

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: P632834

Luminaire Tested: GWS-SA2D-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11684.1 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - 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

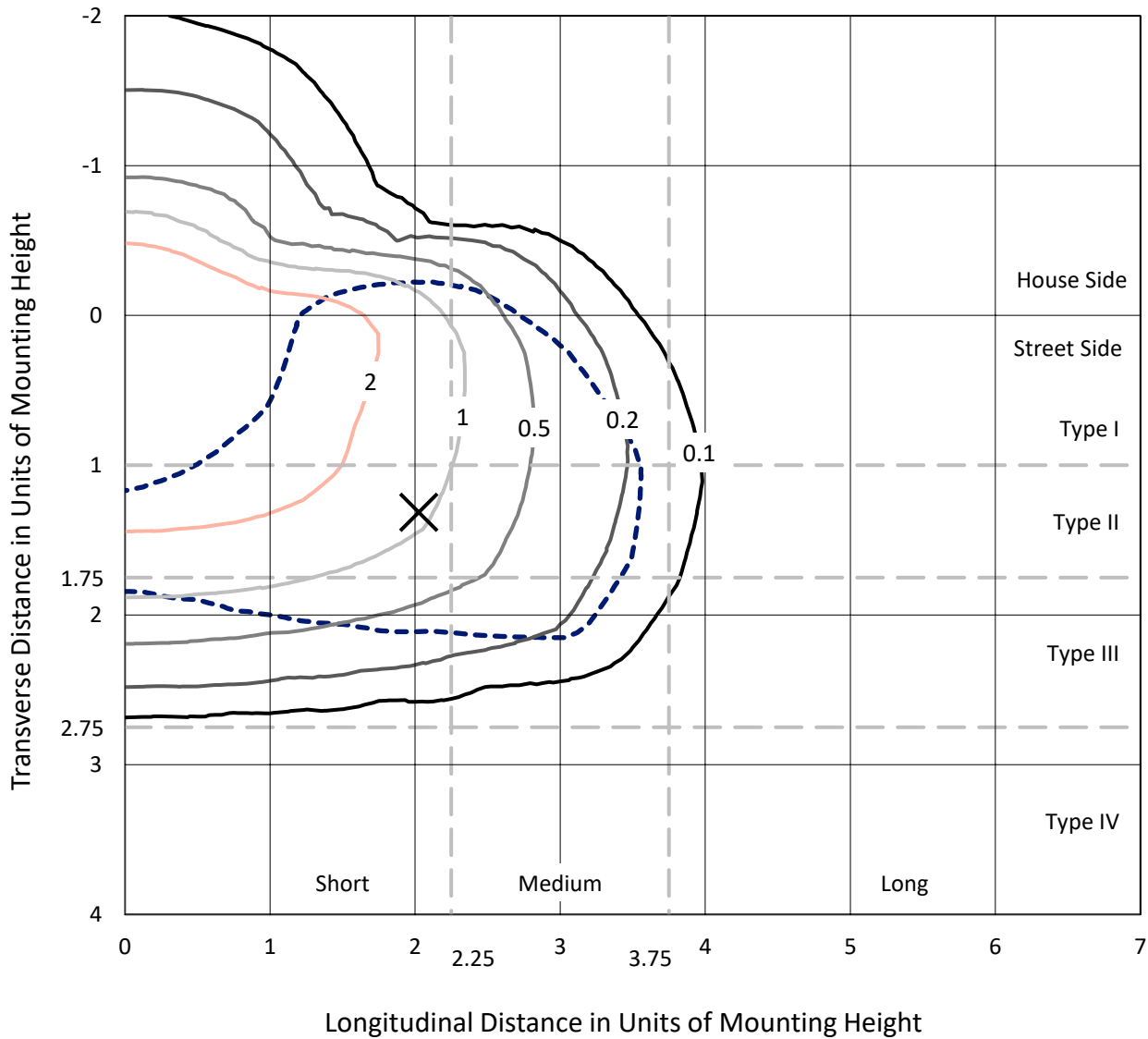


REPORT NUMBER: P632834

CATALOG NUMBER: GWS-SA2D-740-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

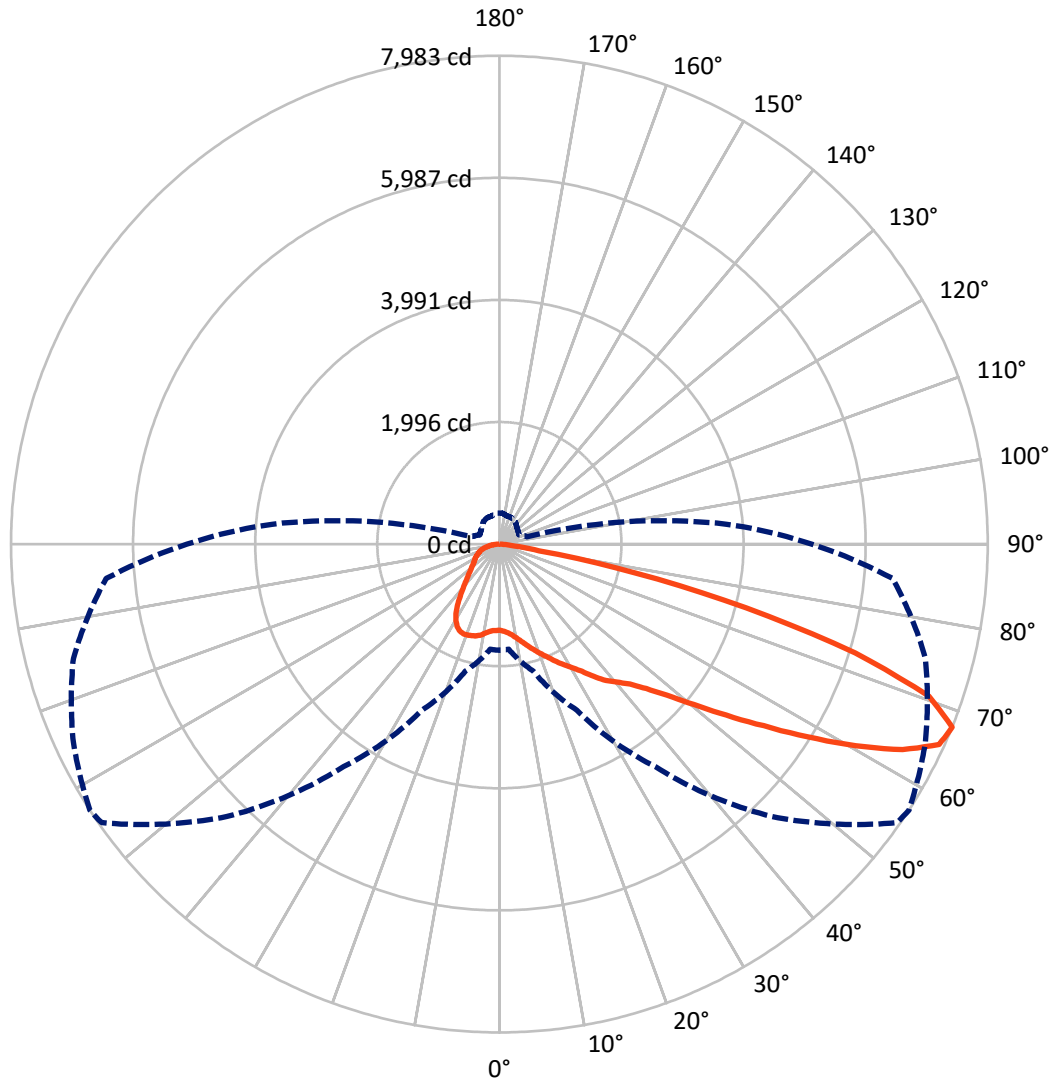
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

REPORT NUMBER: P632834
CATALOG NUMBER: GWS-SA2D-740-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P632834

CATALOG NUMBER: GWS-SA2D-740-U-T3-W

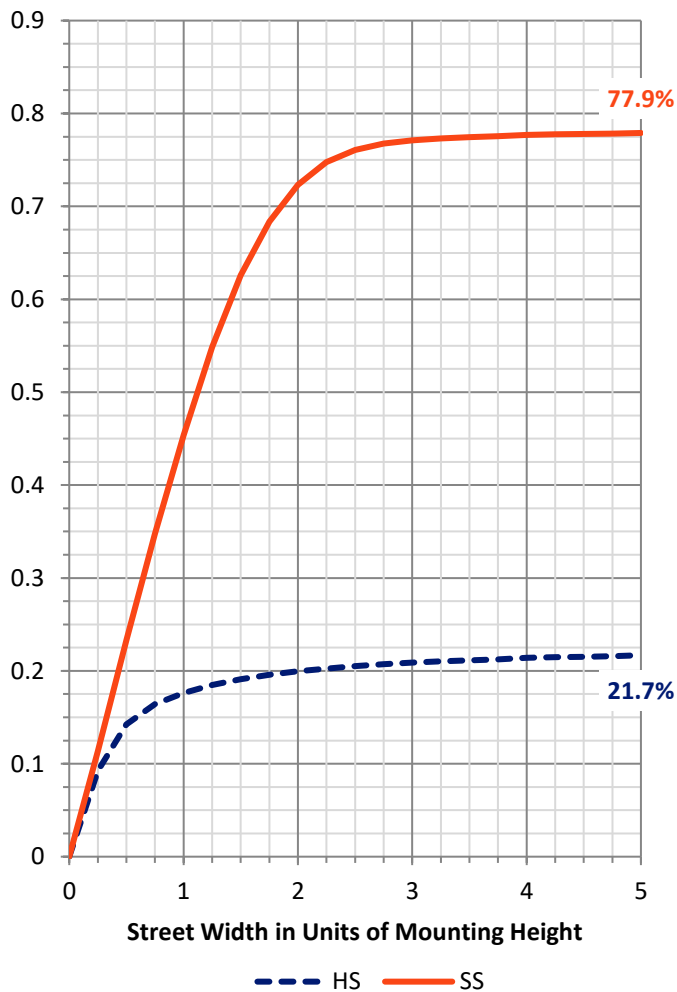
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2568.9	0.0	2568.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	9115.2	0.0	9115.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	11684.1	0.0	11684.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	1.2
10°-20°	462.2	4.0
20°-30°	824.1	7.1
30°-40°	1198.1	10.3
40°-50°	1734.1	14.8
50°-60°	2713.8	23.2
60°-70°	3165.8	27.1
70°-80°	1321.5	11.3
80°-90°	124.7	1.1
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°	11684.1	100.0
0°-180°	11684.1	100.0

Coefficient of Utilization



REPORT NUMBER: P632834

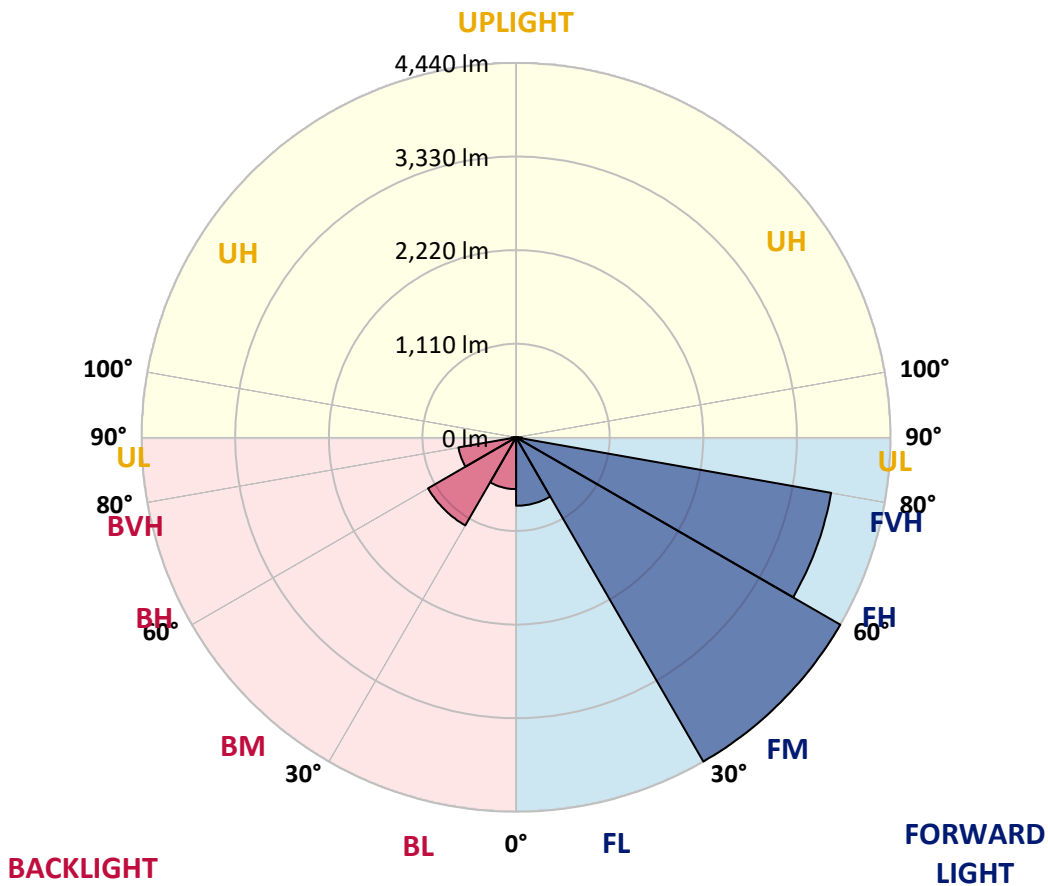
CATALOG NUMBER: GWS-SA2D-740-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	811.6	6.9			
FM (30°-60°)	4440.1	38.0			
FH (60°-80°)	3794.0	32.5			G2/5000
FVH (80°-90°)	69.5	0.6			G1/100
BL (0°-30°)	614.4	5.3	B2/1000		
BM (30°-60°)	1205.9	10.3	B2/2500		
BH (60°-80°)	693.4	5.9	B2/1000		G2/1000
BVH (80°-90°)	55.2	0.5			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 III Short





REPORT NUMBER: P632834

CATALOG NUMBER: GWS-SA2D-740-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1427.9	1426.3	1425.4	1430.5	1428.8	1427.9	1427.9	1427.1	1425.4	1418.7	1409.5
5°	1467.3	1463.9	1460.6	1464.8	1461.4	1458.1	1457.2	1455.6	1449.7	1439.7	1425.4
7.5°	1508.3	1504.9	1505.8	1508.3	1505.8	1504.1	1501.6	1499.9	1490.7	1474.8	1455.6
10°	1566.0	1566.0	1567.7	1570.2	1571.1	1568.6	1563.5	1561.0	1550.1	1530.1	1503.3
12.5°	1649.8	1648.1	1648.1	1646.4	1648.9	1646.4	1641.4	1637.2	1623.8	1597.9	1559.4
15°	1760.2	1753.5	1747.7	1736.8	1733.5	1724.2	1725.9	1723.4	1710.9	1675.7	1627.2
17.5°	1878.3	1877.4	1868.2	1846.4	1824.7	1809.6	1813.0	1812.1	1805.4	1757.7	1695.8
20°	1982.0	1986.2	1977.9	1961.1	1931.8	1903.4	1901.7	1905.9	1897.5	1849.8	1763.6
22.5°	2098.4	2095.0	2086.7	2064.9	2043.1	2013.0	2003.0	1999.6	1996.3	1941.9	1833.1
25°	2208.9	2218.9	2208.0	2187.9	2154.5	2121.8	2113.5	2116.8	2107.6	2035.6	1907.6
27.5°	2348.7	2352.8	2346.1	2318.5	2290.1	2244.0	2228.1	2228.1	2224.8	2123.5	1966.1
30°	2497.6	2509.4	2497.6	2475.0	2445.7	2379.6	2345.3	2342.0	2331.9	2213.9	2034.8
32.5°	2647.5	2655.8	2647.5	2625.7	2592.2	2534.5	2485.1	2477.6	2464.2	2312.7	2105.1
35°	2780.6	2788.1	2786.4	2791.4	2763.8	2691.0	2660.9	2657.5	2622.4	2441.6	2200.5
37.5°	2926.2	2935.4	2922.8	2932.9	2922.0	2853.4	2844.2	2827.4	2777.2	2562.9	2300.9
40°	3091.9	3100.3	3080.2	3084.4	3071.8	3033.3	2986.5	2963.9	2889.4	2694.3	2459.1
42.5°	3269.4	3288.6	3297.8	3290.3	3261.0	3239.2	3157.2	3128.8	3066.8	2931.2	2719.5
45°	3526.3	3554.8	3568.2	3548.9	3536.4	3505.4	3405.0	3370.6	3338.0	3265.2	3082.7
47.5°	3803.4	3829.3	3872.0	3880.4	3890.4	3867.0	3725.5	3692.1	3697.9	3689.5	3529.7
50°	4024.4	4046.1	4142.4	4245.3	4330.7	4337.4	4156.6	4120.6	4152.4	4179.2	4067.9
52.5°	4185.1	4204.3	4331.5	4544.1	4737.5	4880.6	4685.6	4644.6	4670.5	4730.8	4679.7
55°	4315.6	4342.4	4475.5	4801.9	5192.8	5418.8	5294.1	5242.2	5231.3	5305.8	5335.1
57.5°	4384.3	4392.6	4579.3	5003.7	5526.8	5947.0	6001.4	5942.8	5839.0	5880.0	6032.3
60°	4227.7	4242.0	4497.3	5055.6	5790.5	6470.9	6743.8	6695.3	6474.3	6496.9	6665.1
62.5°	3795.0	3815.1	4122.3	4808.6	5812.2	6820.8	7429.3	7398.4	7102.0	6979.8	7030.1
65°	3044.2	3050.9	3369.0	4197.6	5379.5	6864.3	7907.3	7899.7	7540.6	7254.4	7039.3
67.5°	1736.0	1724.2	2149.4	2994.0	4439.5	6298.5	7938.2	7982.6	7682.9	7209.2	6453.4
70°	752.5	754.1	950.0	1477.3	2873.5	5090.7	7373.2	7449.4	7271.1	6456.7	5134.2
72.5°	348.2	353.2	437.8	639.5	1227.1	3158.0	6012.3	6080.9	5927.7	5167.7	3735.6
75°	246.1	250.3	292.1	366.6	564.1	1230.4	4021.8	4165.8	4240.3	3865.3	2461.7
77.5°	186.7	192.5	213.4	254.5	348.2	436.1	1924.3	2267.5	2701.0	2404.7	1268.1
80°	118.9	118.9	141.5	169.9	212.6	226.8	555.8	658.7	1321.6	991.0	498.0
82.5°	80.4	82.9	96.3	108.0	122.2	128.9	238.5	254.5	381.7	337.3	205.1
85°	42.7	44.4	50.2	49.4	58.6	51.1	100.4	99.6	139.8	153.2	77.8
87.5°	0.0	0.0	0.8	0.8	1.7	2.5	10.9	11.7	29.3	46.9	25.9
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: P632834
 CATALOG NUMBER: GWS-SA2D-740-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1414.6	1404.5	1409.5	1407.9	1412.9	1412.9	1403.7	1401.2	1402.0	1392.0	1388.6
5°	1427.1	1415.4	1417.9	1414.6	1419.6	1423.8	1419.6	1419.6	1424.6	1417.1	1412.9
7.5°	1455.6	1442.2	1442.2	1438.0	1443.8	1447.2	1443.8	1448.9	1458.1	1450.5	1446.4
10°	1500.8	1484.9	1485.7	1480.7	1483.2	1481.5	1468.1	1463.9	1466.4	1459.7	1456.4
12.5°	1559.4	1537.6	1537.6	1527.5	1521.7	1504.1	1476.5	1466.4	1468.1	1462.3	1459.7
15°	1615.4	1595.3	1591.2	1571.1	1544.3	1511.6	1486.5	1479.8	1481.5	1475.7	1471.5
17.5°	1681.6	1655.6	1640.5	1603.7	1554.3	1520.9	1495.7	1479.8	1466.4	1453.1	1449.7
20°	1742.7	1710.0	1682.4	1625.5	1565.2	1519.2	1472.3	1433.0	1400.3	1382.7	1378.6
22.5°	1805.4	1763.6	1715.0	1640.5	1564.4	1489.0	1402.8	1343.4	1294.9	1268.9	1273.9
25°	1864.9	1812.1	1746.0	1654.8	1537.6	1422.1	1304.9	1216.2	1160.9	1140.8	1135.0
27.5°	1914.2	1849.0	1774.5	1648.1	1482.3	1325.8	1171.0	1072.2	1018.6	996.0	990.2
30°	1969.5	1895.8	1815.5	1617.1	1395.3	1191.1	1019.5	939.1	900.6	878.9	879.7
32.5°	2033.1	1956.1	1873.2	1557.7	1284.0	1045.4	894.8	839.5	808.6	786.8	783.4
35°	2118.5	2042.3	1911.7	1468.1	1142.5	911.5	809.4	764.2	725.7	697.2	691.4
37.5°	2223.9	2172.0	1915.9	1348.4	991.0	819.4	748.3	699.7	652.9	615.2	611.0
40°	2404.7	2345.3	1881.6	1198.6	862.1	760.0	697.2	641.2	586.7	544.9	539.0
42.5°	2662.5	2540.3	1807.9	1029.5	765.0	713.1	648.7	577.5	522.3	493.0	488.8
45°	2990.6	2758.0	1697.5	870.5	693.0	667.1	597.6	523.1	493.8	472.9	468.7
47.5°	3392.4	3011.6	1570.2	746.6	637.0	625.2	545.7	504.7	478.8	461.2	457.0
50°	3872.9	3334.7	1465.6	649.5	586.7	576.7	529.0	493.8	472.9	458.7	455.3
52.5°	4421.1	3693.7	1414.6	580.0	543.2	533.2	523.1	491.3	473.7	462.9	458.7
55°	4990.3	4072.1	1366.8	526.5	506.4	512.3	524.0	499.7	486.3	472.1	467.9
57.5°	5540.2	4427.0	1249.7	484.6	479.6	502.2	528.2	508.1	492.2	477.9	472.9
60°	5919.4	4621.1	1051.3	451.1	459.5	489.7	517.3	495.5	475.4	469.6	467.1
62.5°	6021.5	4597.7	816.1	416.8	435.2	462.0	488.8	474.6	453.7	462.9	463.7
65°	5782.9	4346.6	612.7	383.4	403.4	426.0	459.5	453.7	446.1	471.2	472.1
67.5°	5107.4	3729.7	467.1	354.1	370.8	398.4	450.3	474.6	476.3	508.1	504.7
70°	3864.5	2786.4	365.8	326.4	345.7	398.4	479.6	490.5	470.4	499.7	493.0
72.5°	2671.7	1838.9	311.4	302.2	314.7	380.0	478.8	478.8	457.0	457.0	444.5
75°	1659.8	1081.4	271.2	271.2	271.2	332.3	465.4	441.1	402.6	385.0	375.0
77.5°	819.4	525.6	227.7	236.0	226.8	277.9	380.0	360.8	337.3	318.9	312.2
80°	349.9	262.8	184.1	193.3	182.5	209.3	301.3	297.1	274.5	250.3	242.7
82.5°	160.7	135.6	147.3	151.5	133.1	157.4	220.1	220.1	207.6	174.1	161.5
85°	68.6	72.0	102.1	102.1	83.7	88.7	118.0	112.2	100.4	82.0	75.3
87.5°	23.4	35.2	51.9	45.2	17.6	7.5	4.2	1.7	0.0	0.0	0.0
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)