

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: P631433

Luminaire Tested: GWS-SA1F-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631433
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-SA1F-760-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4971.5 lumens
Efficiency: N/A
Efficacy: 74.0 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

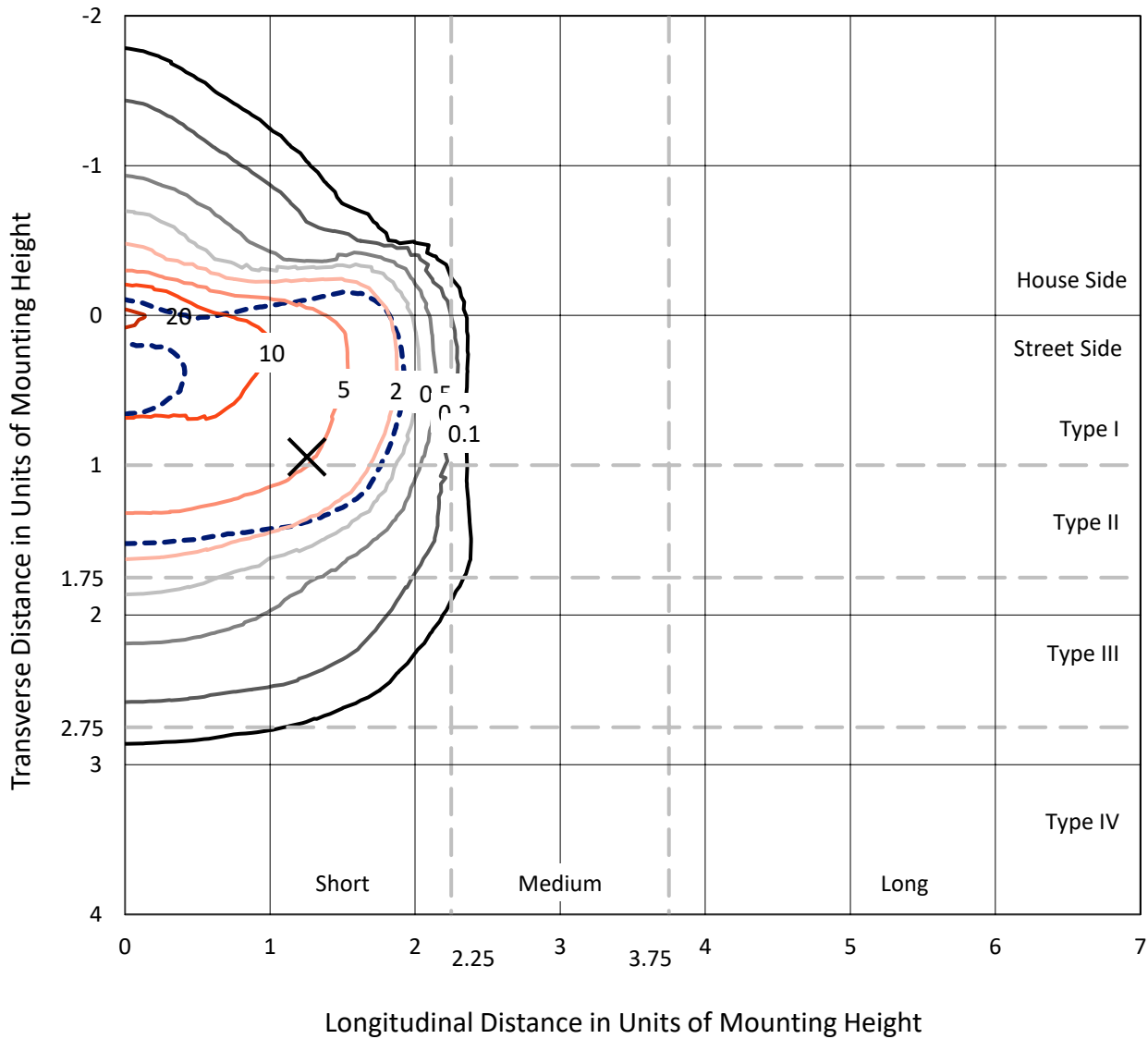
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

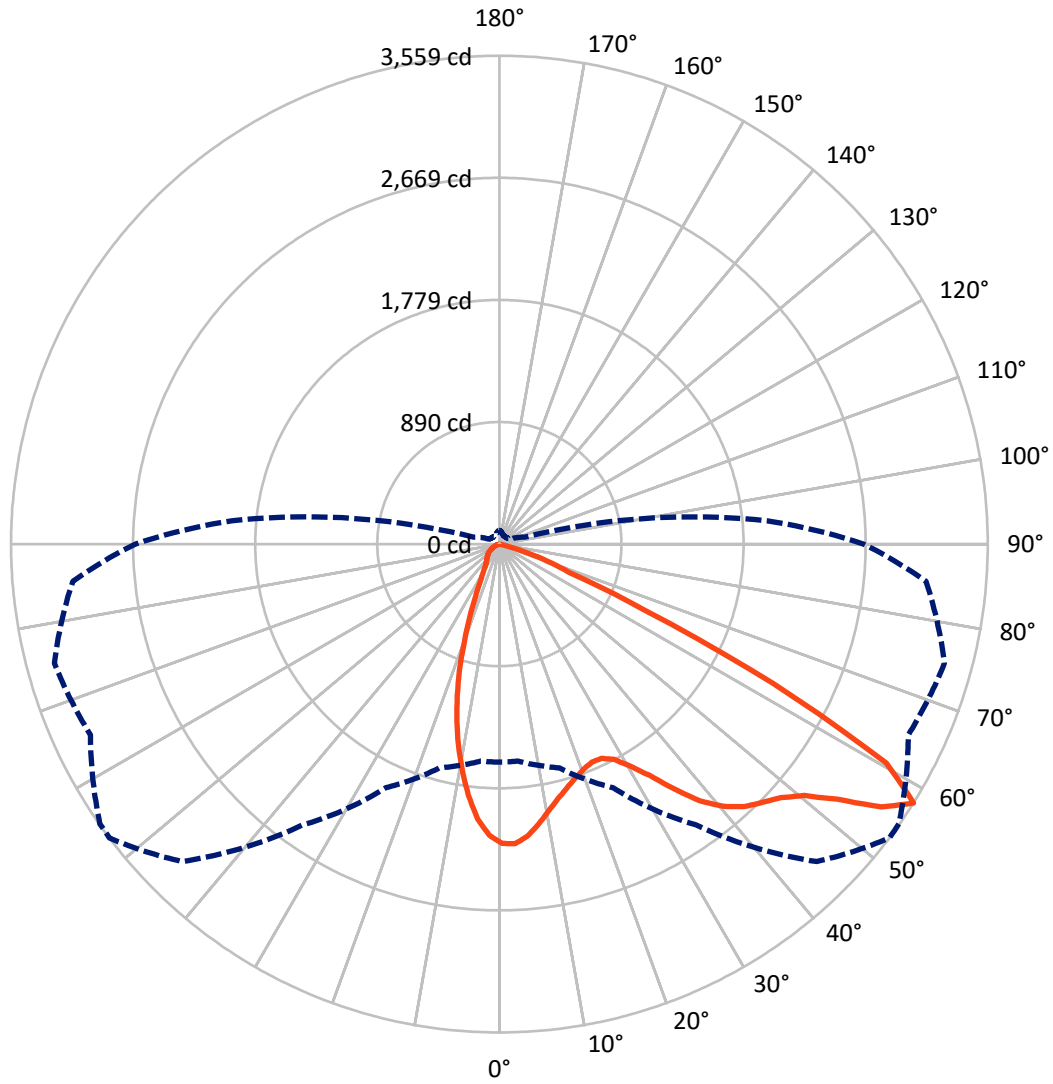
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.8 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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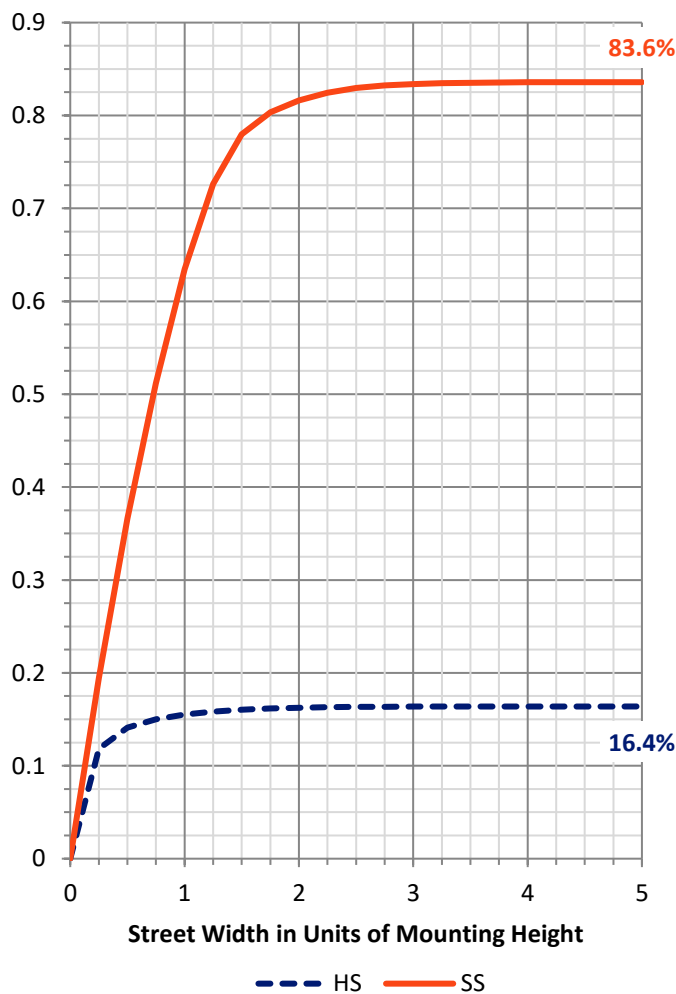
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	821.2	0.0	821.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4150.3	0.0	4150.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	4971.5	0.0	4971.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	3.8
10°-20°	409.6	8.2
20°-30°	533.6	10.7
30°-40°	774.0	15.6
40°-50°	1116.9	22.5
50°-60°	1350.8	27.2
60°-70°	550.5	11.1
70°-80°	49.5	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°	4971.5	100.0
0°-180°	4971.5	100.0

Coefficient of Utilization



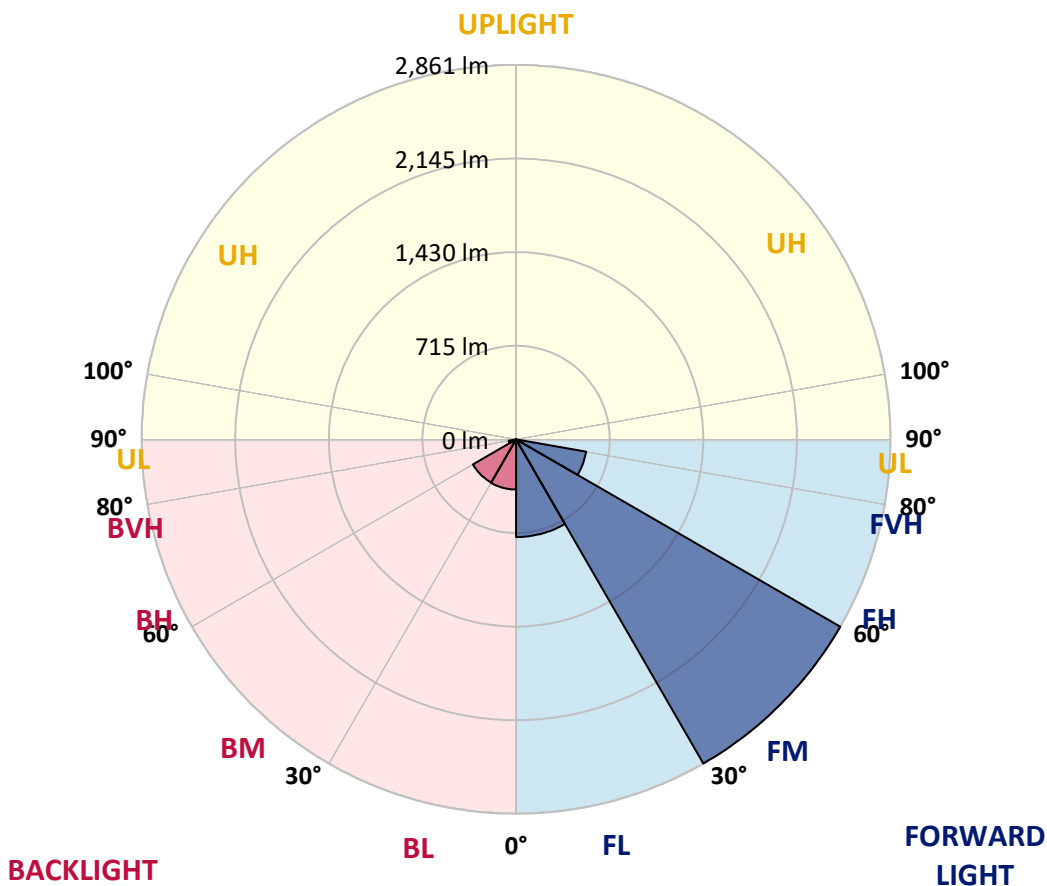
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	746.6	15.0			
FM (30°-60°)	2860.5	57.5			
FH (60°-80°)	543.2	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	383.3	7.7	B1/500		
BM (30°-60°)	381.2	7.7	B1/1000		
BH (60°-80°)	56.8	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°	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8
2.5°	2150.3	2155.2	2163.7	2174.7	2182.0	2185.7	2185.7	2196.0	2189.3	2183.8	2177.7
5°	2058.3	2063.2	2074.8	2092.4	2110.1	2122.9	2137.5	2148.5	2152.8	2152.8	2142.4
7.5°	1928.5	1935.2	1942.5	1966.9	2005.3	2033.9	2058.9	2074.8	2097.9	2105.2	2090.6
10°	1789.0	1795.7	1812.1	1845.7	1889.5	1932.2	1974.8	1994.9	2034.5	2055.3	2038.8
12.5°	1670.8	1673.8	1695.8	1736.0	1792.0	1850.5	1902.3	1923.0	1979.1	2010.2	1990.7
15°	1573.3	1575.1	1597.0	1641.5	1706.1	1778.0	1843.2	1864.5	1933.4	1980.3	1951.1
17.5°	1499.6	1500.2	1519.1	1567.2	1634.8	1714.6	1792.0	1818.2	1907.2	1963.9	1920.0
20°	1462.4	1460.6	1474.0	1516.0	1580.0	1659.8	1751.2	1783.5	1892.6	1961.4	1896.2
22.5°	1463.0	1458.7	1464.2	1494.1	1548.3	1623.2	1725.6	1762.2	1893.8	1971.8	1876.1
25°	1497.7	1491.6	1492.9	1508.7	1547.1	1615.3	1729.3	1768.3	1918.2	2006.5	1868.8
27.5°	1556.2	1549.5	1549.5	1557.4	1578.2	1640.3	1775.0	1819.5	1983.4	2074.2	1884.0
30°	1631.8	1625.1	1622.6	1630.6	1647.6	1704.9	1876.7	1923.0	2094.9	2185.0	1932.8
32.5°	1718.3	1710.4	1714.6	1725.6	1742.1	1821.3	2007.7	2069.3	2234.4	2334.3	2020.5
35°	1809.7	1803.0	1822.5	1846.3	1871.9	1982.8	2188.7	2242.3	2405.6	2520.2	2154.6
37.5°	1896.8	1893.8	1934.6	1984.6	2037.6	2176.5	2372.7	2414.2	2552.5	2722.5	2318.5
40°	1984.0	1983.4	2053.4	2141.2	2225.9	2369.7	2512.3	2546.4	2642.0	2879.7	2475.7
42.5°	2081.5	2081.5	2178.3	2295.3	2408.1	2533.0	2614.6	2629.9	2682.3	2970.5	2593.9
45°	2174.7	2180.2	2292.3	2428.2	2561.6	2660.3	2685.3	2686.5	2698.7	3024.1	2692.0
47.5°	2248.4	2253.3	2387.3	2543.9	2687.7	2757.2	2760.9	2755.4	2742.0	3075.3	2767.6
50°	2308.1	2315.4	2455.6	2621.3	2774.3	2850.4	2878.5	2873.0	2838.9	3130.1	2820.6
52.5°	2337.4	2347.7	2479.4	2659.7	2870.5	3010.1	3088.1	3100.9	2983.9	3160.6	2871.2
55°	2103.4	2118.6	2239.9	2486.7	2924.2	3256.9	3379.3	3376.9	3141.1	3251.4	2994.2
57.5°	1588.5	1587.3	1687.8	1957.8	2497.6	3270.9	3558.5	3553.6	3287.9	3356.8	3120.4
60°	1081.6	1074.2	1101.1	1231.5	1746.3	2664.6	3238.6	3304.4	3183.7	3100.9	2649.4
62.5°	890.2	883.5	875.0	839.0	1003.0	1659.8	2237.5	2337.4	2321.5	2155.2	1661.6
65°	728.8	734.2	758.0	742.8	697.7	851.2	1161.4	1220.5	1115.7	939.0	580.7
67.5°	537.4	539.9	570.9	651.4	627.0	566.7	546.6	556.3	326.0	149.9	96.9
70°	317.5	319.3	347.9	455.8	508.8	435.1	369.3	363.8	129.2	40.2	43.9
72.5°	179.8	176.1	181.6	216.9	277.2	230.9	190.1	173.0	39.0	22.5	22.5
75°	85.3	82.9	71.3	67.0	60.9	39.0	24.4	20.7	9.7	9.1	9.1
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°	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8	2180.8
2.5°	2166.8	2148.5	2144.2	2143.0	2125.9	2107.7	2088.8	2081.5	2070.5	2063.8	2069.3
5°	2125.9	2099.7	2076.6	2055.3	2017.5	1976.0	1940.1	1916.9	1895.0	1880.4	1884.0
7.5°	2068.1	2033.9	1980.9	1926.7	1857.2	1795.1	1725.6	1683.0	1643.4	1621.4	1631.8
10°	2006.5	1961.4	1876.7	1784.7	1675.7	1578.2	1478.8	1397.8	1350.9	1306.4	1311.3
12.5°	1946.2	1886.5	1759.7	1620.2	1482.5	1338.7	1188.8	1076.7	999.9	944.5	935.9
15°	1890.1	1813.4	1645.8	1461.8	1274.1	1082.8	891.4	731.2	642.2	587.4	583.7
17.5°	1840.2	1745.1	1527.6	1296.0	1060.8	815.9	595.9	475.9	424.7	400.9	398.5
20°	1792.0	1676.3	1406.9	1127.9	828.1	572.8	411.3	355.8	339.4	329.6	330.9
22.5°	1745.7	1601.3	1280.2	941.4	620.9	402.2	318.7	297.4	295.5	296.7	297.4
25°	1706.7	1532.5	1149.8	761.7	443.0	306.5	266.3	260.2	265.7	273.6	274.8
27.5°	1686.6	1476.4	1022.5	580.7	320.5	249.2	230.9	233.4	243.1	251.7	252.9
30°	1692.1	1434.4	890.8	421.0	246.8	210.2	204.1	209.0	218.7	226.7	227.9
32.5°	1731.1	1413.0	756.2	306.5	202.9	183.4	181.0	184.6	193.2	199.3	199.9
35°	1808.5	1417.9	628.2	234.6	174.3	163.3	162.7	165.1	169.4	173.7	174.3
37.5°	1922.4	1457.5	502.1	195.0	157.8	149.9	147.5	147.5	150.5	152.3	153.6
40°	2044.9	1517.2	402.2	172.4	146.2	137.7	132.8	131.0	133.4	135.9	136.5
42.5°	2146.1	1576.9	326.6	156.6	137.1	125.5	119.4	118.2	121.3	125.5	126.7
45°	2223.4	1623.2	272.4	143.8	126.7	113.9	107.2	107.2	112.7	120.0	121.3
47.5°	2294.1	1660.4	232.2	132.2	117.0	103.6	96.9	98.1	107.2	117.0	118.8
50°	2342.3	1690.3	202.3	121.9	109.1	95.1	89.0	91.4	102.4	113.9	115.8
52.5°	2394.0	1726.8	182.8	112.7	101.8	88.4	82.9	84.7	96.9	109.7	112.1
55°	2537.2	1849.3	182.2	100.5	89.0	79.2	76.8	77.4	89.6	104.2	107.2
57.5°	2654.2	1957.2	194.4	84.7	74.3	69.5	68.2	68.9	79.8	96.3	99.9
60°	2196.0	1520.9	160.9	70.1	62.2	60.9	59.1	60.3	70.7	85.3	88.4
62.5°	1299.7	869.5	76.8	53.6	53.0	51.8	50.0	52.4	62.2	74.9	76.8
65°	444.2	257.7	48.7	43.9	45.1	43.3	41.4	43.9	52.4	59.7	60.3
67.5°	85.3	68.2	39.0	36.6	37.2	33.5	32.9	35.3	40.2	41.4	40.8
70°	44.5	39.6	29.9	29.9	28.6	23.8	23.8	26.2	26.2	24.4	23.8
72.5°	23.2	21.9	19.5	21.9	18.3	14.6	14.6	15.8	14.6	12.2	12.2
75°	9.1	9.1	8.5	11.0	7.9	6.7	6.1	7.3	5.5	4.3	4.3
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)