

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: P631378

Luminaire Tested: GWS-SA1F-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631378
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5040.6 lumens
Efficiency: N/A
Efficacy: 75.0 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

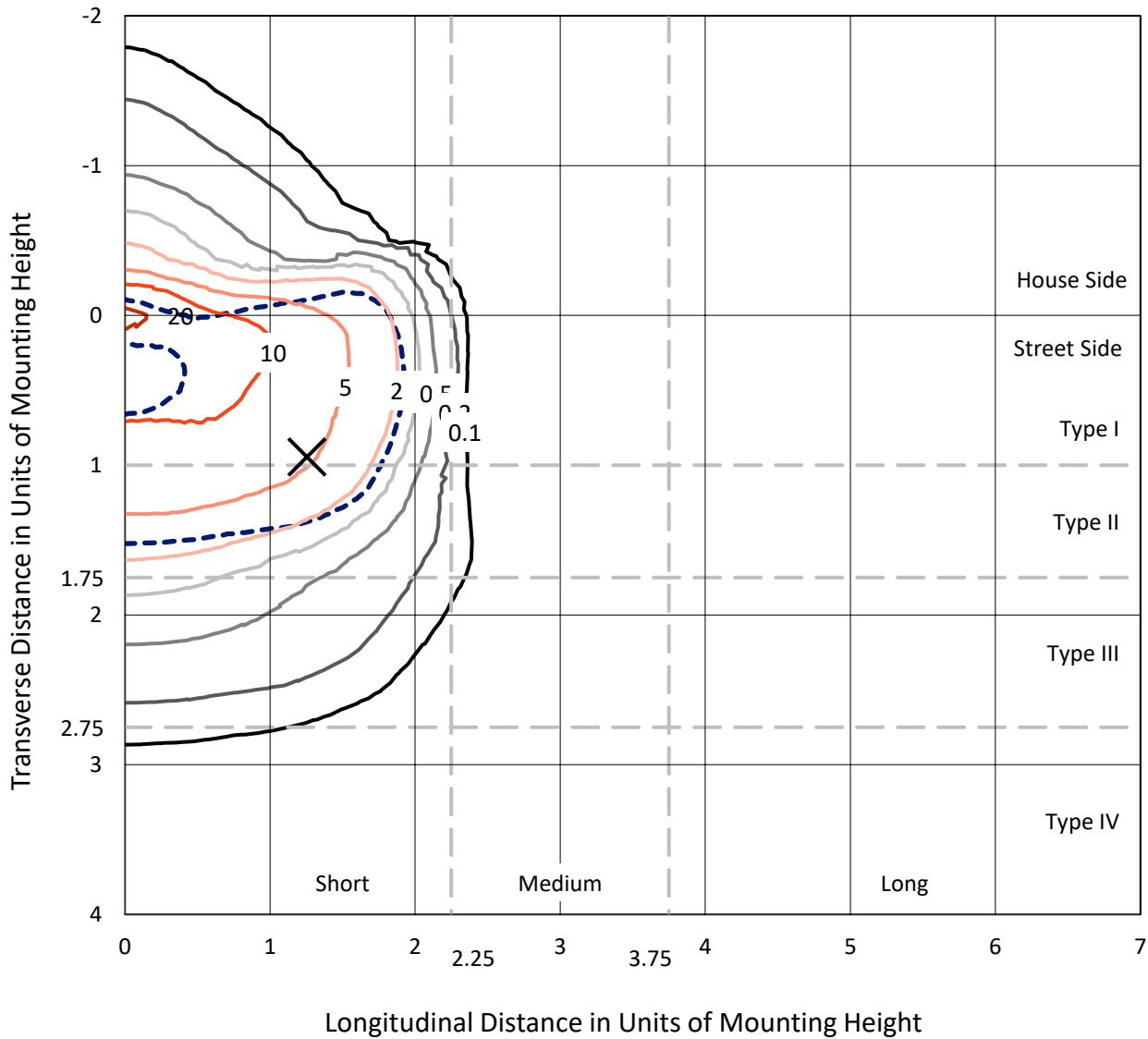
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

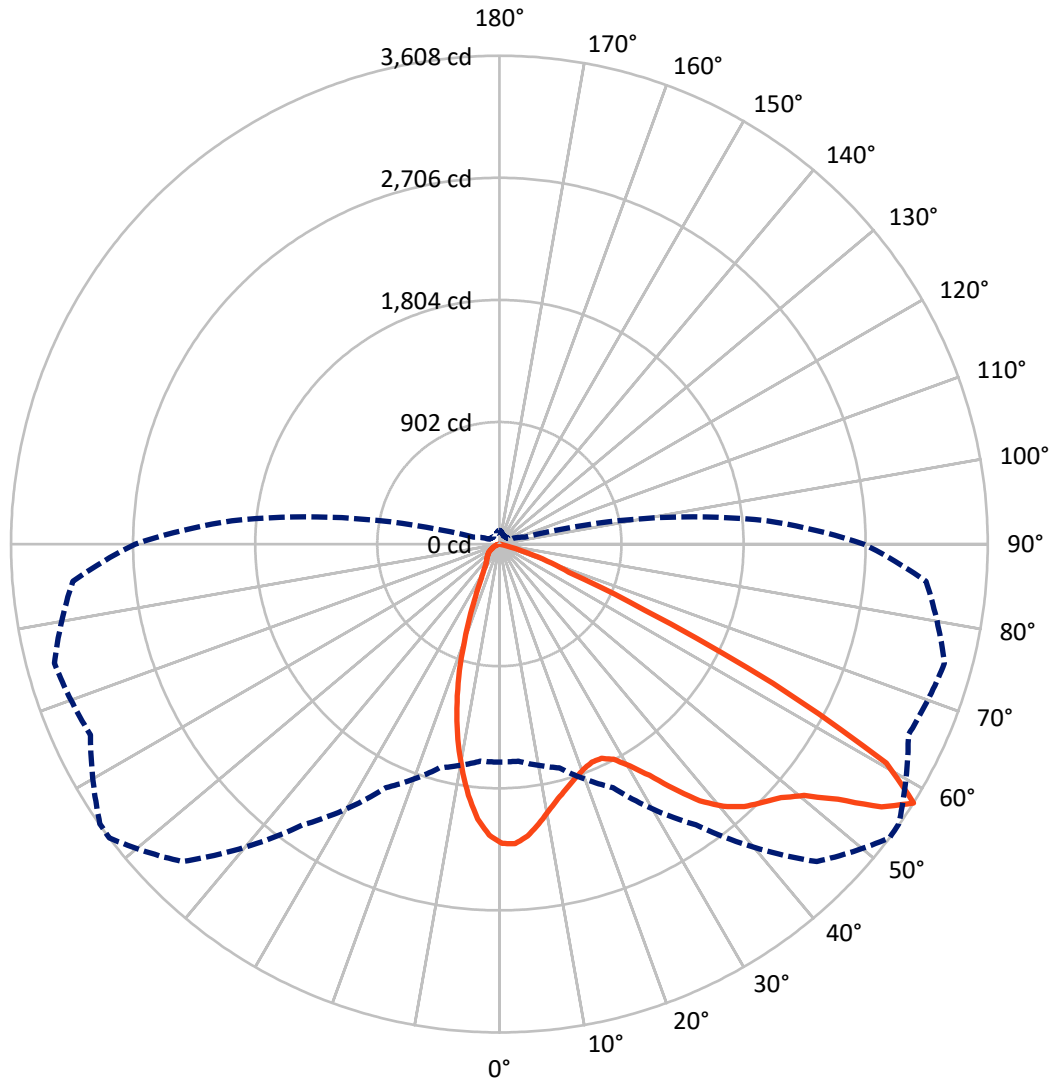
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 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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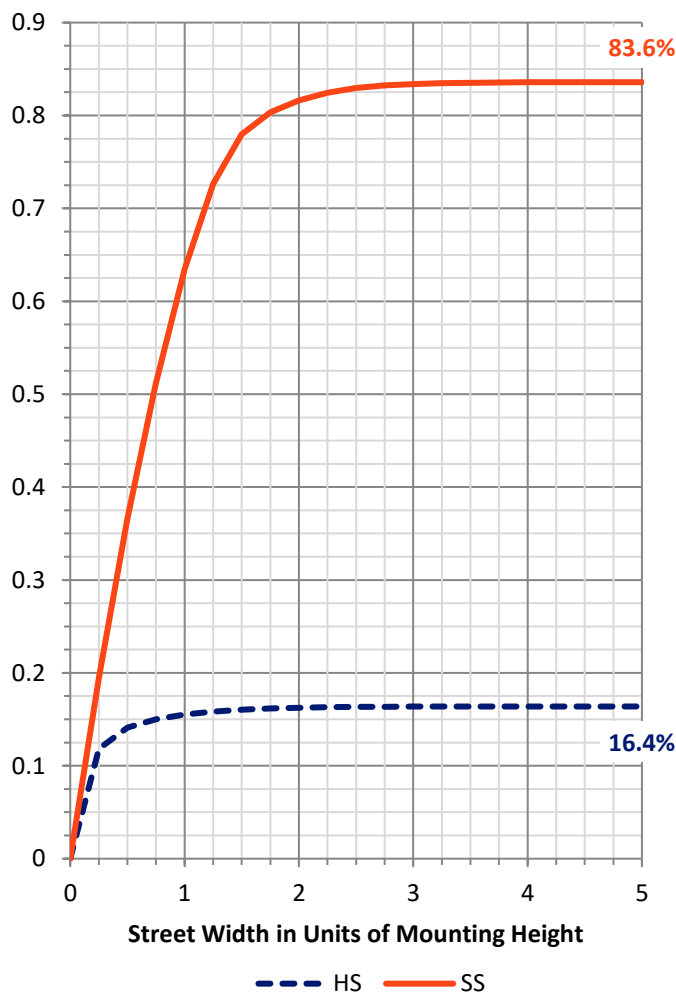
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	832.6	0.0	832.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4208.0	0.0	4208.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	5040.6	0.0	5040.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	3.8
10°-20°	415.3	8.2
20°-30°	541.0	10.7
30°-40°	784.8	15.6
40°-50°	1132.4	22.5
50°-60°	1369.5	27.2
60°-70°	558.2	11.1
70°-80°	50.2	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°	5040.6	100.0
0°-180°	5040.6	100.0

Coefficient of Utilization



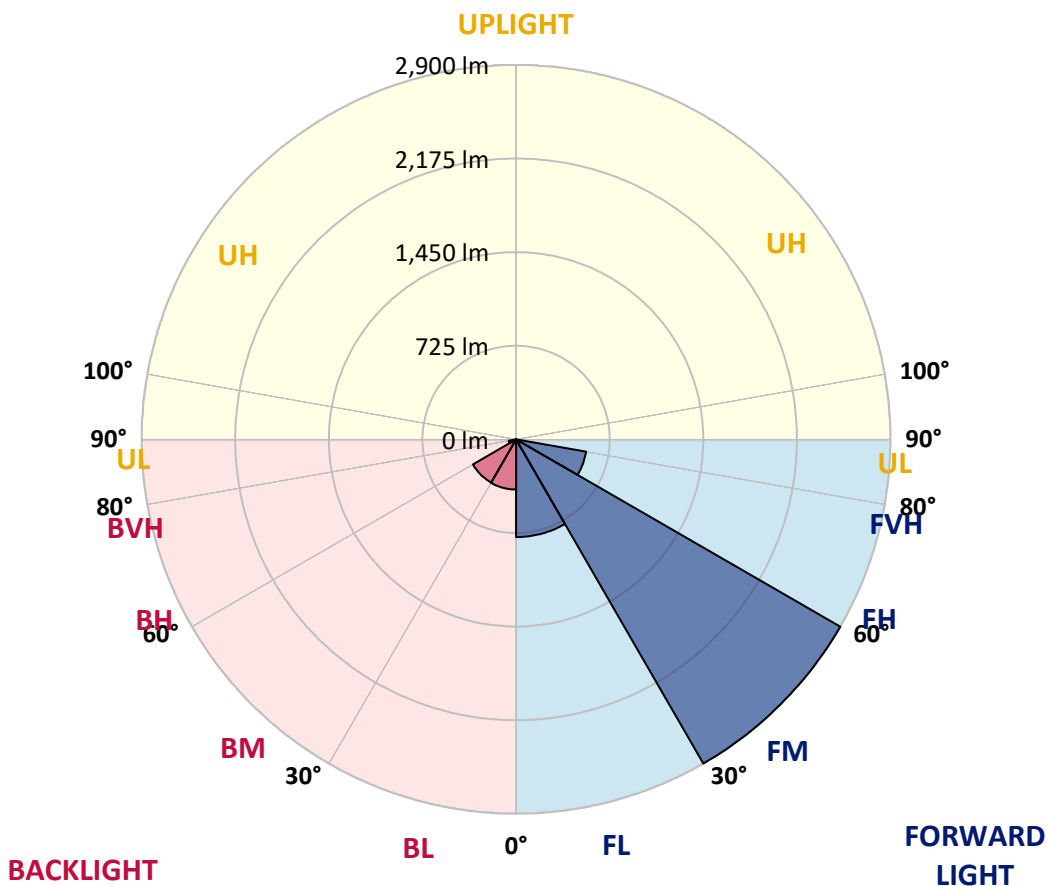
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.9	15.0			
FM (30°-60°)	2900.3	57.5			
FH (60°-80°)	550.8	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	388.6	7.7	B1/500		
BM (30°-60°)	386.5	7.7	B1/1000		
BH (60°-80°)	57.6	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°	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1
2.5°	2180.2	2185.1	2193.8	2204.9	2212.3	2216.0	2216.0	2226.5	2219.7	2214.2	2208.0
5°	2086.9	2091.9	2103.6	2121.5	2139.4	2152.4	2167.2	2178.4	2182.7	2182.7	2172.2
7.5°	1955.3	1962.1	1969.5	1994.2	2033.2	2062.2	2087.5	2103.6	2127.1	2134.5	2119.7
10°	1813.9	1820.6	1837.3	1871.3	1915.8	1959.0	2002.3	2022.7	2062.8	2083.8	2067.1
12.5°	1694.0	1697.1	1719.3	1760.1	1816.9	1876.2	1928.8	1949.8	2006.6	2038.1	2018.3
15°	1595.2	1597.0	1619.2	1664.3	1729.8	1802.7	1868.8	1890.5	1960.3	2007.8	1978.2
17.5°	1520.4	1521.0	1540.2	1589.0	1657.5	1738.5	1816.9	1843.5	1933.7	1991.2	1946.7
20°	1482.7	1480.9	1494.5	1537.1	1601.9	1682.9	1775.5	1808.3	1918.9	1988.7	1922.6
22.5°	1483.3	1479.0	1484.6	1514.8	1569.8	1645.8	1749.6	1786.7	1920.1	1999.2	1902.2
25°	1518.5	1512.4	1513.6	1529.7	1568.6	1637.8	1753.3	1792.8	1944.8	2034.4	1894.8
27.5°	1577.9	1571.1	1571.1	1579.1	1600.1	1663.1	1799.6	1844.7	2010.9	2103.0	1910.2
30°	1654.5	1647.7	1645.2	1653.2	1670.5	1728.6	1902.8	1949.8	2124.0	2215.4	1959.7
32.5°	1742.2	1734.2	1738.5	1749.6	1766.3	1846.6	2035.6	2098.0	2265.5	2366.8	2048.6
35°	1834.9	1828.1	1847.8	1871.9	1897.9	2010.3	2219.1	2273.5	2439.1	2555.2	2184.5
37.5°	1923.2	1920.1	1961.5	2012.2	2065.9	2206.8	2405.7	2447.7	2588.0	2760.3	2350.7
40°	2011.5	2010.9	2082.0	2170.9	2256.8	2402.6	2547.2	2581.8	2678.8	2919.7	2510.1
42.5°	2110.4	2110.4	2208.6	2327.2	2441.5	2568.2	2651.0	2666.4	2719.5	3011.8	2630.0
45°	2204.9	2210.5	2324.2	2461.9	2597.2	2697.3	2722.6	2723.9	2736.2	3066.1	2729.4
47.5°	2279.7	2284.6	2420.5	2579.3	2725.1	2795.5	2799.2	2793.7	2780.1	3118.0	2806.0
50°	2340.2	2347.6	2489.7	2657.8	2812.8	2890.1	2918.5	2912.9	2878.3	3173.6	2859.8
52.5°	2369.9	2380.4	2513.8	2696.7	2910.4	3051.9	3131.0	3144.0	3025.4	3204.5	2911.1
55°	2132.6	2148.1	2271.0	2521.2	2964.8	3302.1	3426.3	3423.8	3184.7	3296.6	3035.9
57.5°	1610.6	1609.4	1711.3	1985.0	2532.3	3316.3	3607.9	3603.0	3333.6	3403.4	3163.7
60°	1096.6	1089.2	1116.4	1248.6	1770.6	2701.6	3283.6	3350.3	3228.0	3144.0	2686.2
62.5°	902.6	895.8	887.2	850.7	1016.9	1682.9	2268.5	2369.9	2353.8	2185.1	1684.7
65°	738.9	744.4	768.5	753.1	707.4	863.1	1177.5	1237.4	1131.2	952.0	588.8
67.5°	544.9	547.4	578.9	660.4	635.7	574.6	554.2	564.0	330.5	152.0	98.2
70°	321.9	323.7	352.8	462.1	515.9	441.1	374.4	368.8	131.0	40.8	44.5
72.5°	182.3	178.5	184.1	219.9	281.1	234.1	192.8	175.5	39.5	22.9	22.9
75°	86.5	84.0	72.3	68.0	61.8	39.5	24.7	21.0	9.9	9.3	9.3
77.5°	0.6	1.9	1.2	1.9	1.9	1.2	0.6	0.6	1.9	1.9	2.5
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°	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1	2211.1
2.5°	2196.9	2178.4	2174.0	2172.8	2155.5	2137.0	2117.8	2110.4	2099.3	2092.5	2098.0
5°	2155.5	2128.9	2105.5	2083.8	2045.5	2003.5	1967.1	1943.6	1921.3	1906.5	1910.2
7.5°	2096.8	2062.2	2008.5	1953.5	1883.0	1820.0	1749.6	1706.4	1666.2	1644.0	1654.5
10°	2034.4	1988.7	1902.8	1809.5	1698.9	1600.1	1499.4	1417.2	1369.7	1324.6	1329.5
12.5°	1973.2	1912.7	1784.2	1642.7	1503.1	1357.3	1205.3	1091.6	1013.8	957.6	948.9
15°	1916.4	1838.6	1668.7	1482.1	1291.8	1097.8	903.8	741.4	651.2	595.6	591.8
17.5°	1865.7	1769.4	1548.8	1314.1	1075.6	827.2	604.2	482.5	430.6	406.5	404.0
20°	1816.9	1699.6	1426.5	1143.5	839.6	580.7	417.0	360.8	344.1	334.2	335.5
22.5°	1770.0	1623.6	1298.0	954.5	629.5	407.7	323.1	301.5	299.6	300.9	301.5
25°	1730.4	1553.8	1165.8	772.2	449.1	310.8	270.0	263.8	269.4	277.4	278.6
27.5°	1710.1	1496.9	1036.7	588.8	325.0	252.7	234.1	236.6	246.5	255.2	256.4
30°	1715.6	1454.3	903.2	426.9	250.2	213.1	207.0	211.9	221.8	229.8	231.1
32.5°	1755.2	1432.7	766.7	310.8	205.7	186.0	183.5	187.2	195.8	202.0	202.6
35°	1833.6	1437.6	636.9	237.9	176.7	165.6	165.0	167.4	171.7	176.1	176.7
37.5°	1949.1	1477.8	509.1	197.7	160.0	152.0	149.5	149.5	152.6	154.4	155.7
40°	2073.3	1538.3	407.7	174.8	148.3	139.6	134.7	132.8	135.3	137.8	138.4
42.5°	2175.9	1598.9	331.1	158.8	139.0	127.3	121.1	119.9	122.9	127.3	128.5
45°	2254.3	1645.8	276.2	145.8	128.5	115.5	108.7	108.7	114.3	121.7	122.9
47.5°	2326.0	1683.5	235.4	134.1	118.6	105.0	98.2	99.5	108.7	118.6	120.5
50°	2374.8	1713.8	205.1	123.6	110.6	96.4	90.2	92.7	103.8	115.5	117.4
52.5°	2427.3	1750.8	185.3	114.3	103.2	89.6	84.0	85.9	98.2	111.2	113.7
55°	2572.5	1875.0	184.7	101.9	90.2	80.3	77.8	78.5	90.8	105.6	108.7
57.5°	2691.1	1984.4	197.1	85.9	75.4	70.4	69.2	69.8	80.9	97.6	101.3
60°	2226.5	1542.0	163.1	71.0	63.0	61.8	59.9	61.2	71.7	86.5	89.6
62.5°	1317.8	881.6	77.8	54.4	53.7	52.5	50.7	53.1	63.0	76.0	77.8
65°	450.4	261.3	49.4	44.5	45.7	43.9	42.0	44.5	53.1	60.5	61.2
67.5°	86.5	69.2	39.5	37.1	37.7	34.0	33.4	35.8	40.8	42.0	41.4
70°	45.1	40.2	30.3	30.3	29.0	24.1	24.1	26.6	26.6	24.7	24.1
72.5°	23.5	22.2	19.8	22.2	18.5	14.8	14.8	16.1	14.8	12.4	12.4
75°	9.3	9.3	8.6	11.1	8.0	6.8	6.2	7.4	5.6	4.3	4.3
77.5°	2.5	2.5	2.5	3.1	1.9	1.9	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)