

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: P632364

Luminaire Tested: GWS-SA2C-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632364
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-SA2C-750-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5559.1 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

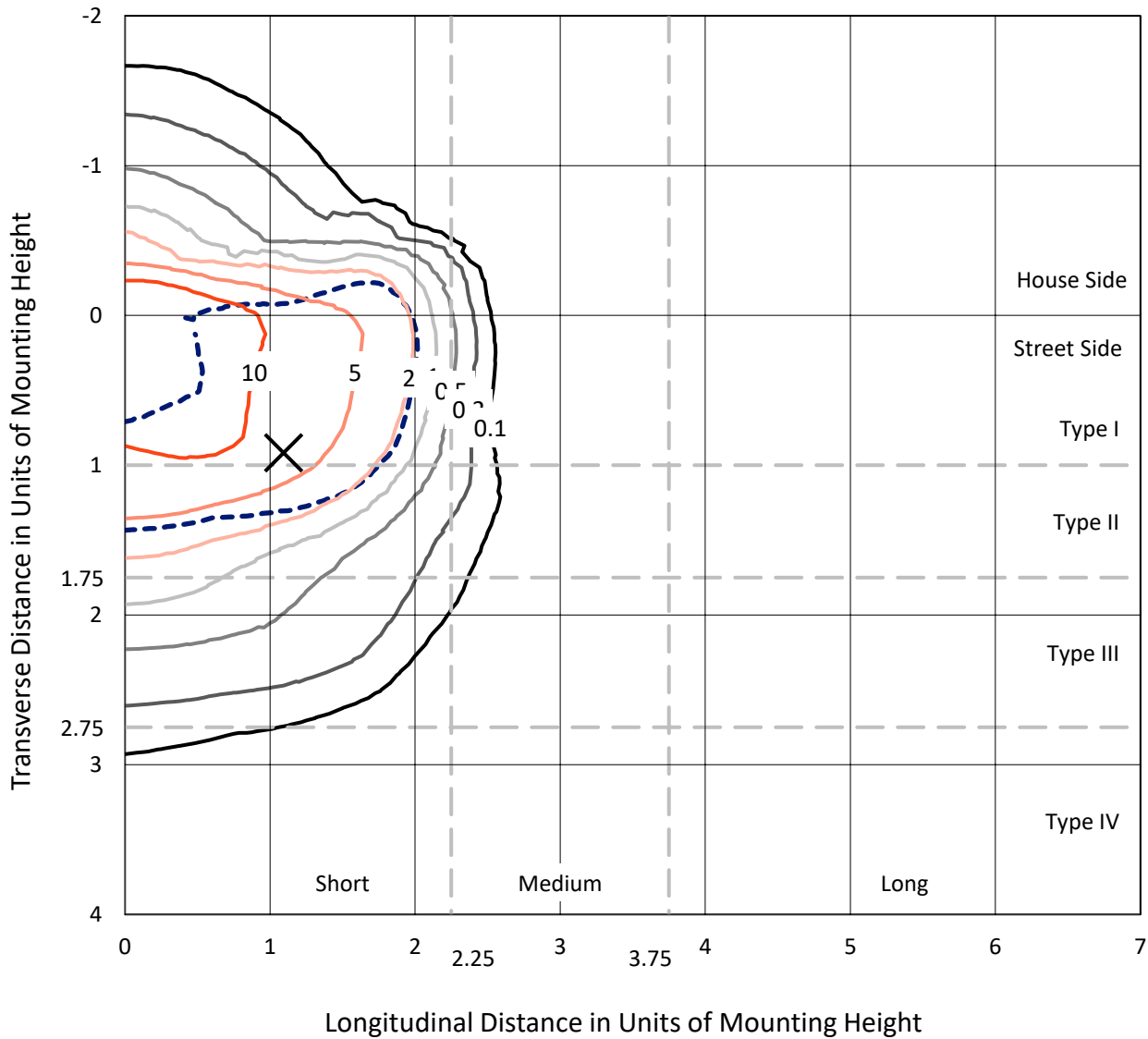
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

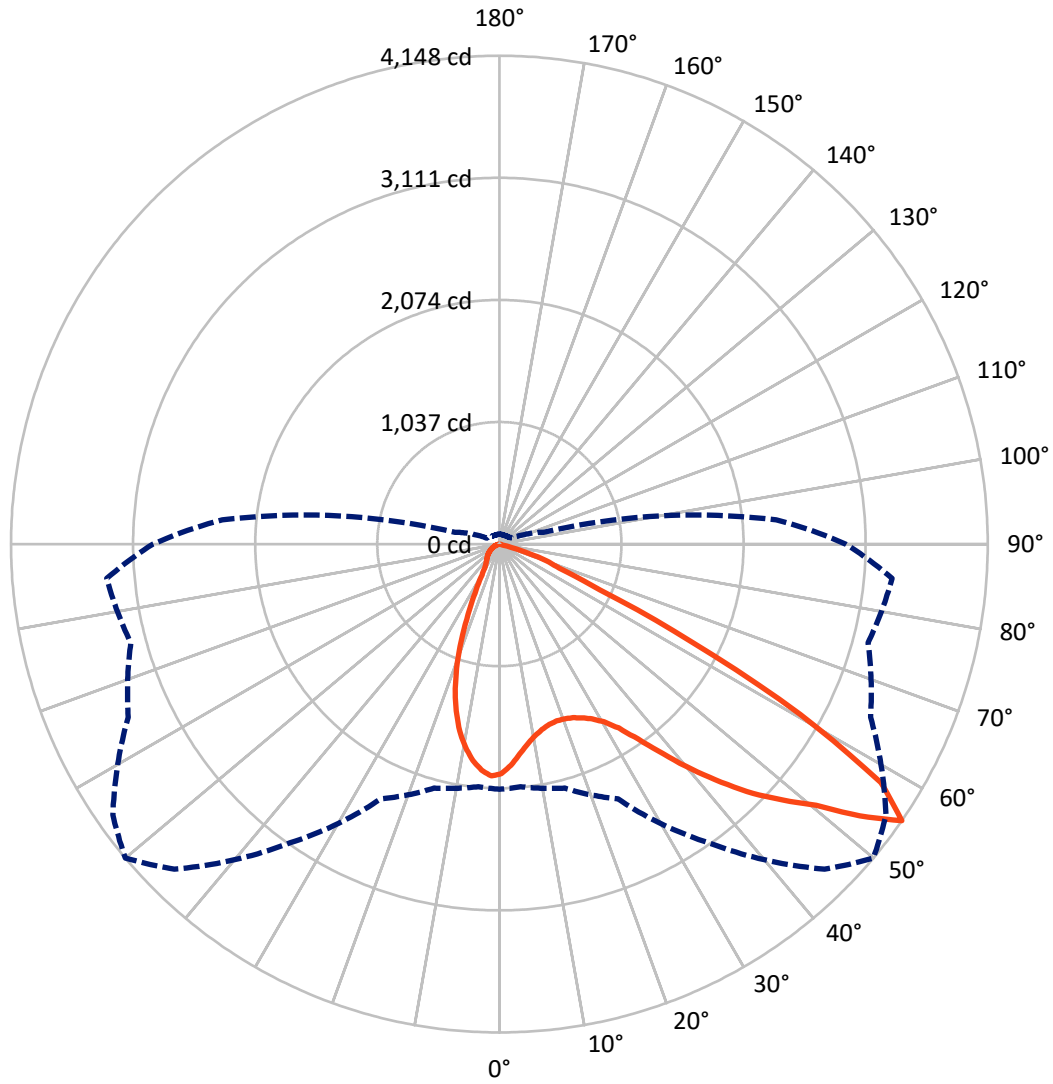
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.5 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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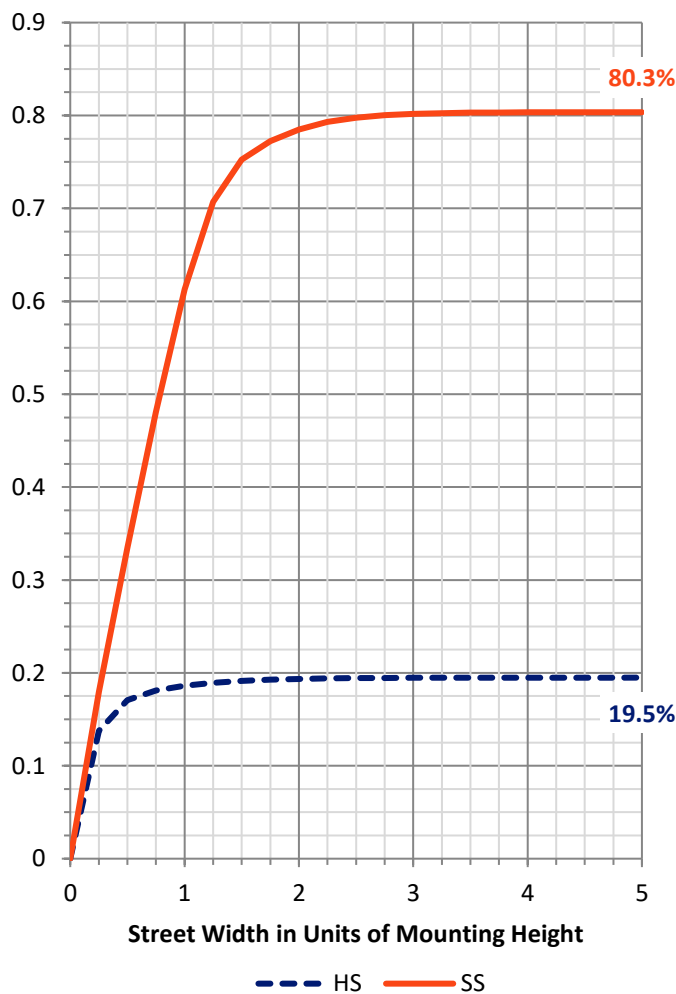
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.4	0.0	1095.4
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4463.7	0.0	4463.7
	% Fixture	80.3	0.0	80.3
Total	Lumens	5559.1	0.0	5559.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.3	3.1
10°-20°	421.5	7.6
20°-30°	594.6	10.7
30°-40°	879.8	15.8
40°-50°	1269.3	22.8
50°-60°	1497.3	26.9
60°-70°	667.9	12.0
70°-80°	57.4	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°	5559.1	100.0
0°-180°	5559.1	100.0

Coefficient of Utilization



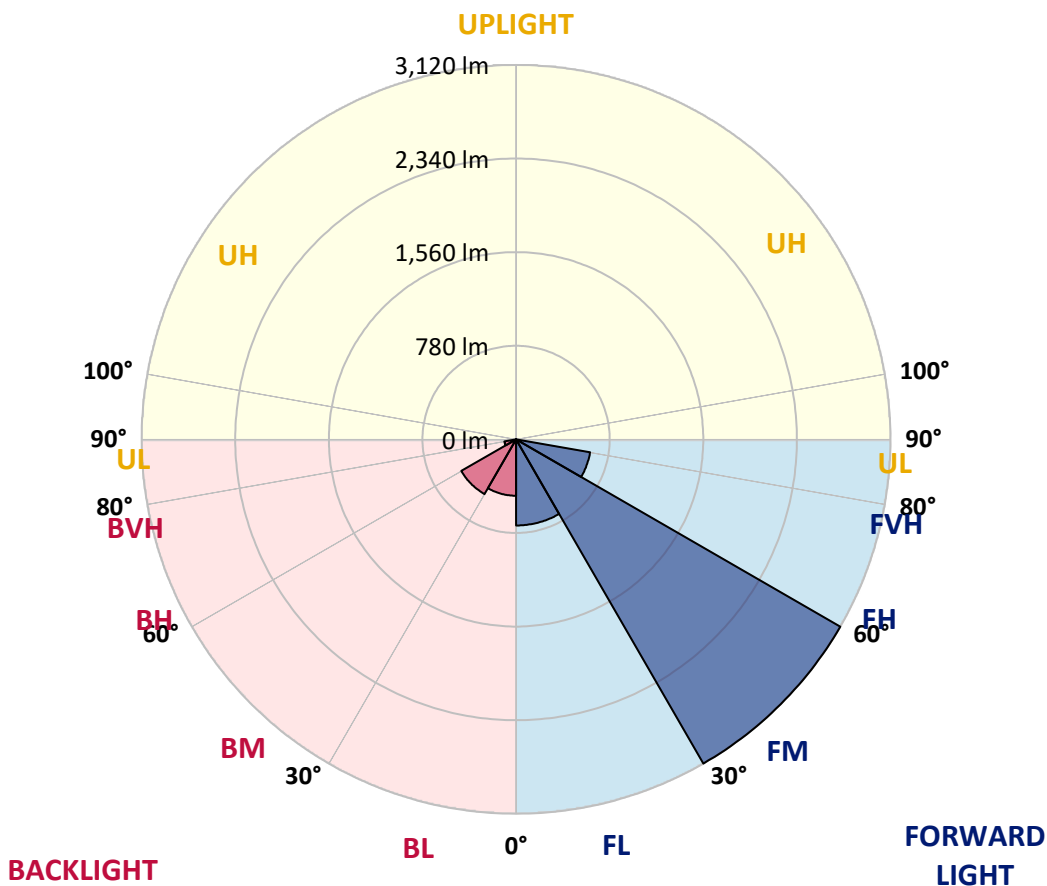
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	717.7	12.9			
FM (30°-60°)	3119.6	56.1			
FH (60°-80°)	626.4	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	469.7	8.4	B1/500		
BM (30°-60°)	526.8	9.5	B1/1000		
BH (60°-80°)	98.9	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°	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4
2.5°	1812.0	1813.4	1814.0	1832.4	1839.1	1866.3	1880.5	1888.0	1907.7	1930.8	1949.8
5°	1690.5	1688.5	1691.9	1714.9	1729.9	1769.9	1791.6	1806.6	1850.0	1904.3	1949.8
7.5°	1584.6	1588.7	1592.8	1617.9	1640.3	1683.7	1714.9	1737.3	1797.7	1878.5	1955.2
10°	1510.0	1510.0	1516.1	1544.6	1571.1	1624.7	1655.9	1684.4	1756.3	1855.4	1961.3
12.5°	1455.0	1455.7	1463.2	1495.7	1526.3	1581.9	1614.5	1642.3	1721.7	1832.4	1962.7
15°	1429.2	1427.2	1433.3	1467.9	1501.9	1554.1	1588.0	1615.2	1697.3	1819.5	1969.4
17.5°	1422.5	1421.1	1425.8	1459.8	1494.4	1545.3	1578.5	1605.7	1693.9	1823.5	1989.8
20°	1442.1	1439.4	1437.4	1466.6	1499.1	1549.4	1584.0	1614.5	1710.2	1845.9	2021.0
22.5°	1489.0	1489.0	1484.2	1498.5	1520.2	1565.6	1601.6	1641.7	1753.0	1890.7	2067.2
25°	1575.1	1568.4	1559.5	1565.6	1562.9	1591.4	1634.2	1689.8	1833.7	1964.7	2123.5
27.5°	1673.6	1679.7	1664.7	1665.4	1641.7	1631.5	1681.0	1765.2	1953.8	2069.2	2207.0
30°	1807.2	1802.5	1803.2	1801.1	1746.2	1698.0	1751.6	1863.6	2105.2	2228.7	2315.6
32.5°	1911.8	1918.5	1940.9	1953.8	1881.9	1804.5	1861.5	1997.3	2277.6	2410.6	2448.6
35°	2022.4	2034.6	2080.1	2122.1	2061.7	1972.8	2033.9	2174.4	2439.7	2590.4	2601.3
37.5°	2139.1	2163.5	2217.8	2291.8	2282.3	2203.6	2259.2	2382.7	2567.3	2699.0	2727.5
40°	2272.8	2296.6	2385.5	2492.0	2514.4	2496.8	2515.1	2587.0	2651.5	2703.7	2781.8
42.5°	2419.4	2452.0	2564.6	2707.1	2791.3	2806.9	2764.1	2756.7	2688.1	2649.5	2770.3
45°	2592.4	2630.4	2758.0	2942.6	3076.3	3097.4	3023.4	2927.7	2711.2	2609.4	2735.6
47.5°	2786.5	2822.5	2949.4	3171.3	3370.2	3378.3	3249.4	3095.3	2779.8	2655.6	2762.1
50°	2851.7	2874.1	2984.0	3244.6	3611.1	3673.5	3486.9	3284.0	2917.5	2791.3	2891.1
52.5°	2627.7	2636.6	2732.2	2995.6	3562.2	3963.3	3833.7	3565.6	3162.5	2998.3	3089.9
55°	2082.1	2067.8	2145.2	2386.8	3096.0	3904.3	4147.9	4008.1	3478.1	3241.2	3348.5
57.5°	1456.4	1439.4	1421.8	1585.3	2310.1	3309.8	3822.2	4069.9	3778.7	3482.2	3627.4
60°	1197.1	1180.9	1095.3	1020.0	1396.7	2376.6	2935.8	3402.1	3754.3	3469.9	3618.6
62.5°	1034.3	1024.8	990.2	887.7	821.8	1356.6	1838.5	2285.0	2880.9	2724.8	2732.9
65°	812.3	809.6	833.4	844.2	726.8	750.6	937.9	1187.6	1557.5	1468.6	1392.6
67.5°	555.1	549.0	593.8	730.2	699.0	592.5	549.0	553.8	673.9	411.9	327.1
70°	352.9	338.6	339.3	452.7	568.7	467.6	423.5	372.6	335.3	61.1	69.2
72.5°	226.0	217.2	186.6	204.3	263.3	228.0	230.1	198.2	132.3	32.6	38.0
75°	95.0	87.5	67.2	53.6	52.9	33.3	29.2	27.1	18.3	18.3	19.7
77.5°	0.7	0.0	0.0	0.7	1.4	0.7	0.7	1.4	2.7	4.1	4.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4	1950.4
2.5°	1961.3	1945.0	1963.3	1970.1	1969.4	1970.1	1950.4	1936.9	1936.2	1919.2	1911.1
5°	1968.8	1955.9	1969.4	1960.6	1939.6	1913.1	1877.8	1847.3	1833.7	1814.0	1804.5
7.5°	1983.0	1969.4	1967.4	1932.1	1879.9	1824.2	1761.8	1706.1	1676.3	1640.3	1642.3
10°	1993.2	1977.6	1951.1	1879.2	1792.3	1703.4	1610.4	1527.6	1475.4	1427.2	1419.1
12.5°	1997.3	1974.2	1912.4	1803.9	1681.7	1565.6	1429.2	1311.2	1229.7	1166.6	1157.8
15°	2004.7	1967.4	1862.9	1712.9	1545.3	1381.1	1207.3	1045.8	937.9	865.3	871.4
17.5°	2016.3	1959.9	1807.2	1611.1	1398.7	1166.6	931.8	746.5	647.4	605.4	606.0
20°	2032.6	1951.1	1746.2	1499.1	1222.9	924.3	651.5	511.7	483.9	482.5	480.5
22.5°	2054.3	1942.3	1681.0	1376.3	1014.6	647.4	433.7	390.2	401.8	424.2	428.2
25°	2080.1	1931.4	1608.4	1237.9	787.2	424.8	325.1	318.3	346.1	376.0	382.8
27.5°	2120.1	1926.0	1525.6	1080.4	552.4	304.7	266.0	270.1	295.2	320.3	326.4
30°	2188.0	1936.2	1435.3	904.0	354.9	243.0	230.7	236.8	250.4	263.3	268.7
32.5°	2280.3	1966.1	1347.8	711.2	253.1	211.1	208.3	211.7	217.2	224.6	226.7
35°	2388.2	2017.6	1257.5	509.0	209.0	192.7	190.0	190.0	192.7	194.1	194.8
37.5°	2477.1	2071.9	1172.7	338.6	187.3	178.5	174.4	172.4	171.7	173.1	173.7
40°	2515.8	2094.3	1080.4	246.4	171.7	165.6	159.5	153.4	153.4	158.1	158.8
42.5°	2488.6	2069.2	973.9	203.6	160.8	152.0	142.5	137.1	139.8	144.6	145.9
45°	2430.9	2007.4	856.5	179.8	150.0	138.4	127.6	124.2	126.9	133.0	134.4
47.5°	2421.4	1966.7	716.0	164.2	138.4	126.9	115.4	112.0	115.4	120.1	121.5
50°	2515.8	2002.0	559.9	150.7	127.6	114.7	105.2	101.8	103.8	106.5	107.9
52.5°	2688.1	2133.0	452.0	137.8	114.7	102.5	96.4	92.3	92.3	95.0	95.7
55°	2942.6	2361.7	390.2	122.8	99.8	93.0	87.5	83.5	83.5	84.8	85.5
57.5°	3235.8	2638.6	404.5	103.2	87.5	84.2	79.4	76.0	77.4	77.4	77.4
60°	3195.1	2618.2	433.0	86.9	77.4	76.0	71.9	70.6	74.0	71.3	69.9
62.5°	2353.6	1808.6	226.7	71.3	66.5	65.2	62.4	65.2	69.9	62.4	59.7
65°	1142.8	875.5	90.9	58.4	56.3	55.0	53.6	57.7	60.4	48.9	46.1
67.5°	268.7	218.5	59.0	49.5	46.8	44.1	45.5	46.1	44.1	33.3	31.9
70°	69.9	68.5	46.1	41.4	37.3	34.6	34.6	33.9	29.2	21.0	19.7
72.5°	38.0	37.3	33.3	31.2	25.8	23.1	23.8	21.0	16.3	12.2	11.5
75°	19.0	20.4	19.0	17.6	14.3	12.9	12.9	11.5	8.1	4.8	4.8
77.5°	4.1	4.8	4.8	4.1	3.4	2.7	2.7	3.4	1.4	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	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)