

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: P635007

Luminaire Tested: GWS-SA3C-830-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10889.5 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

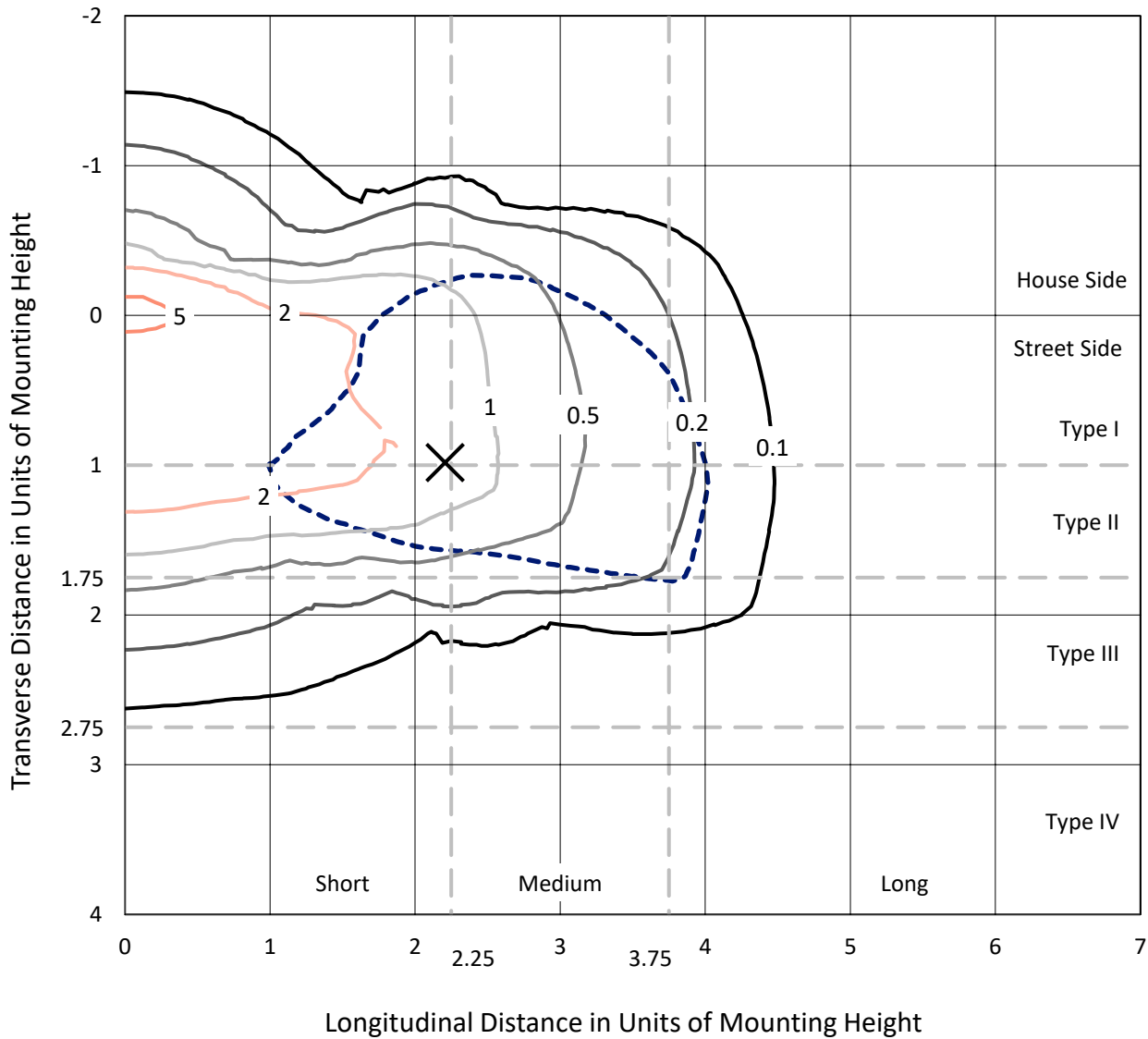
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

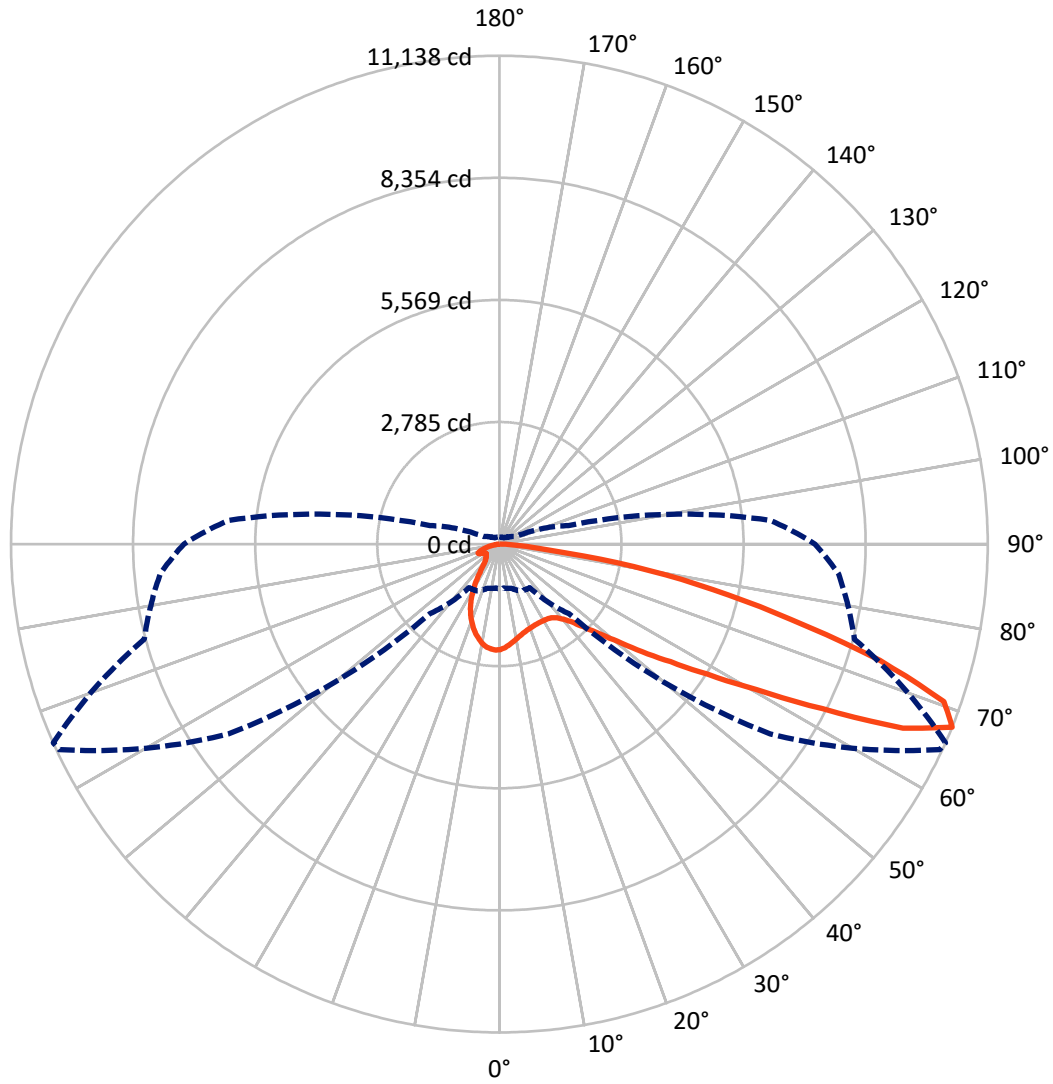
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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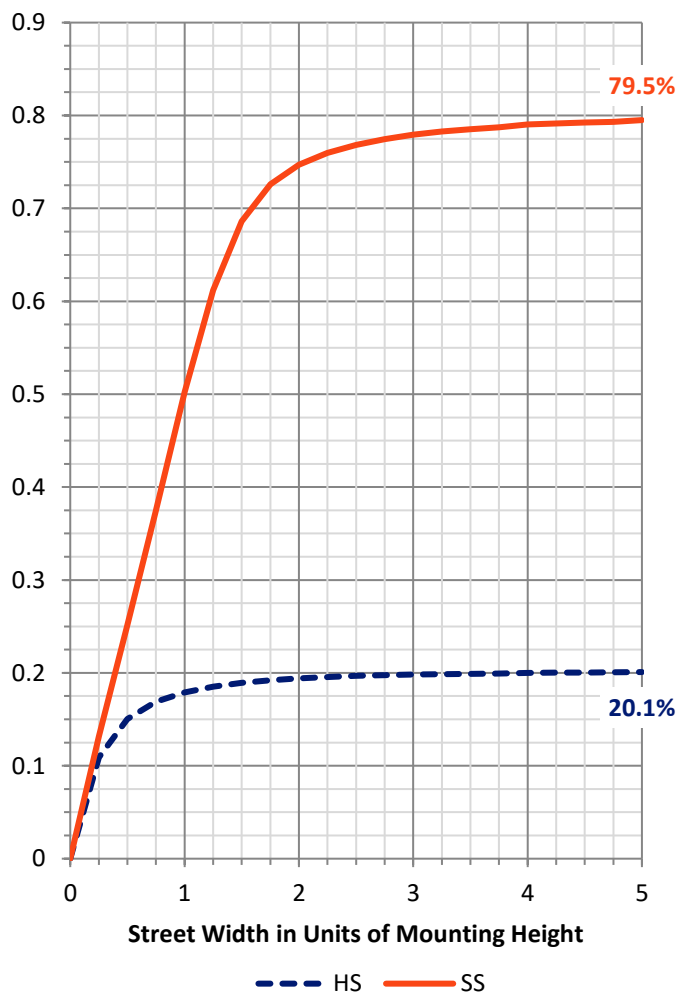
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2209.7	0.0	2209.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	8679.8	0.0	8679.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	10889.5	0.0	10889.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.2	1.9
10°-20°	519.0	4.8
20°-30°	713.4	6.6
30°-40°	975.3	9.0
40°-50°	1477.9	13.6
50°-60°	2297.4	21.1
60°-70°	2797.0	25.7
70°-80°	1703.8	15.6
80°-90°	194.6	1.8
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°	10889.5	100.0
0°-180°	10889.5	100.0

Coefficient of Utilization



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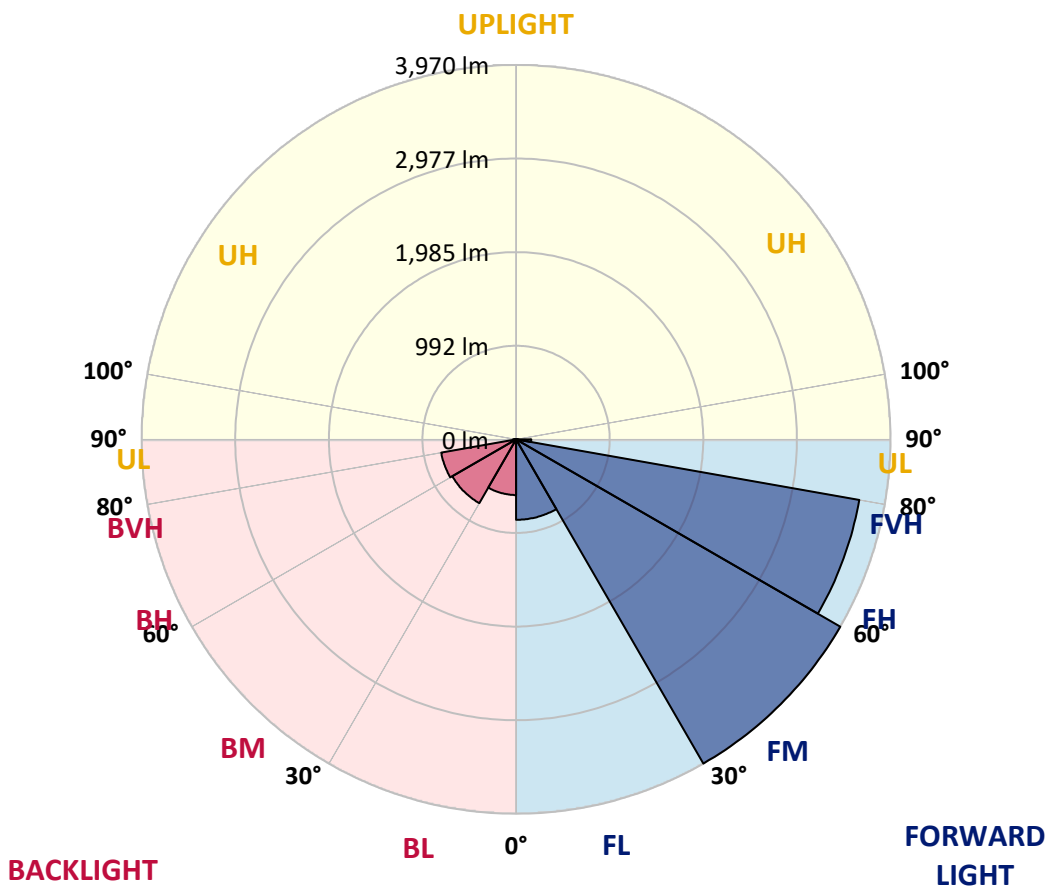
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	853.2	7.8			
FM (30°-60°)	3969.6	36.5			
FH (60°-80°)	3695.1	33.9			G2/5000
FVH (80°-90°)	161.8	1.5			G2/225
BL (0°-30°)	590.3	5.4	B2/1000		
BM (30°-60°)	780.9	7.2	B1/1000		
BH (60°-80°)	805.7	7.4	B2/1000		G2/1000
BVH (80°-90°)	32.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3
2.5°	2253.7	2261.7	2256.9	2287.1	2288.7	2326.8	2348.3	2366.5	2368.1	2392.0	2407.9
5°	2099.6	2104.4	2104.4	2133.0	2152.1	2202.9	2252.2	2304.6	2308.6	2365.8	2409.4
7.5°	1974.9	1979.7	1976.5	2014.6	2039.3	2095.7	2158.4	2238.6	2246.6	2338.7	2415.0
10°	1877.2	1875.6	1883.5	1918.5	1950.3	2017.8	2087.7	2179.1	2191.0	2307.8	2421.4
12.5°	1810.5	1812.1	1816.8	1853.4	1887.5	1954.3	2026.5	2125.8	2138.6	2272.0	2418.2
15°	1778.7	1775.5	1779.5	1812.8	1845.4	1904.2	1978.9	2081.4	2094.1	2240.2	2419.0
17.5°	1771.5	1769.2	1768.4	1792.2	1816.8	1871.6	1943.1	2047.2	2060.7	2219.6	2423.7
20°	1793.8	1790.6	1781.9	1792.2	1802.5	1848.6	1917.7	2022.6	2037.7	2206.1	2433.3
22.5°	1854.9	1849.4	1835.9	1823.2	1809.7	1837.5	1901.8	2004.3	2019.4	2197.3	2442.8
25°	1947.9	1943.1	1928.8	1900.2	1851.0	1846.2	1898.6	1996.4	2011.4	2191.0	2446.8
27.5°	2075.8	2068.6	2054.3	2013.0	1932.8	1878.8	1910.6	1995.6	2009.9	2183.8	2442.8
30°	2227.5	2222.8	2214.8	2164.8	2057.5	1947.9	1937.6	2001.9	2013.0	2179.9	2434.9
32.5°	2381.6	2376.9	2383.2	2359.4	2227.5	2062.3	1996.4	2019.4	2027.3	2179.1	2427.7
35°	2517.5	2523.0	2569.1	2573.1	2443.6	2217.2	2089.3	2059.9	2061.5	2195.0	2430.9
37.5°	2659.7	2681.1	2741.5	2793.1	2685.1	2422.2	2227.5	2136.2	2134.6	2235.5	2450.8
40°	2848.0	2857.5	2934.6	3031.5	2963.9	2703.4	2423.7	2260.9	2249.8	2318.1	2504.0
42.5°	3031.5	3054.5	3177.6	3288.9	3266.6	3020.3	2670.8	2447.6	2427.7	2464.3	2613.6
45°	3265.0	3287.3	3425.5	3568.5	3609.0	3378.6	2987.0	2712.9	2693.1	2684.3	2814.6
47.5°	3498.6	3521.6	3645.6	3852.1	3994.3	3826.7	3398.5	3063.2	3030.7	2996.5	3118.1
50°	3655.9	3682.9	3801.3	4049.1	4382.8	4385.9	3886.3	3522.4	3481.1	3427.1	3545.5
52.5°	3650.3	3667.8	3780.6	4066.6	4662.4	5028.6	4539.3	4107.1	4073.7	3956.2	4059.4
55°	3363.5	3389.8	3503.4	3860.8	4692.6	5637.9	5498.9	4796.7	4737.1	4526.6	4640.2
57.5°	2787.6	2809.8	2924.2	3365.1	4424.9	5950.1	6717.5	5675.3	5593.4	5147.8	5278.9
60°	2104.4	2077.4	2131.4	2517.5	3784.6	5958.1	7793.2	6866.9	6730.2	5811.9	5921.5
62.5°	1579.3	1552.3	1564.2	1673.0	2565.9	5476.7	8406.5	8497.0	8271.4	6561.8	6540.4
65°	1248.0	1232.9	1267.1	1341.8	1495.9	4170.7	8411.2	10259.8	10117.6	7430.9	7175.1
67.5°	1016.8	1007.3	1042.3	1180.5	1213.1	2241.0	7542.1	11082.8	11138.4	8382.6	7763.8
70°	819.0	804.7	859.6	1041.5	1128.1	1356.1	5402.8	10663.4	10753.1	8949.8	7597.7
72.5°	565.6	566.4	594.2	843.7	1089.1	1171.0	3056.1	8879.1	9073.8	8435.8	6679.4
75°	381.3	384.5	392.4	556.9	1003.3	1136.0	1628.5	6722.3	6859.7	6972.5	5521.2
77.5°	230.4	232.0	250.2	336.8	691.9	1060.5	1103.4	4872.9	4981.0	4596.5	3422.3
80°	133.5	139.0	155.7	225.6	467.1	796.8	854.0	2987.8	3110.1	2043.2	1087.5
82.5°	58.8	62.8	85.0	131.1	272.5	677.6	666.5	1180.5	1163.0	569.6	377.3
85°	10.3	12.7	18.3	41.3	100.1	357.5	517.2	521.1	490.2	216.1	156.5
87.5°	0.0	0.0	0.0	0.0	0.0	2.4	77.9	139.8	139.0	61.2	54.0
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°	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3	2406.3
2.5°	2418.2	2396.7	2415.8	2418.2	2414.2	2411.0	2387.2	2366.5	2364.2	2341.9	2341.9
5°	2426.9	2407.1	2416.6	2398.3	2369.7	2340.3	2289.5	2254.5	2238.6	2210.1	2210.1
7.5°	2438.8	2418.2	2407.1	2361.8	2295.1	2230.7	2148.9	2080.6	2052.8	2012.2	2010.7
10°	2450.0	2423.7	2385.6	2297.4	2191.0	2088.5	1969.3	1872.4	1806.5	1758.0	1758.0
12.5°	2449.2	2415.0	2339.5	2209.3	2062.3	1913.7	1754.9	1608.7	1521.3	1445.8	1441.1
15°	2447.6	2400.7	2280.8	2106.8	1912.1	1706.4	1490.3	1299.7	1170.2	1096.3	1089.9
17.5°	2446.0	2382.4	2214.8	1990.0	1729.4	1449.0	1163.8	957.3	849.2	803.9	805.5
20°	2446.0	2361.8	2144.1	1855.7	1518.9	1140.8	854.0	703.8	676.8	679.2	681.6
22.5°	2438.8	2336.4	2065.5	1709.6	1284.6	838.9	630.0	579.1	593.4	615.7	618.8
25°	2422.2	2294.3	1974.1	1547.5	1005.7	610.9	514.0	504.5	530.7	558.5	566.4
27.5°	2395.9	2245.8	1871.6	1357.6	740.4	490.9	452.0	451.2	471.9	492.5	499.7
30°	2368.1	2191.8	1763.6	1146.3	536.2	427.4	412.3	412.3	422.6	435.3	433.7
32.5°	2335.6	2137.0	1647.6	926.3	436.9	391.6	386.9	384.5	386.1	390.9	390.9
35°	2307.8	2088.5	1528.4	693.5	391.6	371.8	367.0	361.5	359.1	355.9	357.5
37.5°	2297.4	2050.4	1405.3	522.7	369.4	357.5	349.5	341.6	336.0	334.4	333.7
40°	2314.1	2034.5	1282.2	430.6	353.5	342.4	333.7	323.3	318.6	318.6	318.6
42.5°	2379.3	2046.4	1156.7	389.3	342.4	329.7	317.0	307.4	305.8	307.4	308.2
45°	2498.4	2092.5	1026.4	368.6	332.9	317.0	301.9	294.7	294.7	296.3	296.3
47.5°	2711.3	2213.2	897.7	355.9	323.3	306.6	290.8	283.6	282.8	284.4	284.4
50°	3079.9	2430.9	781.7	347.2	316.2	298.7	282.8	273.3	270.9	270.1	270.1
52.5°	3544.7	2808.2	707.8	340.8	307.4	290.0	274.1	261.4	256.6	254.2	254.2
55°	4106.3	3311.1	707.8	336.0	296.3	279.6	261.4	248.7	241.5	238.3	238.3
57.5°	4742.6	3896.6	830.2	332.1	287.6	267.7	247.9	235.1	227.2	222.4	222.4
60°	5390.1	4515.4	1132.8	326.5	279.6	252.6	232.8	220.8	210.5	205.0	204.2
62.5°	6061.4	5197.0	1531.6	329.7	274.1	238.3	216.9	203.4	194.6	189.1	188.3
65°	6676.2	5846.1	1880.4	354.3	274.9	225.6	198.6	186.7	179.5	172.4	171.6
67.5°	7198.2	6204.3	1635.7	404.4	291.5	210.5	180.3	168.4	162.1	157.3	156.5
70°	6832.7	5657.8	927.9	435.3	314.6	194.6	159.7	151.7	145.4	142.2	141.4
72.5°	5842.9	4790.3	620.4	384.5	286.8	174.0	140.6	134.3	129.5	125.5	124.7
75°	4733.1	3798.9	474.3	315.4	223.2	141.4	120.8	116.0	111.2	107.2	106.5
77.5°	2800.3	2195.0	349.5	249.4	157.3	110.4	100.1	96.1	91.4	88.2	87.4
80°	893.7	762.6	221.6	171.6	104.1	85.0	77.1	73.9	69.1	65.1	64.3
82.5°	340.8	294.7	117.6	87.4	69.1	58.0	51.6	48.5	45.3	41.3	40.5
85°	150.9	141.4	65.1	46.9	37.3	28.6	25.4	23.8	19.9	16.7	15.9
87.5°	53.2	53.2	27.8	13.5	7.9	4.0	2.4	0.8	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)