

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: P634073

Luminaire Tested: GWS-SA3B-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634073
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4481.3 lumens
Efficiency: N/A
Efficacy: 65.6 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

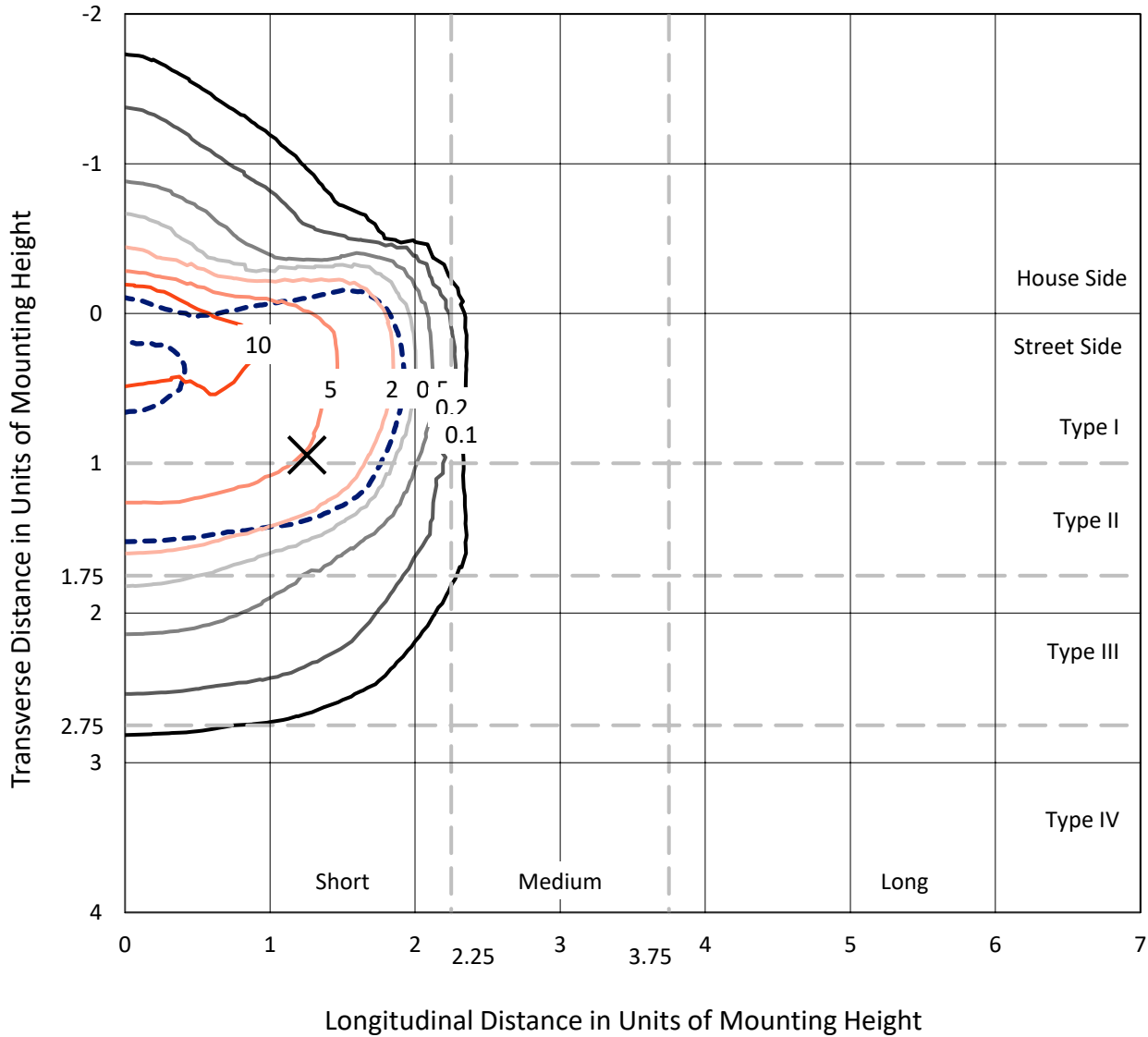
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

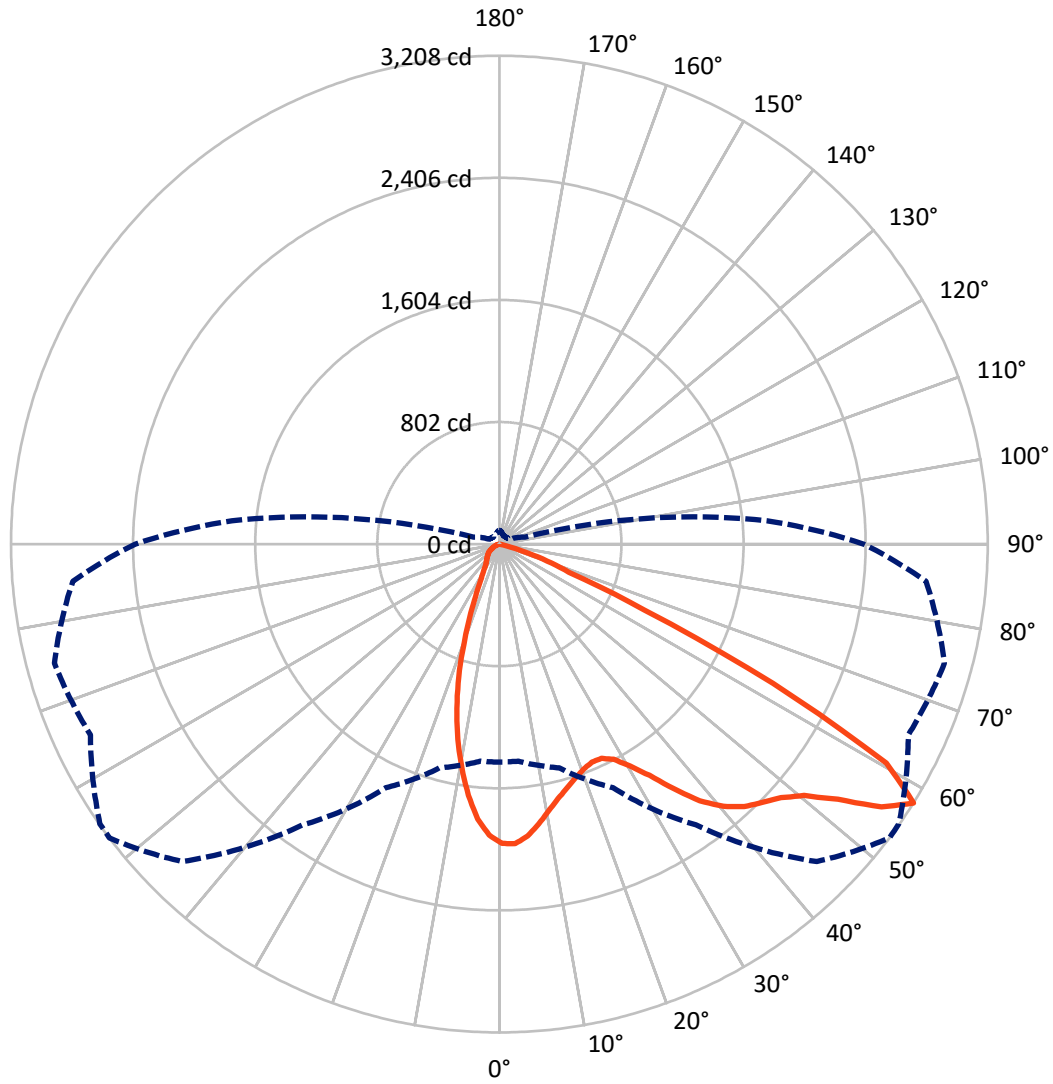
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 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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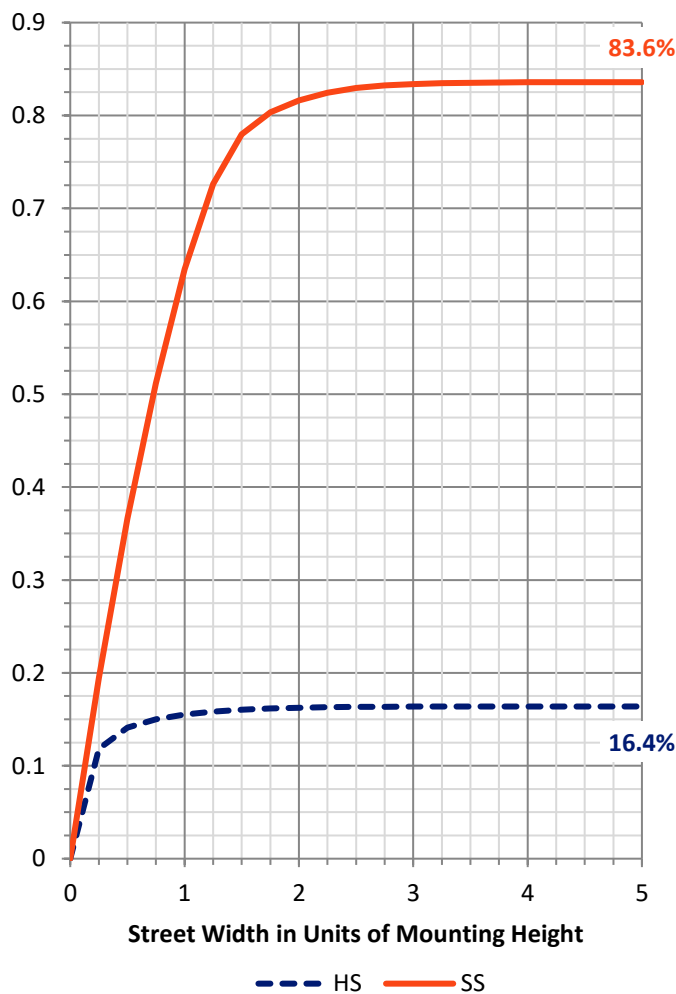
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	740.2	0.0	740.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3741.0	0.0	3741.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	4481.3	0.0	4481.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	3.8
10°-20°	369.2	8.2
20°-30°	481.0	10.7
30°-40°	697.7	15.6
40°-50°	1006.7	22.5
50°-60°	1217.6	27.2
60°-70°	496.2	11.1
70°-80°	44.6	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°	4481.3	100.0
0°-180°	4481.3	100.0

Coefficient of Utilization



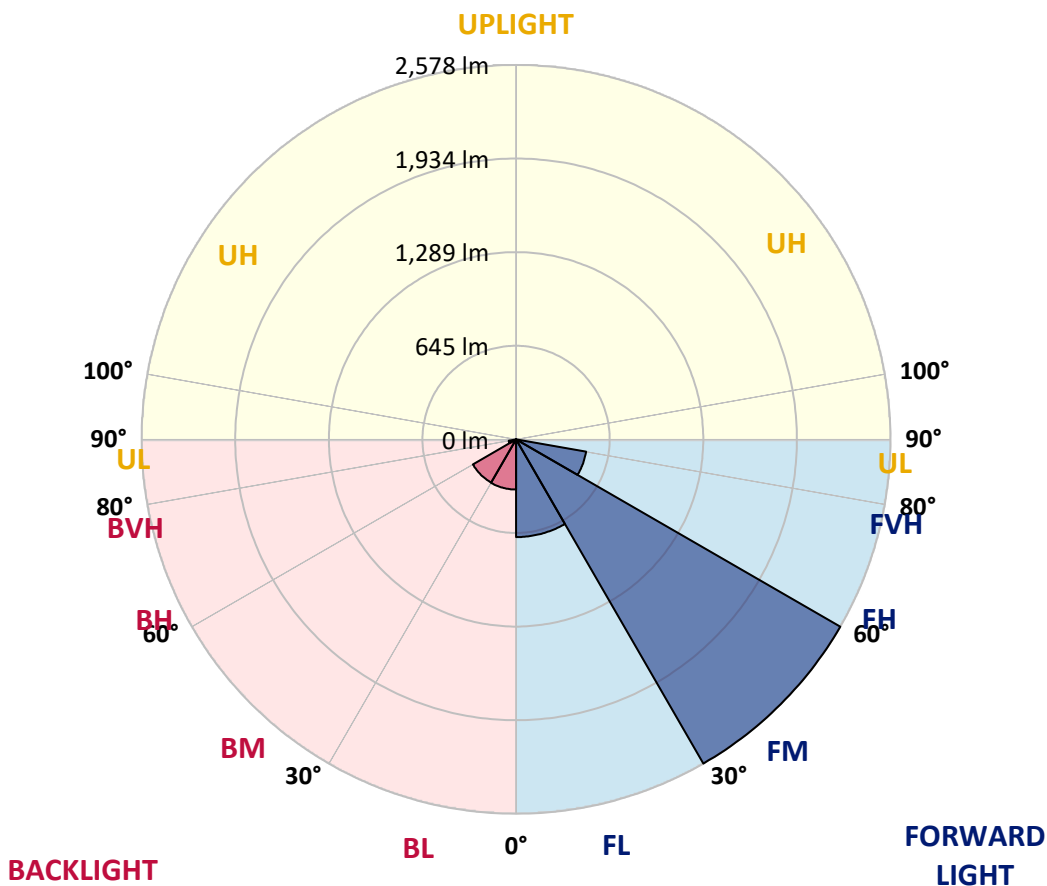
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	672.9	15.0			
FM (30°-60°)	2578.4	57.5			
FH (60°-80°)	489.6	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	345.5	7.7	B1/500		
BM (30°-60°)	343.6	7.7	B1/1000		
BH (60°-80°)	51.2	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°	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8
2.5°	1938.3	1942.7	1950.4	1960.3	1966.9	1970.1	1970.1	1979.5	1973.4	1968.5	1963.0
5°	1855.4	1859.7	1870.2	1886.1	1902.0	1913.6	1926.8	1936.6	1940.5	1940.5	1931.2
7.5°	1738.4	1744.4	1751.0	1773.0	1807.6	1833.4	1855.9	1870.2	1891.1	1897.6	1884.5
10°	1612.6	1618.6	1633.5	1663.7	1703.2	1741.7	1780.1	1798.2	1833.9	1852.6	1837.8
12.5°	1506.0	1508.8	1528.6	1564.8	1615.3	1668.1	1714.7	1733.4	1784.0	1812.0	1794.4
15°	1418.2	1419.8	1439.6	1479.7	1537.9	1602.7	1661.5	1680.7	1742.8	1785.1	1758.7
17.5°	1351.7	1352.2	1369.3	1412.7	1473.6	1545.6	1615.3	1639.0	1719.1	1770.2	1730.7
20°	1318.2	1316.5	1328.6	1366.5	1424.2	1496.1	1578.5	1607.6	1706.0	1768.0	1709.3
22.5°	1318.7	1314.9	1319.8	1346.8	1395.6	1463.2	1555.5	1588.4	1707.1	1777.4	1691.1
25°	1350.0	1344.6	1345.7	1359.9	1394.5	1456.1	1558.8	1593.9	1729.0	1808.7	1684.5
27.5°	1402.8	1396.7	1396.7	1403.9	1422.5	1478.6	1600.0	1640.1	1787.8	1869.6	1698.3
30°	1470.9	1464.8	1462.6	1469.8	1485.2	1536.8	1691.7	1733.4	1888.3	1969.6	1742.2
32.5°	1548.9	1541.7	1545.6	1555.5	1570.3	1641.7	1809.8	1865.2	2014.1	2104.2	1821.3
35°	1631.3	1625.2	1642.8	1664.2	1687.3	1787.2	1972.9	2021.2	2168.4	2271.7	1942.1
37.5°	1709.8	1707.1	1743.9	1788.9	1836.7	1961.9	2138.8	2176.1	2300.8	2454.0	2089.9
40°	1788.3	1787.8	1851.0	1930.1	2006.4	2136.0	2264.5	2295.3	2381.5	2595.7	2231.6
42.5°	1876.2	1876.2	1963.6	2069.0	2170.6	2283.2	2356.8	2370.5	2417.8	2677.6	2338.1
45°	1960.3	1965.2	2066.3	2188.7	2309.0	2398.0	2420.5	2421.6	2432.6	2725.9	2426.6
47.5°	2026.7	2031.1	2151.9	2293.1	2422.7	2485.3	2488.6	2483.7	2471.6	2772.0	2494.7
50°	2080.5	2087.1	2213.5	2362.9	2500.7	2569.4	2594.6	2589.7	2558.9	2821.5	2542.5
52.5°	2106.9	2116.2	2234.9	2397.5	2587.5	2713.3	2783.6	2795.1	2689.7	2848.9	2588.1
55°	1896.0	1909.7	2019.0	2241.5	2635.8	2935.7	3046.1	3043.9	2831.4	2930.8	2699.0
57.5°	1431.9	1430.8	1521.4	1764.7	2251.4	2948.4	3207.6	3203.2	2963.7	3025.8	2812.7
60°	974.9	968.3	992.5	1110.0	1574.1	2401.9	2919.2	2978.6	2869.8	2795.1	2388.1
62.5°	802.4	796.4	788.7	756.3	904.1	1496.1	2016.8	2106.9	2092.6	1942.7	1497.8
65°	656.9	661.8	683.3	669.5	628.9	767.3	1046.9	1100.1	1005.7	846.4	523.4
67.5°	484.4	486.6	514.6	587.1	565.2	510.8	492.7	501.5	293.8	135.1	87.3
70°	286.2	287.8	313.6	410.8	458.6	392.2	332.8	327.9	116.4	36.3	39.5
72.5°	162.0	158.7	163.7	195.5	249.9	208.2	171.4	156.0	35.2	20.3	20.3
75°	76.9	74.7	64.3	60.4	54.9	35.2	22.0	18.7	8.8	8.2	8.2
77.5°	0.5	1.6	1.1	1.6	1.6	1.1	0.5	0.5	1.6	1.6	2.2
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°	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8
2.5°	1953.1	1936.6	1932.8	1931.7	1916.3	1899.8	1882.8	1876.2	1866.3	1860.3	1865.2
5°	1916.3	1892.7	1871.8	1852.6	1818.6	1781.2	1748.8	1727.9	1708.2	1695.0	1698.3
7.5°	1864.1	1833.4	1785.6	1736.7	1674.1	1618.1	1555.5	1517.0	1481.3	1461.5	1470.9
10°	1808.7	1768.0	1691.7	1608.7	1510.4	1422.5	1333.0	1260.0	1217.7	1177.6	1182.0
12.5°	1754.3	1700.5	1586.2	1460.4	1336.3	1206.7	1071.6	970.5	901.3	851.3	843.6
15°	1703.8	1634.6	1483.5	1317.6	1148.5	976.0	803.5	659.1	578.9	529.5	526.2
17.5°	1658.7	1573.0	1377.0	1168.2	956.2	735.4	537.2	429.0	382.8	361.4	359.2
20°	1615.3	1511.0	1268.2	1016.7	746.4	516.3	370.7	320.8	305.9	297.1	298.2
22.5°	1573.6	1443.4	1154.0	848.6	559.7	362.5	287.3	268.0	266.4	267.5	268.0
25°	1538.4	1381.4	1036.4	686.6	399.3	276.3	240.0	234.5	239.5	246.6	247.7
27.5°	1520.3	1330.8	921.6	523.4	288.9	224.6	208.2	210.4	219.1	226.8	227.9
30°	1525.3	1292.9	803.0	379.5	222.4	189.5	184.0	188.4	197.2	204.3	205.4
32.5°	1560.4	1273.7	681.6	276.3	182.9	165.3	163.1	166.4	174.1	179.6	180.2
35°	1630.2	1278.1	566.3	211.5	157.1	147.2	146.6	148.8	152.7	156.5	157.1
37.5°	1732.9	1313.8	452.6	175.8	142.3	135.1	132.9	132.9	135.7	137.3	138.4
40°	1843.3	1367.6	362.5	155.4	131.8	124.1	119.7	118.1	120.3	122.5	123.0
42.5°	1934.4	1421.5	294.4	141.2	123.6	113.1	107.7	106.6	109.3	113.1	114.2
45°	2004.2	1463.2	245.5	129.6	114.2	102.7	96.7	96.7	101.6	108.2	109.3
47.5°	2067.9	1496.7	209.3	119.2	105.5	93.4	87.3	88.4	96.7	105.5	107.1
50°	2111.3	1523.6	182.3	109.8	98.3	85.7	80.2	82.4	92.3	102.7	104.4
52.5°	2158.0	1556.6	164.8	101.6	91.7	79.6	74.7	76.3	87.3	98.9	101.1
55°	2287.1	1667.0	164.2	90.6	80.2	71.4	69.2	69.8	80.7	93.9	96.7
57.5°	2392.5	1764.2	175.2	76.3	67.0	62.6	61.5	62.1	72.0	86.8	90.1
60°	1979.5	1370.9	145.0	63.2	56.0	54.9	53.3	54.4	63.7	76.9	79.6
62.5°	1171.5	783.8	69.2	48.3	47.8	46.7	45.0	47.2	56.0	67.6	69.2
65°	400.4	232.3	43.9	39.5	40.6	39.0	37.3	39.5	47.2	53.8	54.4
67.5°	76.9	61.5	35.2	33.0	33.5	30.2	29.7	31.9	36.3	37.3	36.8
70°	40.1	35.7	26.9	26.9	25.8	21.4	21.4	23.6	23.6	22.0	21.4
72.5°	20.9	19.8	17.6	19.8	16.5	13.2	13.2	14.3	13.2	11.0	11.0
75°	8.2	8.2	7.7	9.9	7.1	6.0	5.5	6.6	4.9	3.8	3.8
77.5°	2.2	2.2	2.2	2.7	1.6	1.6	1.1	1.1	0.5	0.0	0.0
80°	0.0	0.5	0.0	0.5	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)