

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: P630824

Luminaire Tested: GWS-SA1E-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630824  
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-SA1E-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**

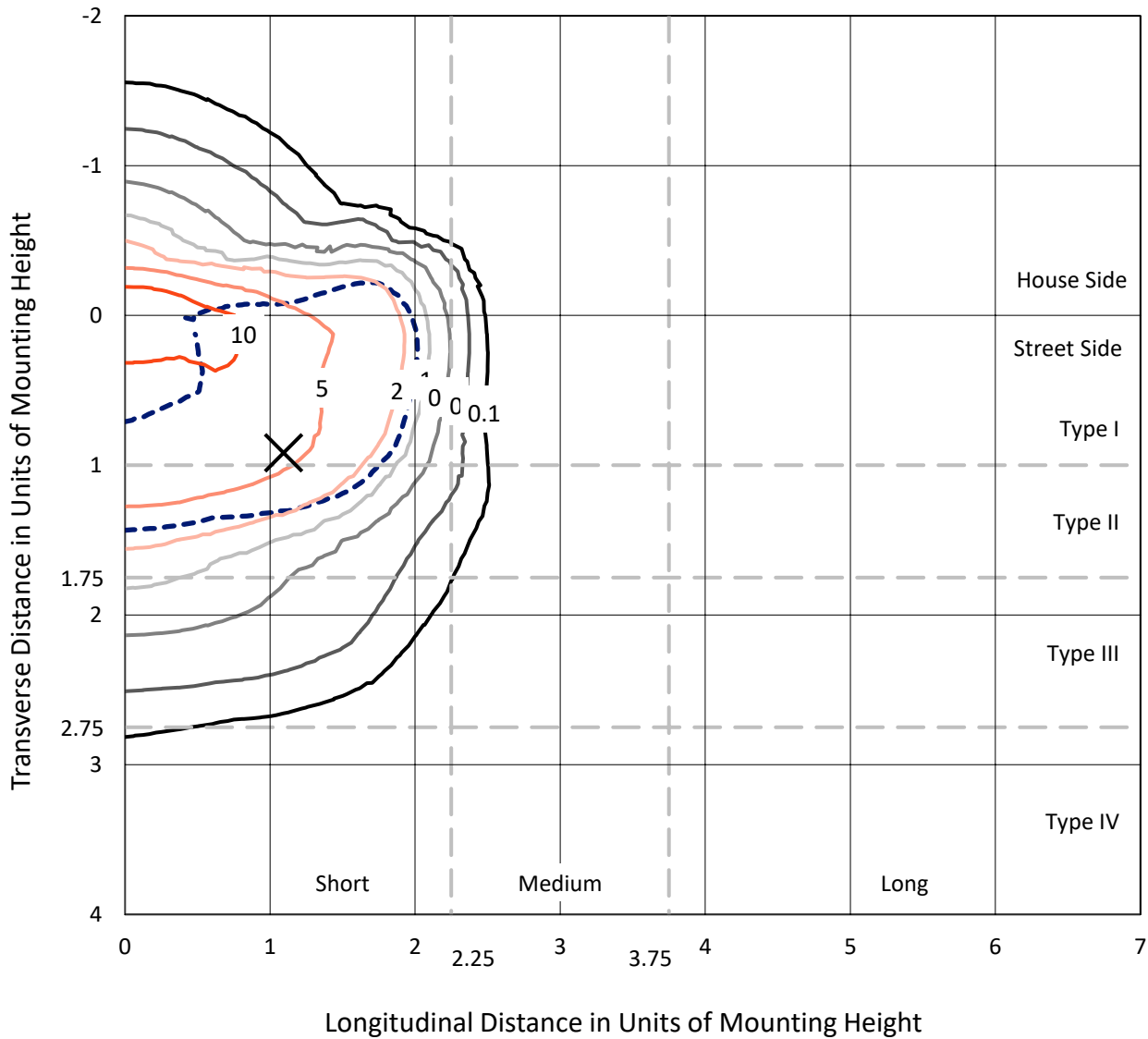
Lumens per Lamp: N/A  
Luminaire Lumens: 4449.5 lumens  
Efficiency: N/A  
Efficacy: 76.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

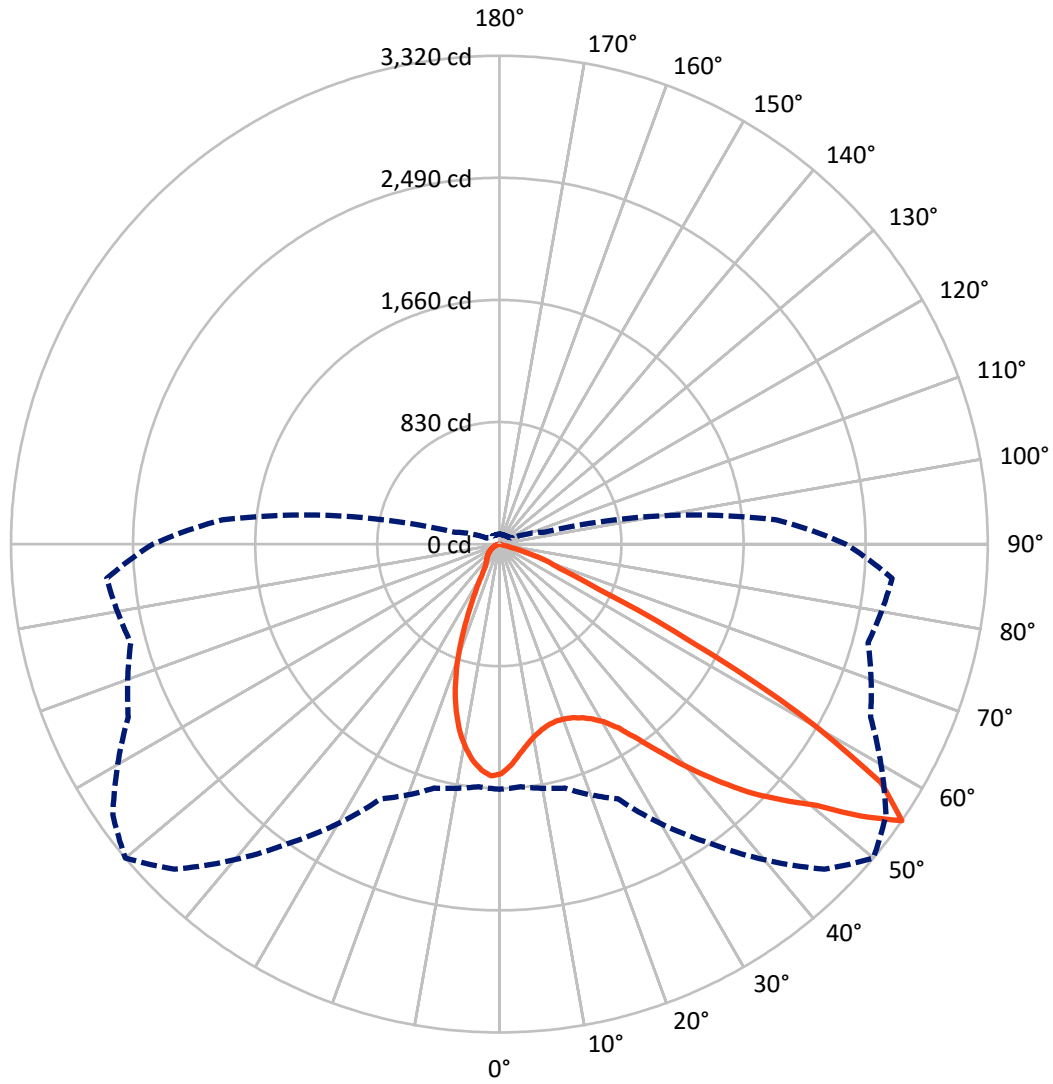
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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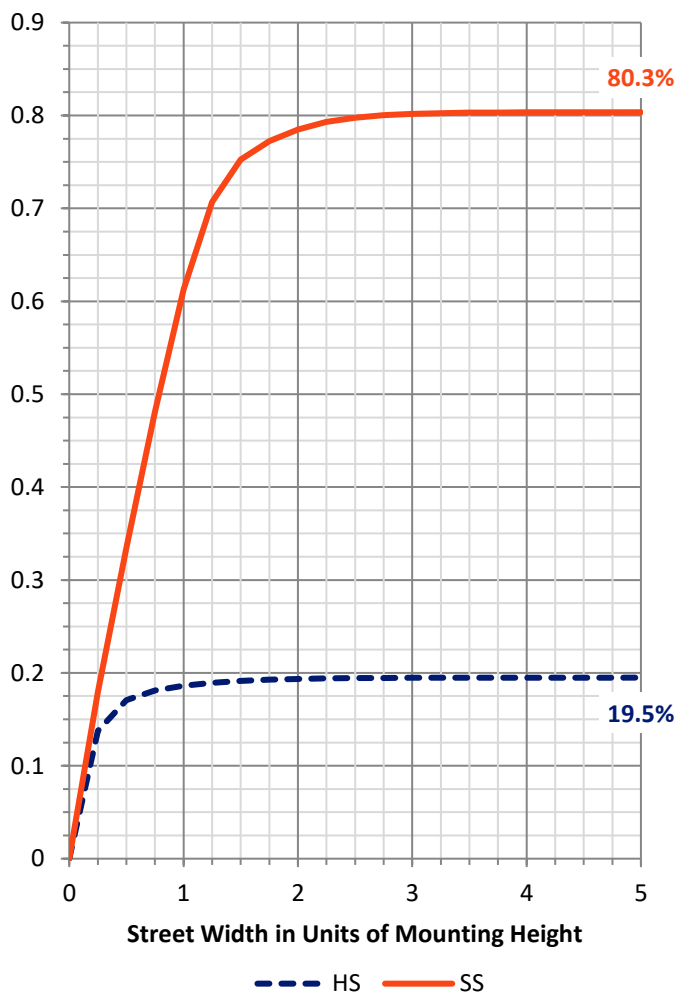
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	876.8	0.0	876.8
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	3572.7	0.0	3572.7
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	4449.5	0.0	4449.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.1	3.1
10°-20°	337.4	7.6
20°-30°	475.9	10.7
30°-40°	704.2	15.8
40°-50°	1016.0	22.8
50°-60°	1198.4	26.9
60°-70°	534.6	12.0
70°-80°	46.0	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°	4449.5	100.0
0°-180°	4449.5	100.0

**Coefficient of Utilization**



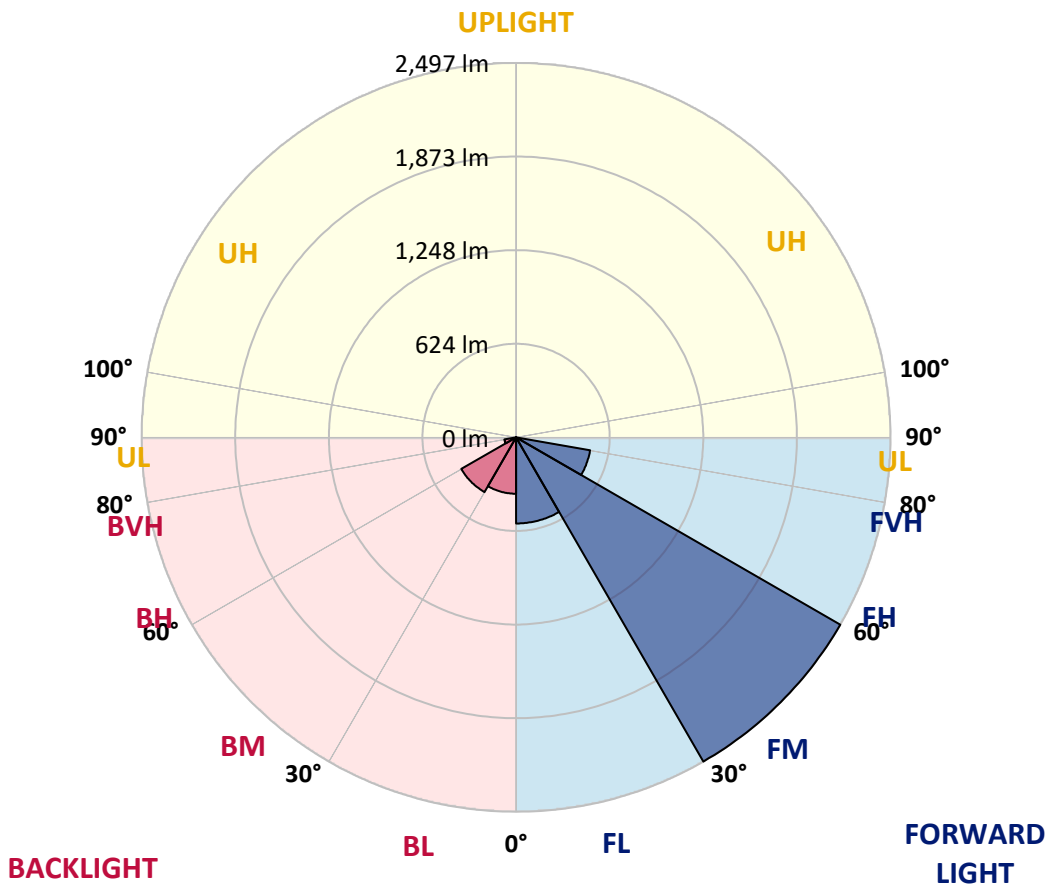
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	574.4	12.9			
FM (30°-60°)	2496.9	56.1			
FH (60°-80°)	501.4	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	375.9	8.4	B1/500		
BM (30°-60°)	421.7	9.5	B1/1000		
BH (60°-80°)	79.2	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1
2.5°	1450.3	1451.4	1452.0	1466.6	1472.0	1493.8	1505.2	1511.2	1526.9	1545.4	1560.6
5°	1353.1	1351.5	1354.2	1372.6	1384.6	1416.6	1434.0	1446.0	1480.7	1524.2	1560.6
7.5°	1268.4	1271.6	1274.9	1295.0	1312.9	1347.7	1372.6	1390.6	1438.9	1503.6	1564.9
10°	1208.6	1208.6	1213.5	1236.3	1257.5	1300.4	1325.4	1348.2	1405.8	1485.1	1569.8
12.5°	1164.6	1165.1	1171.1	1197.2	1221.6	1266.2	1292.3	1314.5	1378.1	1466.6	1570.9
15°	1144.0	1142.3	1147.2	1174.9	1202.1	1243.9	1271.1	1292.8	1358.5	1456.3	1576.3
17.5°	1138.5	1137.4	1141.2	1168.4	1196.1	1236.8	1263.5	1285.2	1355.8	1459.6	1592.6
20°	1154.3	1152.1	1150.5	1173.8	1199.9	1240.1	1267.8	1292.3	1368.8	1477.5	1617.6
22.5°	1191.8	1191.8	1188.0	1199.4	1216.7	1253.1	1281.9	1314.0	1403.1	1513.3	1654.6
25°	1260.7	1255.3	1248.3	1253.1	1251.0	1273.8	1308.0	1352.5	1467.7	1572.5	1699.6
27.5°	1339.5	1344.4	1332.4	1333.0	1314.0	1305.8	1345.5	1412.8	1563.8	1656.2	1766.5
30°	1446.5	1442.7	1443.3	1441.6	1397.6	1359.1	1402.0	1491.6	1685.0	1783.8	1853.4
32.5°	1530.2	1535.6	1553.5	1563.8	1506.3	1444.3	1490.0	1598.6	1823.0	1929.4	1959.8
35°	1618.7	1628.5	1664.9	1698.6	1650.2	1579.1	1627.9	1740.4	1952.8	2073.4	2082.1
37.5°	1712.1	1731.7	1775.1	1834.4	1826.8	1763.7	1808.3	1907.1	2054.9	2160.3	2183.1
40°	1819.1	1838.2	1909.3	1994.6	2012.5	1998.4	2013.1	2070.6	2122.2	2164.1	2226.5
42.5°	1936.5	1962.6	2052.7	2166.8	2234.1	2246.6	2212.4	2206.4	2151.6	2120.6	2217.3
45°	2075.0	2105.4	2207.5	2355.3	2462.3	2479.1	2419.9	2343.3	2170.0	2088.6	2189.6
47.5°	2230.3	2259.1	2360.7	2538.3	2697.5	2704.0	2600.8	2477.5	2224.9	2125.5	2210.8
50°	2282.5	2300.4	2388.4	2597.0	2890.3	2940.3	2790.9	2628.5	2335.2	2234.1	2314.0
52.5°	2103.2	2110.3	2186.9	2397.6	2851.2	3172.2	3068.5	2853.9	2531.3	2399.8	2473.2
55°	1666.5	1655.1	1717.0	1910.4	2478.0	3125.0	3320.0	3208.1	2783.9	2594.3	2680.1
57.5°	1165.7	1152.1	1138.0	1268.9	1849.0	2649.1	3059.3	3257.5	3024.5	2787.1	2903.4
60°	958.2	945.2	876.7	816.4	1117.9	1902.3	2349.8	2723.0	3004.9	2777.3	2896.3
62.5°	827.8	820.2	792.5	710.5	657.8	1085.8	1471.5	1828.9	2305.8	2180.9	2187.4
65°	650.2	648.0	667.0	675.7	581.8	600.8	750.7	950.6	1246.6	1175.5	1114.6
67.5°	444.3	439.4	475.3	584.5	559.5	474.2	439.4	443.2	539.4	329.7	261.8
70°	282.5	271.1	271.6	362.3	455.2	374.3	339.0	298.2	268.3	48.9	55.4
72.5°	180.9	173.8	149.4	163.5	210.8	182.5	184.1	158.6	105.9	26.1	30.4
75°	76.0	70.1	53.8	42.9	42.4	26.6	23.4	21.7	14.7	14.7	15.8
77.5°	0.5	0.0	0.0	0.5	1.1	0.5	0.5	1.1	2.2	3.3	3.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1	1561.1
2.5°	1569.8	1556.8	1571.5	1576.9	1576.3	1576.9	1561.1	1550.3	1549.7	1536.1	1529.6
5°	1575.8	1565.5	1576.3	1569.3	1552.4	1531.3	1503.0	1478.6	1467.7	1452.0	1444.3
7.5°	1587.2	1576.3	1574.7	1546.5	1504.6	1460.1	1410.1	1365.6	1341.7	1312.9	1314.5
10°	1595.4	1582.9	1561.7	1504.1	1434.6	1363.4	1289.0	1222.7	1180.9	1142.3	1135.8
12.5°	1598.6	1580.1	1530.7	1443.8	1346.0	1253.1	1144.0	1049.4	984.3	933.7	926.7
15°	1604.6	1574.7	1491.1	1371.0	1236.8	1105.4	966.3	837.1	750.7	692.6	697.5
17.5°	1613.8	1568.7	1446.5	1289.5	1119.5	933.7	745.8	597.5	518.2	484.5	485.1
20°	1626.9	1561.7	1397.6	1199.9	978.8	739.8	521.5	409.6	387.3	386.2	384.6
22.5°	1644.2	1554.6	1345.5	1101.6	812.1	518.2	347.1	312.3	321.6	339.5	342.8
25°	1664.9	1545.9	1287.4	990.8	630.1	340.0	260.2	254.8	277.0	300.9	306.4
27.5°	1696.9	1541.6	1221.1	864.8	442.2	243.9	212.9	216.2	236.3	256.4	261.3
30°	1751.2	1549.7	1148.8	723.5	284.1	194.5	184.7	189.6	200.4	210.8	215.1
32.5°	1825.1	1573.6	1078.8	569.3	202.6	168.9	166.8	169.5	173.8	179.8	181.4
35°	1911.5	1614.9	1006.5	407.4	167.3	154.3	152.1	152.1	154.3	155.4	155.9
37.5°	1982.6	1658.4	938.6	271.1	149.9	142.9	139.6	138.0	137.4	138.5	139.1
40°	2013.6	1676.3	864.8	197.2	137.4	132.5	127.6	122.8	122.8	126.6	127.1
42.5°	1991.9	1656.2	779.5	163.0	128.7	121.7	114.1	109.7	111.9	115.7	116.8
45°	1945.7	1606.8	685.5	143.9	120.0	110.8	102.1	99.4	101.6	106.5	107.6
47.5°	1938.1	1574.2	573.1	131.5	110.8	101.6	92.3	89.6	92.3	96.1	97.2
50°	2013.6	1602.4	448.1	120.6	102.1	91.8	84.2	81.5	83.1	85.3	86.4
52.5°	2151.6	1707.3	361.8	110.3	91.8	82.0	77.1	73.9	73.9	76.0	76.6
55°	2355.3	1890.3	312.3	98.3	79.8	74.4	70.1	66.8	66.8	67.9	68.4
57.5°	2589.9	2111.9	323.7	82.6	70.1	67.4	63.6	60.8	61.9	61.9	61.9
60°	2557.3	2095.6	346.6	69.5	61.9	60.8	57.6	56.5	59.2	57.0	55.9
62.5°	1883.8	1447.6	181.4	57.0	53.2	52.1	50.0	52.1	55.9	50.0	47.8
65°	914.7	700.7	72.8	46.7	45.1	44.0	42.9	46.2	48.3	39.1	36.9
67.5°	215.1	174.9	47.3	39.7	37.5	35.3	36.4	36.9	35.3	26.6	25.5
70°	55.9	54.9	36.9	33.1	29.9	27.7	27.7	27.2	23.4	16.8	15.8
72.5°	30.4	29.9	26.6	25.0	20.6	18.5	19.0	16.8	13.0	9.8	9.2
75°	15.2	16.3	15.2	14.1	11.4	10.3	10.3	9.2	6.5	3.8	3.8
77.5°	3.3	3.8	3.8	3.3	2.7	2.2	2.2	2.7	1.1	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	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)