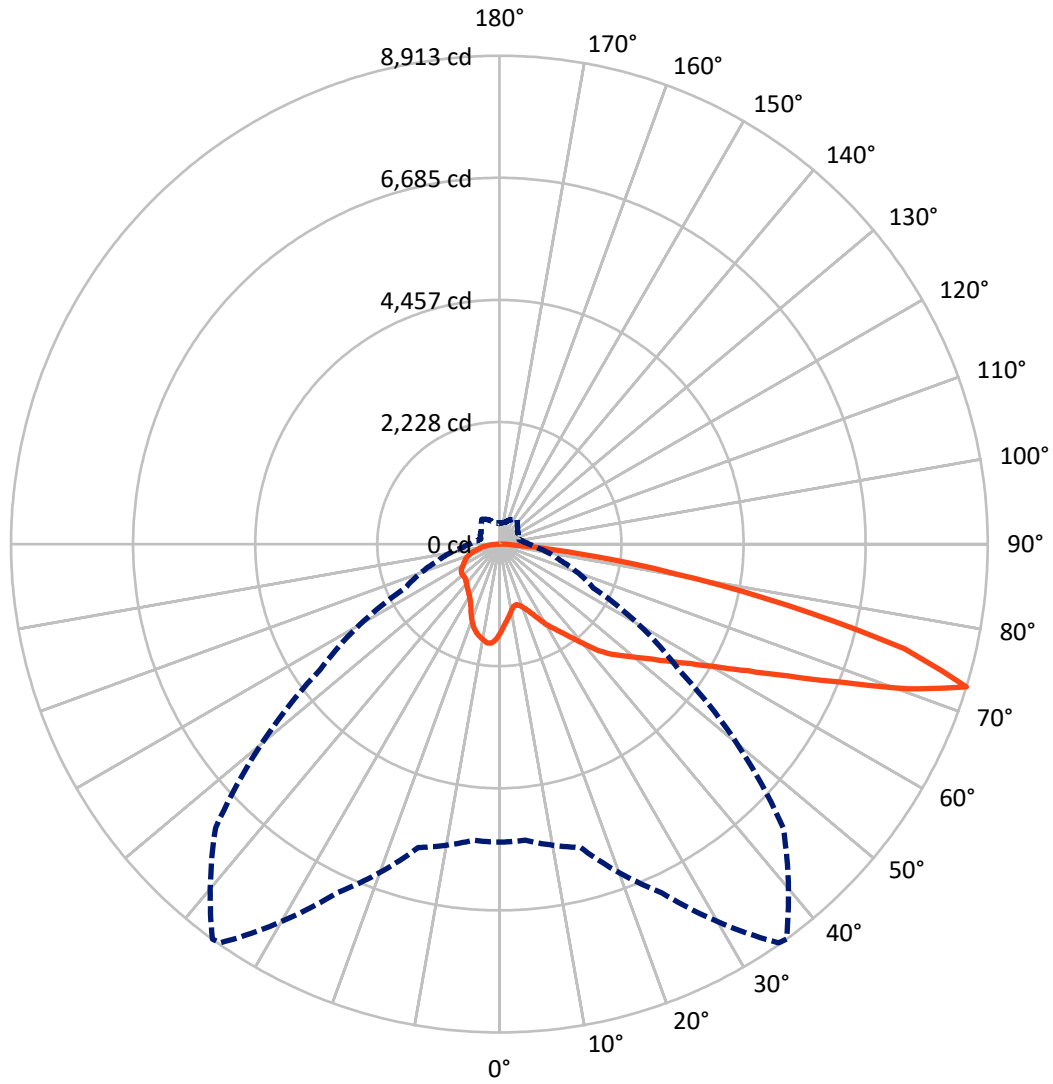
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P632785
CATALOG NUMBER: GWS-SA2D-735-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P632785

CATALOG NUMBER: GWS-SA2D-735-U-T4FT-W

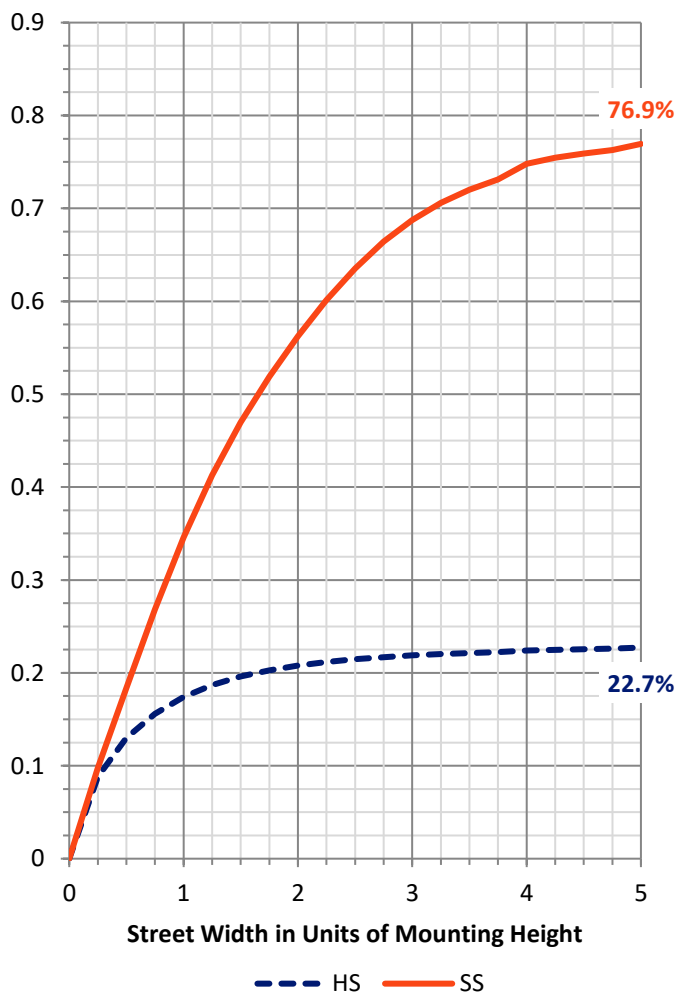
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2564.4	0.0	2564.4
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	8559.0	0.0	8559.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	11123.5	0.0	11123.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	1.4
10°-20°	429.3	3.9
20°-30°	711.0	6.4
30°-40°	1064.8	9.6
40°-50°	1553.5	14.0
50°-60°	2211.1	19.9
60°-70°	2793.6	25.1
70°-80°	1990.6	17.9
80°-90°	217.3	2.0
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°	11123.5	100.0
0°-180°	11123.5	100.0

Coefficient of Utilization



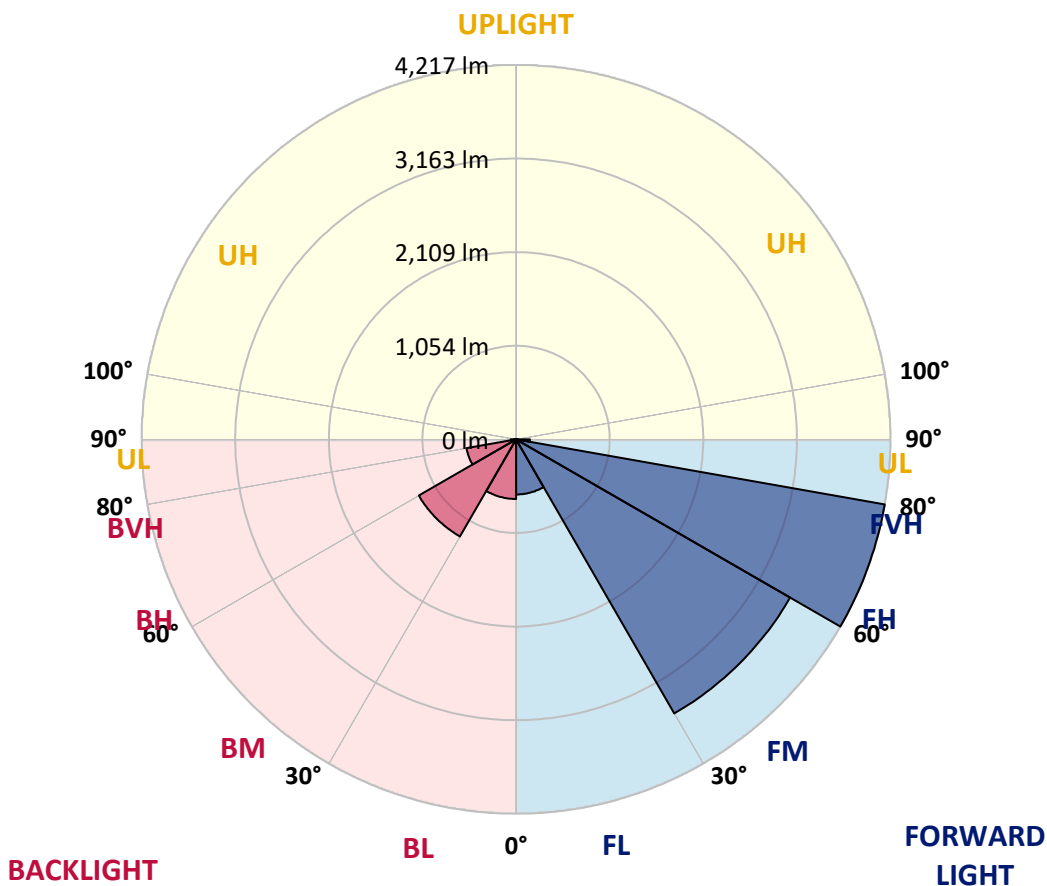
REPORT NUMBER: P632785

CATALOG NUMBER: GWS-SA2D-735-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	621.0	5.6			
FM (30°-60°)	3564.8	32.0			
FH (60°-80°)	4217.3	37.9			G2/5000
FVH (80°-90°)	156.0	1.4			G2/225
BL (0°-30°)	671.5	6.0	B2/1000		
BM (30°-60°)	1264.6	11.4	B2/2500		
BH (60°-80°)	566.9	5.1	B2/1000		G2/1000
BVH (80°-90°)	61.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Short





REPORT NUMBER: P632785
 CATALOG NUMBER: GWS-SA2D-735-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0
2.5°	1485.2	1482.7	1477.7	1492.6	1507.4	1505.8	1526.4	1546.2	1567.7	1590.0	1619.7
5°	1366.3	1364.6	1360.5	1382.8	1405.1	1404.3	1438.1	1470.3	1514.0	1561.9	1621.4
7.5°	1247.4	1243.3	1249.0	1277.1	1308.5	1311.8	1358.0	1410.9	1474.4	1546.2	1630.5
10°	1142.6	1141.7	1144.2	1175.6	1222.6	1225.9	1285.4	1358.8	1443.1	1538.8	1651.1
12.5°	1115.3	1113.7	1107.1	1122.7	1158.2	1163.2	1228.4	1318.4	1421.6	1542.9	1679.2
15°	1159.9	1155.8	1132.6	1125.2	1142.6	1146.7	1202.0	1294.5	1409.2	1550.4	1714.7
17.5°	1236.7	1234.2	1190.4	1159.9	1171.4	1174.8	1216.0	1290.3	1405.9	1565.2	1758.4
20°	1348.9	1338.2	1269.7	1223.5	1223.5	1228.4	1253.2	1308.5	1410.0	1583.4	1807.9
22.5°	1497.5	1476.1	1379.5	1316.7	1300.2	1306.8	1317.6	1353.9	1427.4	1613.9	1869.9
25°	1664.3	1644.5	1529.7	1441.4	1418.3	1420.8	1411.7	1418.3	1465.3	1656.0	1946.6
27.5°	1841.8	1828.6	1706.4	1594.1	1557.8	1557.8	1525.6	1509.9	1518.2	1703.9	2032.5
30°	2000.3	1982.1	1878.9	1755.9	1708.1	1708.1	1647.0	1613.1	1593.3	1762.5	2147.2
32.5°	2083.7	2072.9	2004.4	1910.3	1851.7	1842.6	1789.8	1750.2	1703.9	1849.2	2302.4
35°	2192.6	2190.2	2148.9	2075.4	2001.1	1987.9	1951.6	1920.2	1840.1	1957.4	2508.8
37.5°	2329.7	2325.6	2319.0	2275.2	2186.0	2183.6	2151.4	2113.4	2009.4	2113.4	2759.0
40°	2483.2	2475.8	2467.6	2466.7	2413.1	2404.0	2401.5	2358.6	2213.3	2301.6	3019.8
42.5°	2694.6	2669.0	2591.4	2626.1	2665.7	2657.4	2688.8	2624.4	2467.6	2525.3	3266.7
45°	2954.6	2891.9	2738.3	2748.2	2848.1	2864.6	2973.6	2957.9	2747.4	2783.7	3526.7
47.5°	3110.7	3056.2	2913.3	2905.1	3029.7	3050.4	3287.3	3317.0	3048.7	3095.0	3847.9
50°	3238.6	3200.6	3083.4	3095.0	3227.1	3247.7	3598.5	3662.1	3332.7	3413.6	4221.0
52.5°	3393.0	3338.5	3247.7	3302.2	3464.0	3488.8	3944.5	4013.0	3588.6	3763.7	4607.4
55°	3479.7	3457.4	3459.0	3542.4	3745.5	3779.3	4306.9	4295.3	3823.1	4063.3	4898.0
57.5°	3679.5	3671.2	3747.1	3778.5	4074.1	4117.8	4669.3	4570.2	4036.1	4295.3	5037.5
60°	4032.0	4011.3	4077.4	4125.2	4480.2	4542.1	5073.8	4839.3	4180.6	4467.8	4990.4
62.5°	4527.3	4501.7	4504.2	4580.1	5024.3	5089.5	5523.7	5063.9	4225.1	4494.3	4692.4
65°	5143.1	5106.0	5063.9	5167.1	5746.6	5801.1	6013.3	5227.3	4118.6	4240.0	4069.9
67.5°	5792.8	5762.3	5712.8	5929.1	6682.0	6715.0	6562.3	5213.3	3781.0	3559.7	2854.7
70°	5830.8	5838.3	6072.7	6855.3	7902.9	7911.2	7081.5	4931.0	3061.9	2307.4	1422.4
72.5°	5439.5	5427.1	5732.6	7024.6	8885.3	8913.4	7326.7	3994.8	1892.1	1150.8	667.0
75°	4418.3	4439.8	4760.9	6146.2	7615.6	7640.4	5972.8	2355.3	899.0	563.0	426.8
77.5°	1902.1	2021.8	2655.0	4330.0	5454.4	5377.6	3078.5	954.3	479.6	401.2	326.9
80°	549.0	596.0	946.1	2058.9	3268.3	3210.5	1218.5	357.5	334.3	301.3	234.5
82.5°	177.5	196.5	346.7	819.8	1464.5	1462.9	462.3	211.3	218.8	204.7	151.1
85°	49.5	57.0	106.5	248.5	453.2	444.1	133.7	99.9	116.4	118.1	75.1
87.5°	0.0	0.0	0.8	1.7	1.7	1.7	3.3	14.9	33.8	42.9	30.5
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: P632785
 CATALOG NUMBER: GWS-SA2D-735-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0
2.5°	1637.9	1635.4	1669.3	1695.7	1720.4	1736.9	1741.9	1745.2	1751.8	1755.1	1751.8
5°	1649.4	1661.8	1718.0	1759.2	1792.3	1812.1	1812.9	1811.2	1816.2	1812.1	1809.6
7.5°	1674.2	1698.1	1769.1	1812.9	1834.4	1835.2	1815.4	1792.3	1780.7	1770.8	1767.5
10°	1707.2	1742.7	1820.3	1849.2	1842.6	1812.1	1768.3	1732.0	1711.4	1696.5	1693.2
12.5°	1752.6	1792.3	1865.7	1864.9	1823.6	1769.1	1718.0	1674.2	1644.5	1627.1	1621.4
15°	1795.6	1845.9	1898.8	1860.0	1794.7	1728.7	1662.6	1604.0	1564.4	1537.2	1532.2
17.5°	1848.4	1902.1	1922.7	1844.3	1758.4	1673.4	1585.0	1508.3	1454.6	1422.4	1419.9
20°	1909.5	1957.4	1934.3	1817.0	1711.4	1599.9	1480.2	1394.3	1336.6	1305.2	1307.7
22.5°	1980.5	2015.2	1937.6	1779.9	1646.1	1495.9	1362.1	1279.6	1240.8	1224.3	1225.1
25°	2056.4	2078.7	1931.8	1729.5	1546.2	1368.8	1240.8	1202.8	1199.5	1195.4	1197.0
27.5°	2146.4	2141.5	1914.4	1658.5	1411.7	1221.0	1155.8	1165.7	1178.9	1177.2	1178.9
30°	2266.9	2219.9	1892.1	1560.3	1251.5	1097.1	1105.4	1133.5	1150.8	1152.5	1157.4
32.5°	2404.8	2306.6	1856.6	1426.5	1098.8	1027.8	1058.3	1092.2	1112.8	1117.0	1123.6
35°	2569.1	2405.6	1793.9	1259.8	989.0	986.5	1014.6	1037.7	1060.0	1061.7	1061.7
37.5°	2758.1	2504.7	1694.0	1075.7	921.3	951.0	977.4	982.4	988.2	983.2	985.7
40°	2931.5	2600.5	1552.0	908.1	866.0	919.7	941.9	925.4	907.3	894.9	897.4
42.5°	3076.8	2665.7	1363.8	790.9	809.9	891.6	908.9	875.1	839.6	816.5	819.8
45°	3240.3	2725.9	1142.6	711.6	762.0	871.8	883.3	839.6	794.2	759.5	754.5
47.5°	3465.6	2849.0	946.1	656.3	728.1	861.0	880.0	820.6	761.2	709.1	703.4
50°	3743.8	3023.1	781.8	620.0	712.4	855.3	879.2	800.0	729.0	667.9	663.7
52.5°	4047.6	3193.2	660.4	591.9	696.8	837.9	875.1	776.8	695.1	629.1	624.1
55°	4249.9	3260.1	578.7	565.5	671.2	810.7	858.6	754.5	643.9	583.7	576.2
57.5°	4309.3	3174.2	521.7	541.6	638.1	772.7	827.2	707.5	612.6	564.7	558.9
60°	4207.0	2957.9	486.2	521.7	601.8	724.0	772.7	680.2	587.8	544.9	540.7
62.5°	3918.0	2624.4	459.0	501.1	564.7	672.8	738.0	647.2	560.5	526.7	520.9
65°	3336.9	2152.2	436.7	479.6	529.2	624.1	700.1	614.2	530.8	505.2	498.6
67.5°	2333.8	1511.6	412.8	454.0	493.7	577.1	660.4	583.7	500.3	481.3	474.7
70°	1140.9	801.6	383.9	424.3	455.7	529.2	620.8	546.5	459.8	449.1	440.0
72.5°	543.2	448.3	350.0	383.9	403.7	465.6	554.8	492.9	411.9	388.8	373.1
75°	364.1	318.7	305.5	336.0	340.9	390.5	475.5	425.2	363.2	336.8	323.6
77.5°	275.7	243.5	256.7	284.0	274.1	321.1	391.3	378.9	327.7	303.8	297.2
80°	194.0	177.5	203.9	220.4	213.0	273.3	352.5	324.4	270.0	243.5	238.6
82.5°	122.2	118.9	150.2	152.7	155.2	216.3	289.8	255.1	209.7	172.5	160.2
85°	61.1	67.7	90.0	90.0	89.2	111.4	165.1	143.6	113.1	90.0	87.5
87.5°	20.6	28.9	38.8	31.4	23.9	19.0	21.5	26.4	28.1	27.2	27.2
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)