

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: P631319

Luminaire Tested: GWS-SA1F-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-740-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4947 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

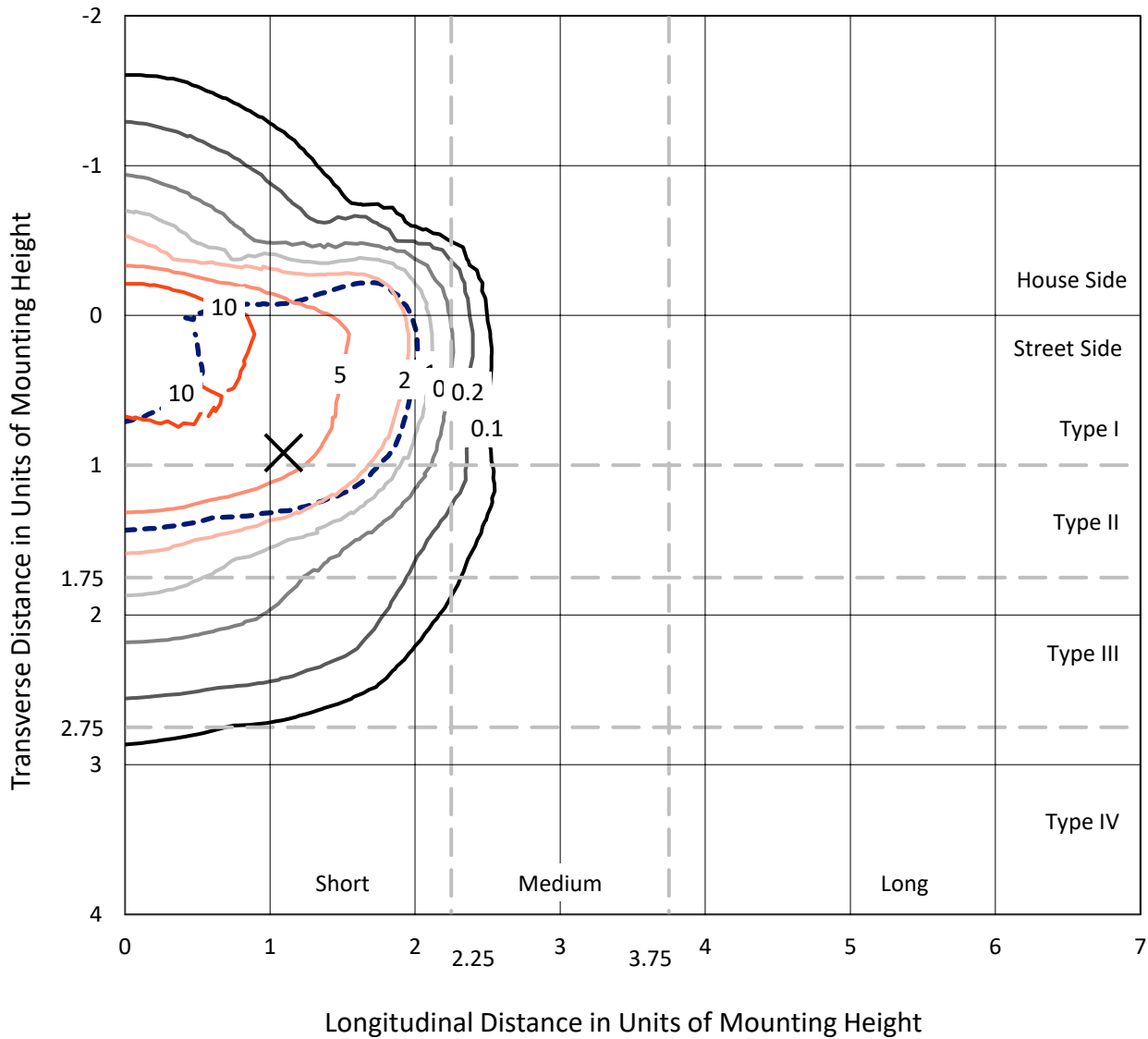
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631319
 CATALOG NUMBER: GWS-SA1F-740-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

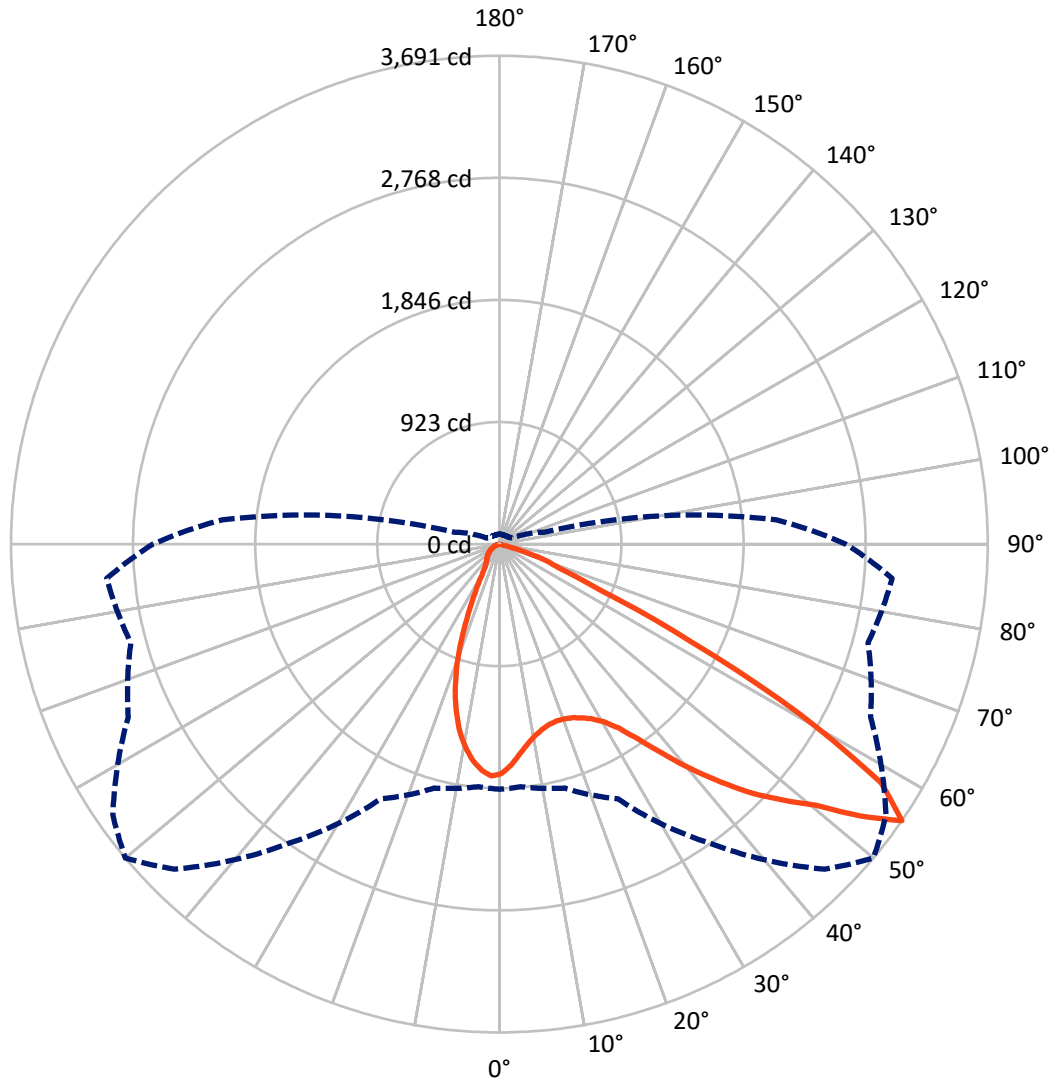
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Short - N/A

REPORT NUMBER: P631319
CATALOG NUMBER: GWS-SA1F-740-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P631319

CATALOG NUMBER: GWS-SA1F-740-U-SL2-W-GRSBK

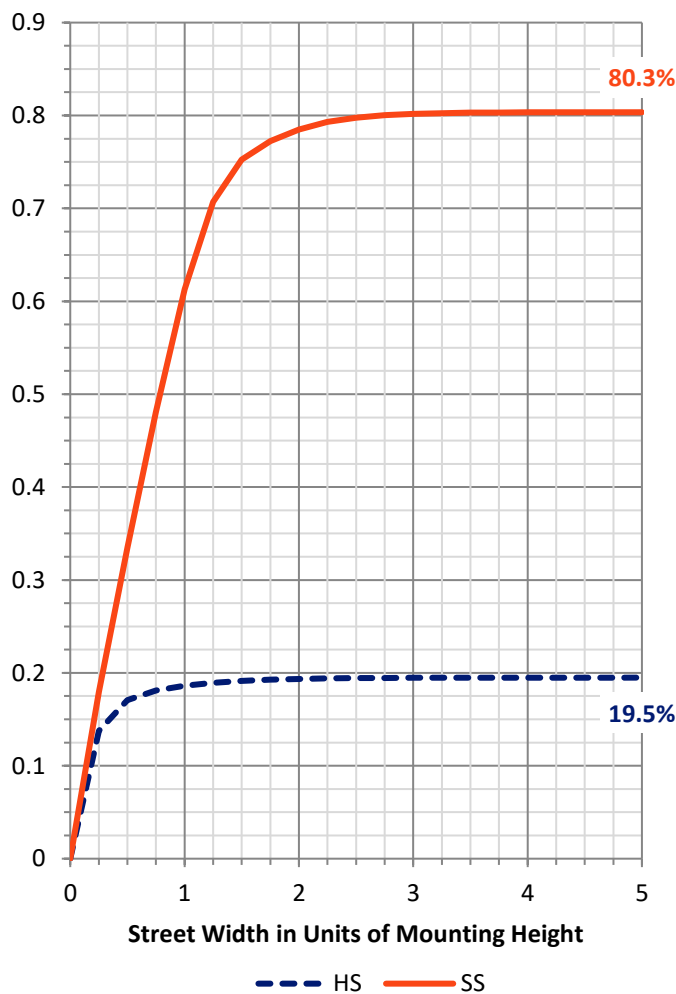
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.8	0.0	974.8
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	3972.2	0.0	3972.2
	% Fixture	80.3	0.0	80.3
Total	Lumens	4947.0	0.0	4947.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	3.1
10°-20°	375.1	7.6
20°-30°	529.1	10.7
30°-40°	783.0	15.8
40°-50°	1129.5	22.8
50°-60°	1332.4	26.9
60°-70°	594.4	12.0
70°-80°	51.1	1.0
80°-90°	0.0	0.0
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°	4947.0	100.0
0°-180°	4947.0	100.0

Coefficient of Utilization



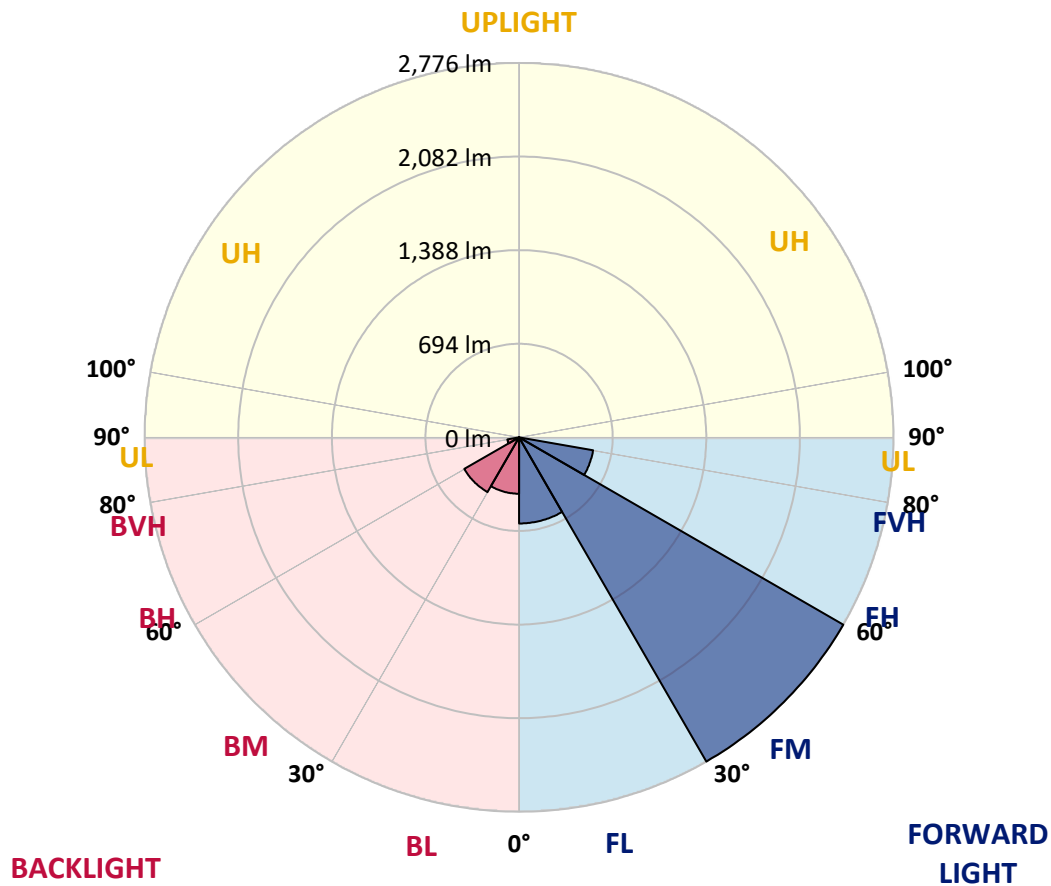
REPORT NUMBER: P631319

CATALOG NUMBER: GWS-SA1F-740-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	638.7	12.9			
FM (30°-60°)	2776.1	56.1			
FH (60°-80°)	557.4	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	418.0	8.4	B1/500		
BM (30°-60°)	468.8	9.5	B1/1000		
BH (60°-80°)	88.0	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





REPORT NUMBER: P631319

CATALOG NUMBER: GWS-SA1F-740-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7
2.5°	1612.5	1613.7	1614.3	1630.6	1636.6	1660.8	1673.5	1680.1	1697.6	1718.2	1735.1
5°	1504.4	1502.6	1505.6	1526.1	1539.4	1575.0	1594.4	1607.7	1646.3	1694.6	1735.1
7.5°	1410.2	1413.8	1417.4	1439.8	1459.7	1498.3	1526.1	1546.0	1599.8	1671.7	1739.9
10°	1343.7	1343.7	1349.2	1374.5	1398.1	1445.8	1473.6	1498.9	1563.0	1651.1	1745.3
12.5°	1294.8	1295.4	1302.1	1331.1	1358.2	1407.8	1436.7	1461.5	1532.2	1630.6	1746.6
15°	1271.9	1270.1	1275.5	1306.3	1336.5	1383.0	1413.2	1437.3	1510.4	1619.1	1752.6
17.5°	1265.8	1264.6	1268.8	1299.0	1329.8	1375.1	1404.7	1428.9	1507.4	1622.7	1770.7
20°	1283.3	1280.9	1279.1	1305.1	1334.1	1378.8	1409.6	1436.7	1521.9	1642.7	1798.5
22.5°	1325.0	1325.0	1320.8	1333.5	1352.8	1393.3	1425.3	1460.9	1559.9	1682.5	1839.6
25°	1401.7	1395.7	1387.8	1393.3	1390.8	1416.2	1454.3	1503.8	1631.8	1748.4	1889.7
27.5°	1489.3	1494.7	1481.4	1482.0	1460.9	1451.8	1495.9	1570.8	1738.7	1841.4	1964.0
30°	1608.3	1604.0	1604.6	1602.8	1553.9	1511.0	1558.7	1658.4	1873.4	1983.3	2060.6
32.5°	1701.3	1707.3	1727.2	1738.7	1674.7	1605.8	1656.6	1777.4	2026.8	2145.1	2179.0
35°	1799.7	1810.6	1851.0	1888.5	1834.7	1755.6	1810.0	1935.0	2171.1	2305.2	2314.8
37.5°	1903.6	1925.3	1973.6	2039.5	2031.0	1960.9	2010.5	2120.4	2284.7	2401.8	2427.2
40°	2022.5	2043.7	2122.8	2217.6	2237.5	2221.8	2238.1	2302.2	2359.5	2406.0	2475.5
42.5°	2153.0	2182.0	2282.2	2409.1	2483.9	2497.8	2459.8	2453.1	2392.1	2357.7	2465.2
45°	2307.0	2340.8	2454.4	2618.6	2737.6	2756.3	2690.5	2605.3	2412.7	2322.1	2434.4
47.5°	2479.7	2511.7	2624.7	2822.1	2999.1	3006.3	2891.6	2754.5	2473.7	2363.2	2458.0
50°	2537.7	2557.6	2655.5	2887.4	3213.5	3269.1	3103.0	2922.4	2596.3	2483.9	2572.7
52.5°	2338.4	2346.3	2431.4	2665.7	3170.0	3526.9	3411.6	3173.0	2814.3	2668.1	2749.7
55°	1852.8	1840.2	1909.0	2124.0	2755.1	3474.4	3691.2	3566.8	3095.1	2884.3	2979.8
57.5°	1296.0	1280.9	1265.2	1410.8	2055.8	2945.3	3401.3	3621.7	3362.7	3098.7	3228.0
60°	1065.3	1050.8	974.7	907.7	1242.9	2114.9	2612.6	3027.5	3340.9	3087.9	3220.1
62.5°	920.4	911.9	881.1	789.9	731.4	1207.2	1636.0	2033.4	2563.7	2424.8	2432.0
65°	722.9	720.5	741.6	751.3	646.8	667.9	834.6	1056.9	1386.0	1306.9	1239.3
67.5°	494.0	488.6	528.4	649.8	622.0	527.2	488.6	492.8	599.7	366.6	291.1
70°	314.0	301.4	302.0	402.8	506.1	416.1	376.8	331.6	298.3	54.4	61.6
72.5°	201.1	193.3	166.1	181.8	234.3	202.9	204.7	176.3	117.8	29.0	33.8
75°	84.5	77.9	59.8	47.7	47.1	29.6	26.0	24.2	16.3	16.3	17.5
77.5°	0.6	0.0	0.0	0.6	1.2	0.6	0.6	1.2	2.4	3.6	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P631319

CATALOG NUMBER: GWS-SA1F-740-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7
2.5°	1745.3	1730.9	1747.2	1753.2	1752.6	1753.2	1735.7	1723.6	1723.0	1707.9	1700.7
5°	1752.0	1740.5	1752.6	1744.7	1726.0	1702.5	1671.1	1643.9	1631.8	1614.3	1605.8
7.5°	1764.7	1752.6	1750.8	1719.4	1672.9	1623.4	1567.8	1518.3	1491.7	1459.7	1461.5
10°	1773.7	1759.8	1736.3	1672.3	1595.0	1515.9	1433.1	1359.4	1312.9	1270.1	1262.8
12.5°	1777.4	1756.8	1701.9	1605.2	1496.5	1393.3	1271.9	1166.8	1094.3	1038.1	1030.3
15°	1784.0	1750.8	1657.8	1524.3	1375.1	1229.0	1074.4	930.6	834.6	770.0	775.4
17.5°	1794.3	1744.1	1608.3	1433.7	1244.7	1038.1	829.2	664.3	576.1	538.7	539.3
20°	1808.8	1736.3	1553.9	1334.1	1088.3	822.5	579.8	455.4	430.6	429.4	427.6
22.5°	1828.1	1728.4	1495.9	1224.8	902.9	576.1	385.9	347.3	357.5	377.5	381.1
25°	1851.0	1718.8	1431.3	1101.6	700.6	378.1	289.3	283.2	308.0	334.6	340.6
27.5°	1886.7	1713.9	1357.6	961.4	491.6	271.2	236.7	240.4	262.7	285.1	290.5
30°	1947.1	1723.0	1277.3	804.4	315.9	216.2	205.3	210.8	222.8	234.3	239.2
32.5°	2029.2	1749.6	1199.4	632.9	225.3	187.8	185.4	188.4	193.3	199.9	201.7
35°	2125.2	1795.5	1119.1	452.9	186.0	171.5	169.1	169.1	171.5	172.7	173.3
37.5°	2204.3	1843.8	1043.6	301.4	166.7	158.8	155.2	153.4	152.8	154.0	154.6
40°	2238.8	1863.7	961.4	219.2	152.8	147.4	141.9	136.5	136.5	140.7	141.3
42.5°	2214.6	1841.4	866.6	181.2	143.1	135.3	126.8	122.0	124.4	128.6	129.8
45°	2163.3	1786.4	762.2	160.0	133.5	123.2	113.5	110.5	112.9	118.4	119.6
47.5°	2154.8	1750.2	637.1	146.2	123.2	112.9	102.7	99.6	102.7	106.9	108.1
50°	2238.8	1781.6	498.2	134.1	113.5	102.1	93.6	90.6	92.4	94.8	96.0
52.5°	2392.1	1898.1	402.2	122.6	102.1	91.2	85.8	82.1	82.1	84.5	85.2
55°	2618.6	2101.7	347.3	109.3	88.8	82.7	77.9	74.3	74.3	75.5	76.1
57.5°	2879.5	2348.1	359.9	91.8	77.9	74.9	70.7	67.6	68.8	68.8	68.8
60°	2843.3	2329.9	385.3	77.3	68.8	67.6	64.0	62.8	65.8	63.4	62.2
62.5°	2094.4	1609.5	201.7	63.4	59.2	58.0	55.6	58.0	62.2	55.6	53.1
65°	1017.0	779.1	80.9	51.9	50.1	48.9	47.7	51.3	53.7	43.5	41.1
67.5°	239.2	194.5	52.5	44.1	41.7	39.3	40.5	41.1	39.3	29.6	28.4
70°	62.2	61.0	41.1	36.8	33.2	30.8	30.8	30.2	26.0	18.7	17.5
72.5°	33.8	33.2	29.6	27.8	22.9	20.5	21.1	18.7	14.5	10.9	10.3
75°	16.9	18.1	16.9	15.7	12.7	11.5	11.5	10.3	7.2	4.2	4.2
77.5°	3.6	4.2	4.2	3.6	3.0	2.4	2.4	3.0	1.2	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)