

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: P634513

Luminaire Tested: GWS-SA3B-830-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634513  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-830-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

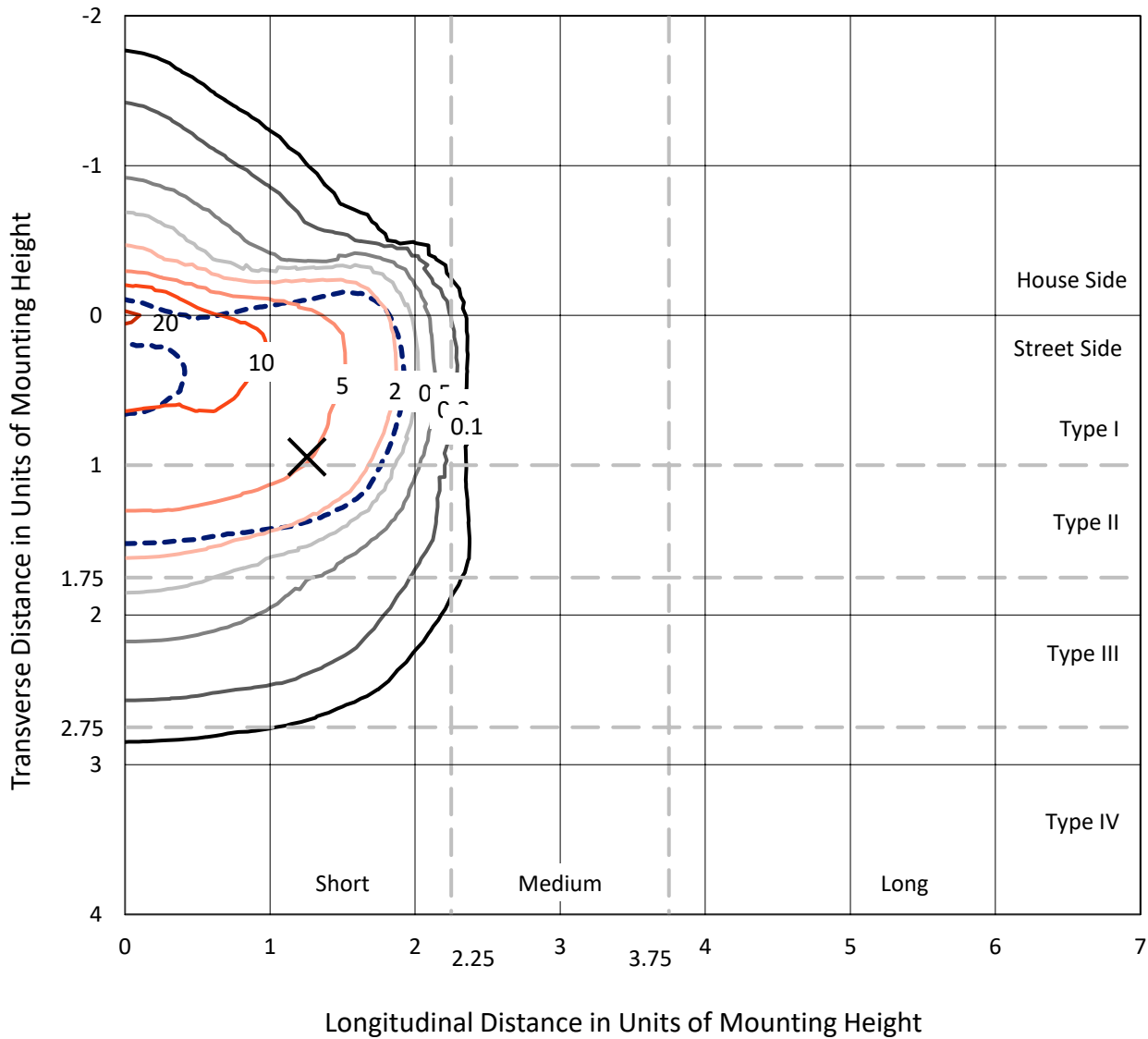
Lumens per Lamp: N/A  
Luminaire Lumens: 4832.9 lumens  
Efficiency: N/A  
Efficacy: 70.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

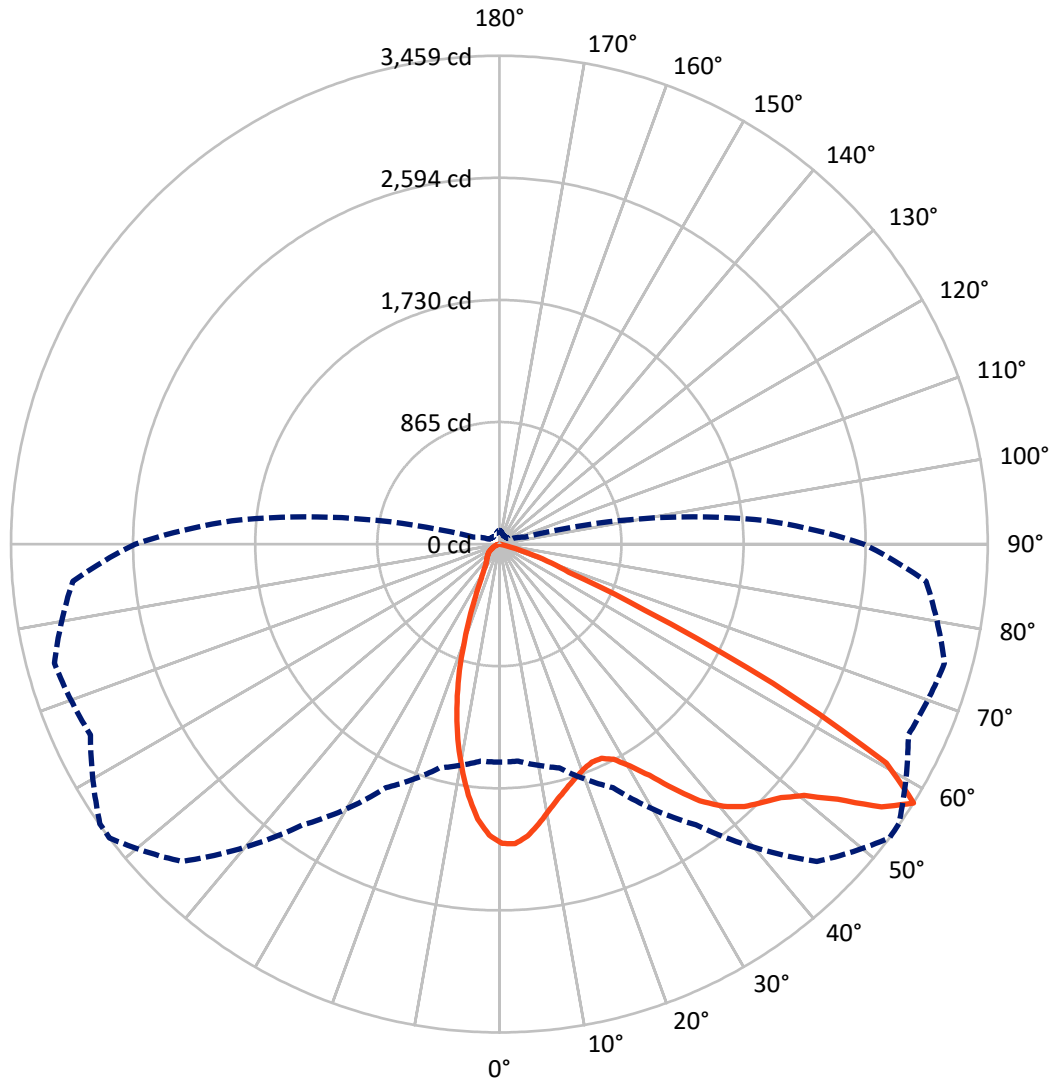
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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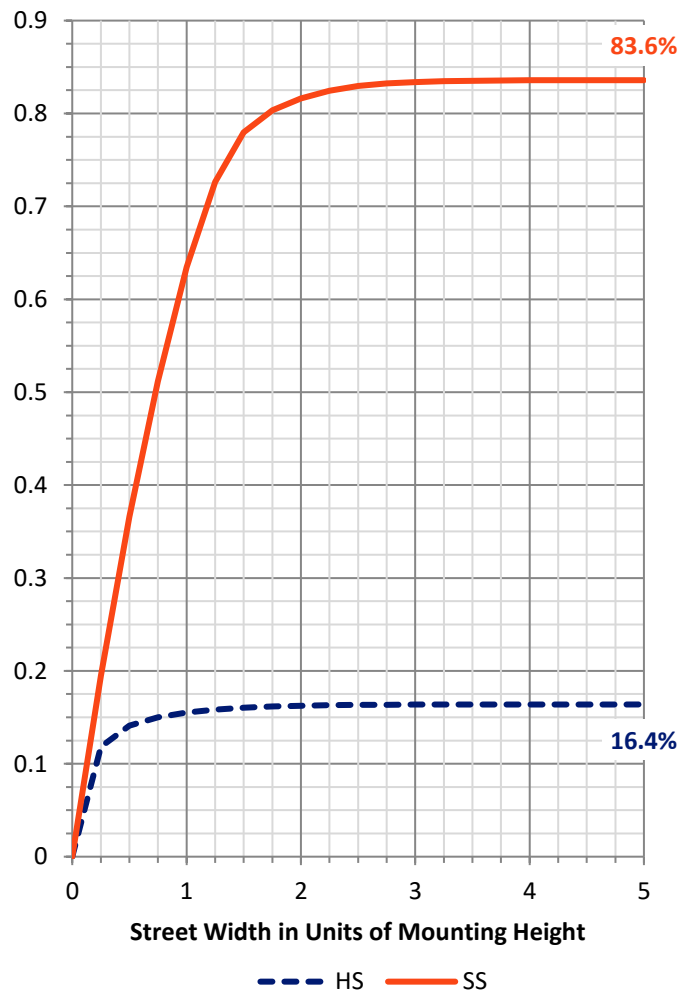
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	798.3	0.0	798.3
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	4034.6	0.0	4034.6
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	4832.9	0.0	4832.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.4	3.8
10°-20°	398.2	8.2
20°-30°	518.8	10.7
30°-40°	752.5	15.6
40°-50°	1085.7	22.5
50°-60°	1313.1	27.2
60°-70°	535.2	11.1
70°-80°	48.1	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°	4832.9	100.0
0°-180°	4832.9	100.0

**Coefficient of Utilization**



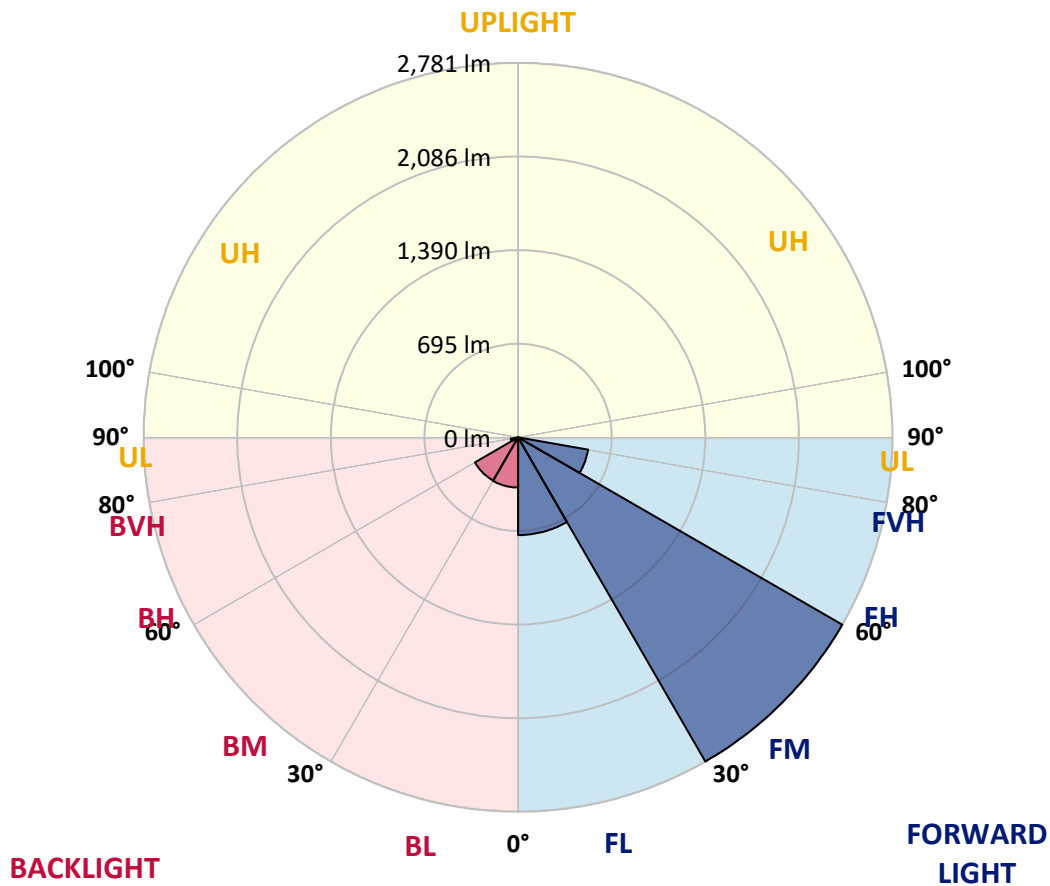
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.7	15.0			
FM (30°-60°)	2780.8	57.5			
FH (60°-80°)	528.1	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	372.6	7.7	B1/500		
BM (30°-60°)	370.5	7.7	B1/1000		
BH (60°-80°)	55.2	1.1	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°	53°	55°	65°	75°	85°
0°	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
2.5°	2090.4	2095.1	2103.4	2114.1	2121.2	2124.7	2124.7	2134.8	2128.3	2122.9	2117.0
5°	2000.9	2005.7	2016.9	2034.1	2051.3	2063.7	2077.9	2088.6	2092.7	2092.7	2082.7
7.5°	1874.8	1881.3	1888.4	1912.1	1949.4	1977.2	2001.5	2016.9	2039.4	2046.5	2032.3
10°	1739.1	1745.6	1761.6	1794.2	1836.8	1878.3	1919.8	1939.3	1977.8	1998.0	1982.0
12.5°	1624.2	1627.2	1648.5	1687.6	1742.1	1798.9	1849.3	1869.4	1923.9	1954.1	1935.2
15°	1529.4	1531.2	1552.5	1595.8	1658.6	1728.4	1791.8	1812.6	1879.5	1925.1	1896.7
17.5°	1457.7	1458.3	1476.7	1523.5	1589.2	1666.8	1742.1	1767.5	1854.0	1909.1	1866.5
20°	1421.6	1419.8	1432.9	1473.7	1535.9	1613.5	1702.4	1733.8	1839.8	1906.7	1843.4
22.5°	1422.2	1418.1	1423.4	1452.4	1505.1	1578.0	1677.5	1713.0	1841.0	1916.8	1823.8
25°	1456.0	1450.0	1451.2	1466.6	1504.0	1570.3	1681.1	1719.0	1864.7	1950.6	1816.7
27.5°	1512.8	1506.3	1506.3	1514.0	1534.2	1594.6	1725.5	1768.7	1928.1	2016.3	1831.5
30°	1586.3	1579.8	1577.4	1585.1	1601.7	1657.4	1824.4	1869.4	2036.5	2124.1	1878.9
32.5°	1670.4	1662.7	1666.8	1677.5	1693.5	1770.5	1951.8	2011.6	2172.1	2269.3	1964.2
35°	1759.3	1752.7	1771.7	1794.8	1819.7	1927.5	2127.7	2179.8	2338.6	2449.9	2094.5
37.5°	1844.0	1841.0	1880.7	1929.3	1980.8	2115.8	2306.6	2346.9	2481.3	2646.6	2253.9
40°	1928.7	1928.1	1996.2	2081.5	2163.8	2303.6	2442.2	2475.4	2568.4	2799.4	2406.7
42.5°	2023.4	2023.4	2117.6	2231.3	2340.9	2462.4	2541.7	2556.5	2607.5	2887.7	2521.6
45°	2114.1	2119.4	2228.4	2360.5	2490.2	2586.2	2610.4	2611.6	2623.5	2939.8	2617.0
47.5°	2185.7	2190.5	2320.8	2473.0	2612.8	2680.3	2683.9	2678.6	2665.5	2989.5	2690.4
50°	2243.8	2250.9	2387.1	2548.2	2696.9	2771.0	2798.2	2792.9	2759.7	3042.9	2741.9
52.5°	2272.2	2282.3	2410.2	2585.6	2790.5	2926.2	3002.0	3014.4	2900.7	3072.5	2791.1
55°	2044.8	2059.6	2177.4	2417.3	2842.6	3166.1	3285.1	3282.7	3053.5	3160.7	2910.8
57.5°	1544.2	1543.0	1640.8	1903.2	2428.0	3179.7	3459.3	3454.5	3196.3	3263.2	3033.4
60°	1051.4	1044.3	1070.4	1197.1	1697.6	2590.3	3148.3	3212.3	3095.0	3014.4	2575.5
62.5°	865.4	858.9	850.6	815.7	975.0	1613.5	2175.1	2272.2	2256.8	2095.1	1615.3
65°	708.4	713.8	736.9	722.1	678.2	827.5	1129.0	1186.5	1084.6	912.8	564.5
67.5°	522.4	524.8	555.0	633.2	609.5	550.9	531.3	540.8	316.9	145.7	94.2
70°	308.6	310.4	338.2	443.1	494.6	422.9	359.0	353.6	125.6	39.1	42.6
72.5°	174.7	171.2	176.5	210.9	269.5	224.5	184.8	168.2	37.9	21.9	21.9
75°	82.9	80.6	69.3	65.2	59.2	37.9	23.7	20.1	9.5	8.9	8.9
77.5°	0.6	1.8	1.2	1.8	1.8	1.2	0.6	0.6	1.8	1.8	2.4
80°	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
2.5°	2106.4	2088.6	2084.4	2083.3	2066.7	2048.9	2030.5	2023.4	2012.8	2006.3	2011.6
5°	2066.7	2041.2	2018.7	1998.0	1961.2	1921.0	1886.0	1863.5	1842.2	1828.0	1831.5
7.5°	2010.4	1977.2	1925.7	1873.0	1805.5	1745.0	1677.5	1636.0	1597.5	1576.2	1586.3
10°	1950.6	1906.7	1824.4	1735.0	1628.9	1534.2	1437.6	1358.8	1313.2	1270.0	1274.7
12.5°	1891.9	1833.9	1710.7	1575.0	1441.2	1301.4	1155.7	1046.7	972.0	918.1	909.8
15°	1837.4	1762.8	1599.9	1421.0	1238.6	1052.6	866.6	710.8	624.3	571.0	567.5
17.5°	1788.9	1696.5	1485.0	1259.9	1031.3	793.1	579.3	462.6	412.9	389.8	387.4
20°	1742.1	1629.5	1367.7	1096.4	805.0	556.8	399.8	345.9	329.9	320.5	321.6
22.5°	1697.1	1556.7	1244.5	915.2	603.6	390.9	309.8	289.1	287.3	288.5	289.1
25°	1659.1	1489.7	1117.7	740.4	430.6	297.9	258.9	252.9	258.3	266.0	267.1
27.5°	1639.6	1435.2	993.9	564.5	311.6	242.3	224.5	226.9	236.3	244.6	245.8
30°	1644.9	1394.4	866.0	409.3	239.9	204.4	198.4	203.2	212.7	220.4	221.5
32.5°	1682.8	1373.6	735.1	297.9	197.2	178.3	175.9	179.5	187.8	193.7	194.3
35°	1758.1	1378.4	610.7	228.1	169.4	158.7	158.2	160.5	164.7	168.8	169.4
37.5°	1868.8	1416.9	488.1	189.5	153.4	145.7	143.3	143.3	146.3	148.1	149.3
40°	1987.9	1474.9	390.9	167.6	142.2	133.9	129.1	127.4	129.7	132.1	132.7
42.5°	2086.2	1533.0	317.5	152.2	133.3	122.0	116.1	114.9	117.9	122.0	123.2
45°	2161.4	1578.0	264.8	139.8	123.2	110.8	104.3	104.3	109.6	116.7	117.9
47.5°	2230.2	1614.1	225.7	128.5	113.7	100.7	94.2	95.4	104.3	113.7	115.5
50°	2277.0	1643.2	196.7	118.5	106.0	92.4	86.5	88.9	99.5	110.8	112.5
52.5°	2327.3	1678.7	177.7	109.6	98.9	85.9	80.6	82.3	94.2	106.6	109.0
55°	2466.5	1797.8	177.1	97.7	86.5	77.0	74.6	75.2	87.1	101.3	104.3
57.5°	2580.2	1902.6	189.0	82.3	72.3	67.5	66.3	66.9	77.6	93.6	97.1
60°	2134.8	1478.5	156.4	68.1	60.4	59.2	57.5	58.6	68.7	82.9	85.9
62.5°	1263.5	845.3	74.6	52.1	51.5	50.3	48.6	50.9	60.4	72.9	74.6
65°	431.8	250.6	47.4	42.6	43.8	42.1	40.3	42.6	50.9	58.0	58.6
67.5°	82.9	66.3	37.9	35.5	36.1	32.6	32.0	34.4	39.1	40.3	39.7
70°	43.2	38.5	29.0	29.0	27.8	23.1	23.1	25.5	25.5	23.7	23.1
72.5°	22.5	21.3	19.0	21.3	17.8	14.2	14.2	15.4	14.2	11.8	11.8
75°	8.9	8.9	8.3	10.7	7.7	6.5	5.9	7.1	5.3	4.1	4.1
77.5°	2.4	2.4	2.4	3.0	1.8	1.8	1.2	1.2	0.6	0.0	0.0
80°	0.0	0.6	0.0	0.6	0.0	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)