

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: P635068

Luminaire Tested: GWS-SA3D-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12449.3 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

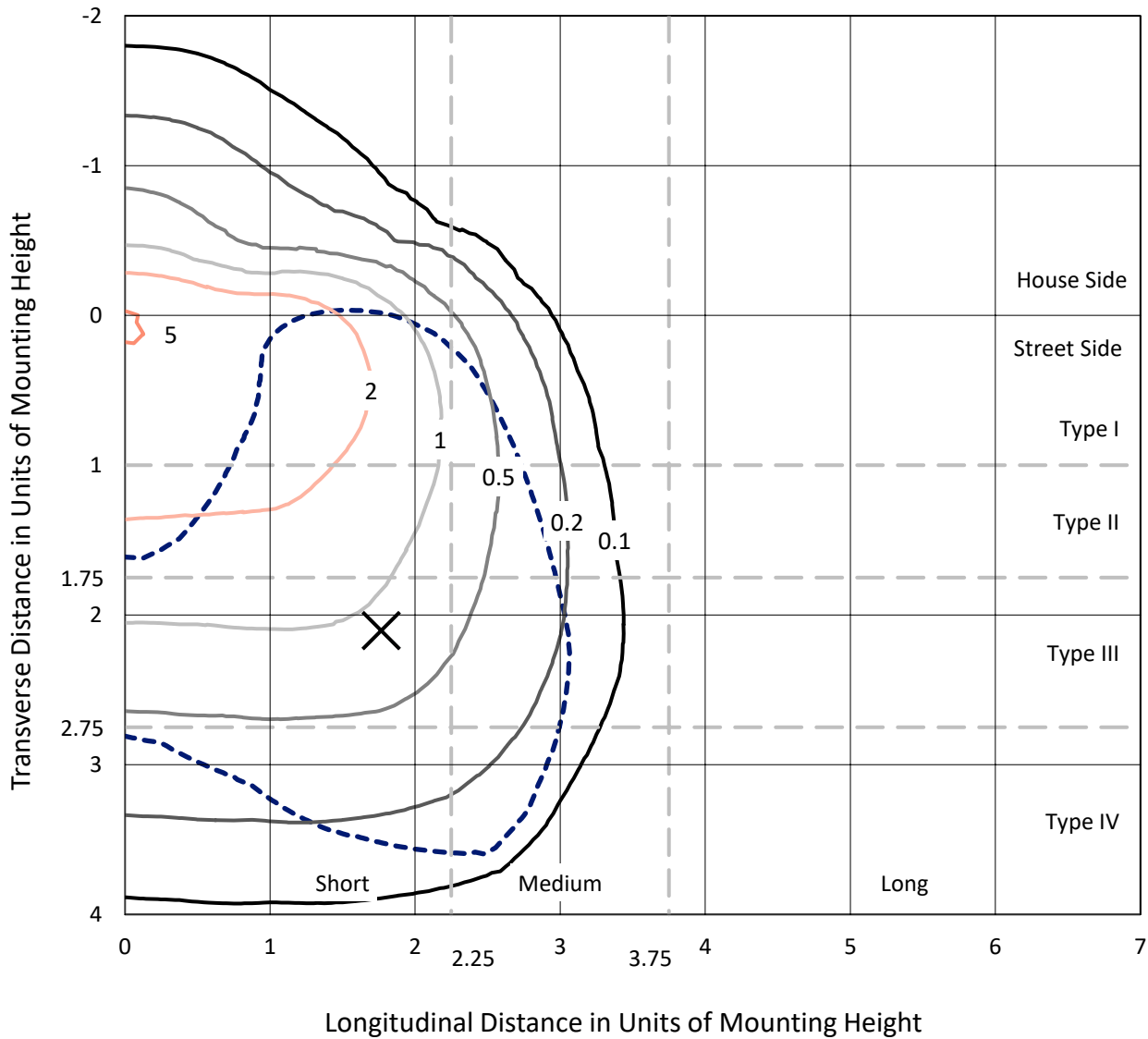
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

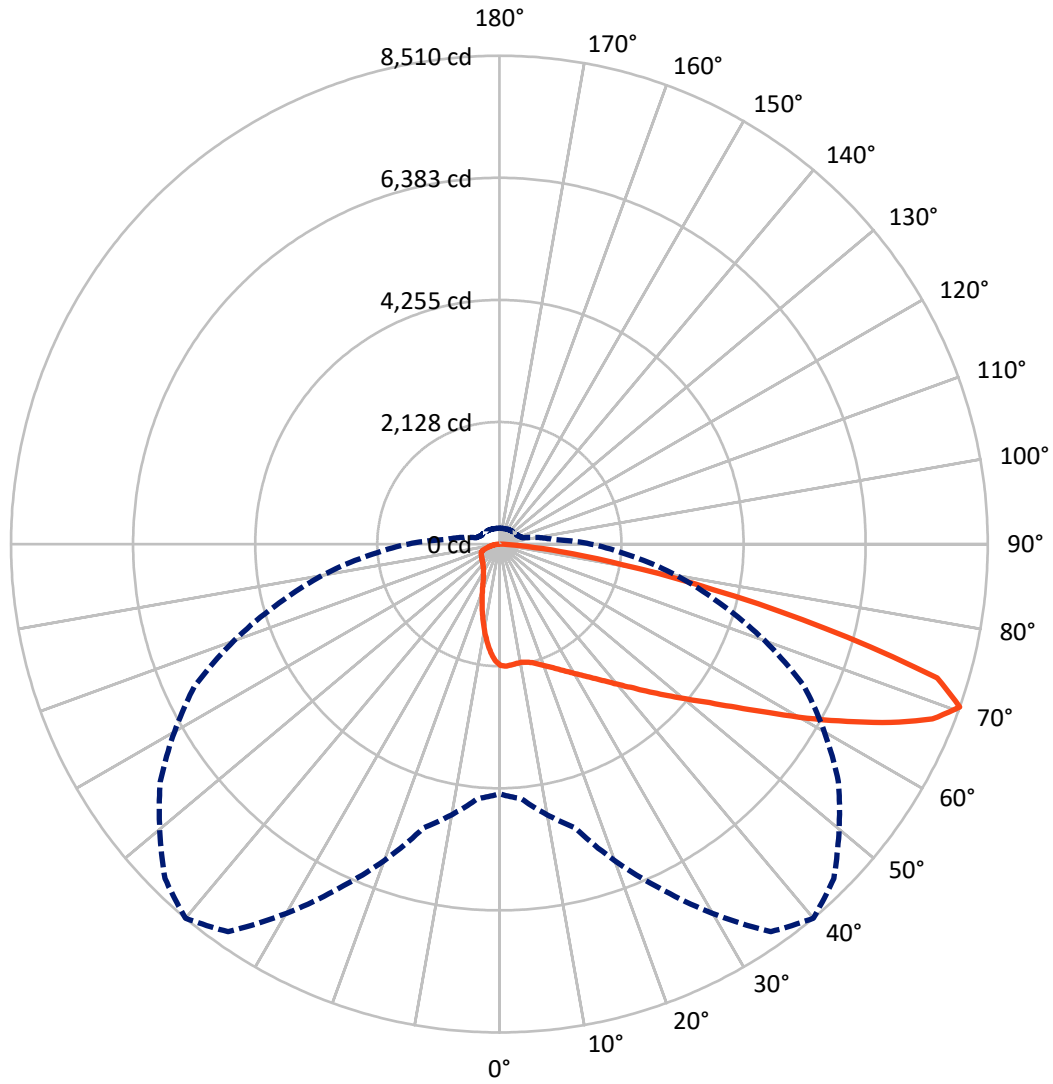
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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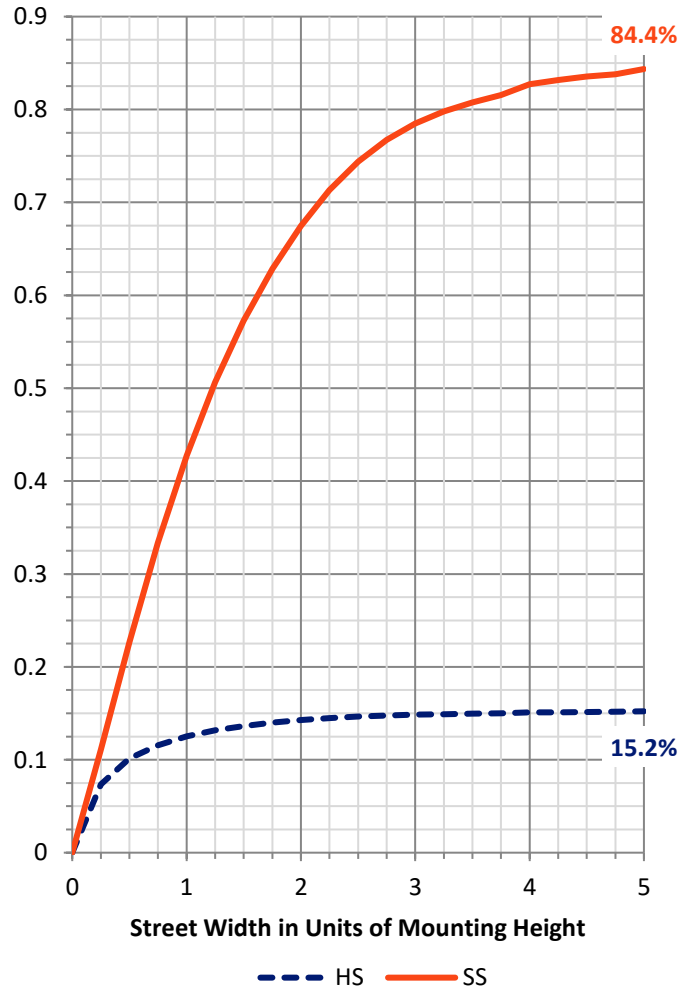
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1917.5	0.0	1917.5
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	10531.8	0.0	10531.8
	% Fixture	84.6	0.0	84.6
Total	Lumens	12449.3	0.0	12449.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	1.5
10°-20°	486.8	3.9
20°-30°	764.4	6.1
30°-40°	1149.2	9.2
40°-50°	1773.9	14.2
50°-60°	2634.4	21.2
60°-70°	3320.6	26.7
70°-80°	1920.3	15.4
80°-90°	213.1	1.7
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°	12449.3	100.0
0°-180°	12449.3	100.0

Coefficient of Utilization



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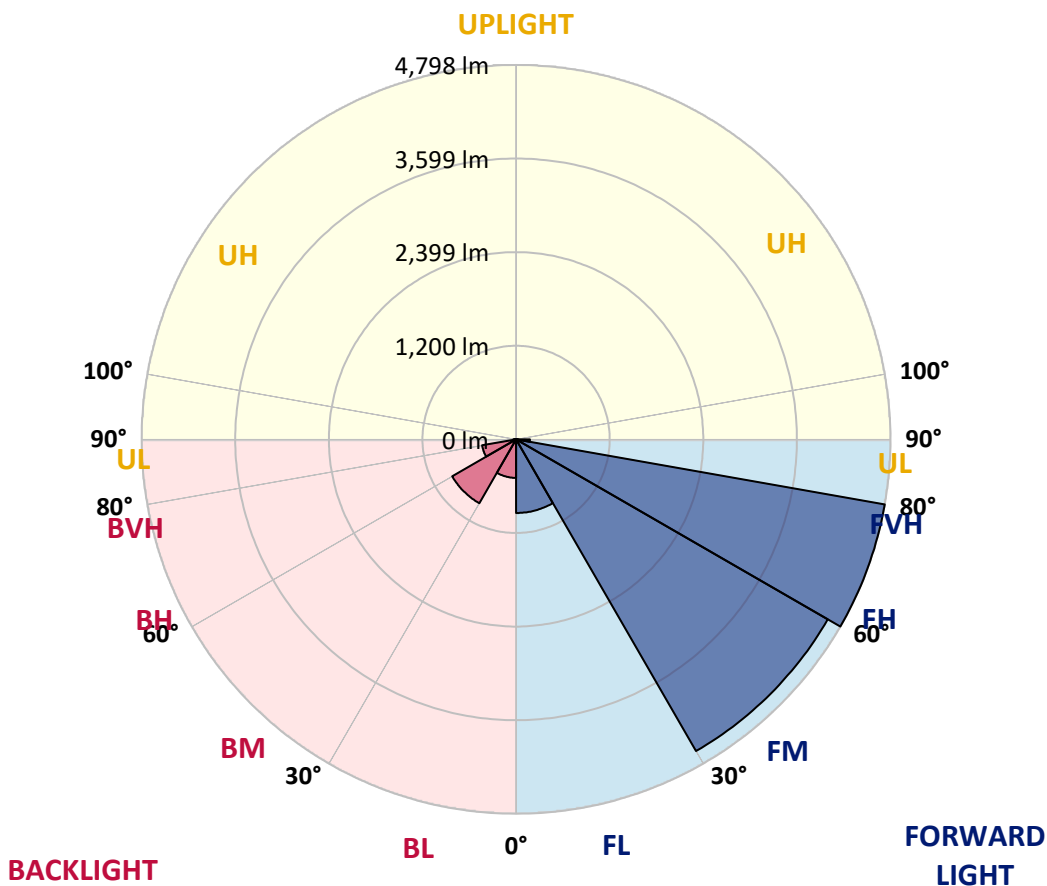
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	943.7	7.6			
FM (30°-60°)	4612.3	37.0			
FH (60°-80°)	4798.2	38.5			G2/5000
FVH (80°-90°)	177.5	1.4			G2/225
BL (0°-30°)	494.2	4.0	B1/500		
BM (30°-60°)	945.2	7.6	B1/1000		
BH (60°-80°)	442.6	3.6	B1/500		G1/500
BVH (80°-90°)	35.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0
2.5°	2127.0	2130.8	2133.5	2137.3	2135.4	2129.8	2134.5	2134.5	2124.3	2113.1	2102.9
5°	2129.8	2134.5	2133.5	2132.6	2125.2	2115.9	2115.9	2110.3	2092.7	2075.0	2058.3
7.5°	2124.3	2123.3	2122.4	2119.6	2111.2	2101.0	2099.2	2088.0	2064.8	2040.6	2016.5
10°	2099.2	2098.2	2101.0	2107.5	2105.7	2096.4	2096.4	2086.2	2059.2	2029.5	1997.9
12.5°	2078.7	2078.7	2089.9	2107.5	2114.0	2110.3	2111.2	2103.8	2073.1	2037.8	2000.7
15°	2081.5	2082.4	2106.6	2135.4	2147.5	2144.7	2145.6	2137.3	2102.9	2067.6	2017.4
17.5°	2100.1	2104.7	2146.6	2186.5	2202.3	2198.6	2192.1	2178.2	2139.1	2099.2	2037.8
20°	2139.1	2146.6	2200.5	2250.6	2269.2	2260.9	2249.7	2221.8	2179.1	2135.4	2060.1
22.5°	2216.3	2220.9	2280.4	2329.6	2344.5	2334.3	2312.0	2272.0	2222.8	2177.2	2087.1
25°	2325.0	2330.5	2387.2	2432.8	2429.0	2417.0	2386.3	2337.1	2278.5	2230.2	2126.1
27.5°	2454.1	2463.4	2519.2	2555.4	2531.3	2513.6	2479.2	2419.8	2353.8	2310.1	2185.6
30°	2595.4	2599.1	2646.5	2682.7	2645.6	2621.4	2579.6	2515.5	2456.0	2423.5	2274.8
32.5°	2732.0	2735.7	2776.6	2797.0	2758.0	2740.3	2704.1	2636.3	2594.5	2576.8	2407.7
35°	2876.0	2875.1	2908.5	2926.2	2886.2	2878.8	2841.6	2789.6	2782.2	2805.4	2601.9
37.5°	3020.0	3011.7	3029.3	3052.6	3030.3	3037.7	3013.5	2995.9	3024.7	3085.1	2860.2
40°	3135.3	3135.3	3153.9	3182.7	3190.1	3222.6	3208.7	3231.9	3324.8	3468.9	3179.9
42.5°	3237.5	3238.4	3277.4	3322.1	3375.9	3426.1	3437.3	3497.7	3690.0	3915.8	3581.3
45°	3344.4	3345.3	3398.3	3463.3	3577.6	3673.3	3695.6	3831.3	4106.3	4381.4	4017.1
47.5°	3467.9	3457.7	3531.1	3639.9	3802.5	3940.0	3997.6	4190.0	4537.5	4875.8	4427.9
50°	3607.3	3586.0	3667.7	3855.4	4056.2	4244.8	4341.4	4561.7	5000.3	5332.0	4814.4
52.5°	3764.4	3752.3	3837.8	4066.4	4373.0	4590.5	4721.5	5010.5	5450.0	5786.4	5121.1
55°	3959.5	3930.7	4054.3	4345.2	4744.7	5021.6	5176.8	5454.7	5941.6	6199.0	5355.2
57.5°	4173.2	4141.6	4307.1	4693.6	5227.9	5531.8	5726.0	5954.6	6404.4	6514.9	5492.8
60°	4403.7	4393.5	4589.5	5102.5	5804.1	6157.2	6297.5	6504.7	6806.7	6698.0	5458.4
62.5°	4614.6	4610.9	4896.2	5545.7	6414.6	6803.0	6914.5	6969.3	7096.6	6685.9	5185.2
65°	4836.7	4868.3	5254.0	6059.6	7114.3	7495.3	7541.8	7402.4	7194.2	6369.0	4625.8
67.5°	4864.6	4925.9	5478.8	6541.0	7777.8	8137.4	8100.2	7566.8	6906.2	5487.2	3625.9
70°	4350.7	4457.6	5120.1	6614.4	8245.2	8510.0	8241.5	7212.8	5860.8	3975.3	2280.4
72.5°	3635.2	3727.2	4312.6	5640.5	7642.1	7979.4	7616.1	6105.1	4141.6	2280.4	1161.6
75°	2829.6	2936.4	3476.3	4483.6	5721.4	5856.1	5674.0	4257.8	2276.7	940.4	527.8
77.5°	1726.5	1803.7	2223.7	3037.7	4003.2	3801.5	3221.7	2387.2	998.9	450.7	326.2
80°	763.8	811.2	1095.6	1631.8	2312.9	2186.5	1723.8	1019.4	546.4	286.2	227.7
82.5°	409.8	440.5	539.9	645.8	1015.7	1062.1	861.4	587.3	293.6	163.5	130.1
85°	180.3	197.9	245.3	234.2	333.6	328.0	330.8	403.3	140.3	75.3	84.6
87.5°	0.0	0.0	0.0	0.0	0.9	0.9	10.2	53.9	13.9	22.3	19.5
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°	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0	2114.0
2.5°	2091.7	2075.0	2070.4	2064.8	2054.6	2036.9	2023.9	2009.0	2002.5	1995.1	1996.0
5°	2039.7	2019.3	1999.7	1974.6	1943.1	1907.7	1883.6	1855.7	1840.8	1826.9	1830.6
7.5°	1995.1	1963.5	1923.5	1870.6	1813.9	1750.7	1699.6	1659.6	1632.7	1614.1	1623.4
10°	1967.2	1930.0	1860.3	1773.9	1678.2	1581.6	1508.2	1439.4	1396.7	1363.2	1361.3
12.5°	1961.6	1913.3	1812.0	1686.6	1548.1	1419.0	1311.2	1218.2	1161.6	1119.7	1135.5
15°	1967.2	1905.9	1770.2	1605.7	1431.0	1256.3	1122.5	1015.7	947.8	909.7	906.9
17.5°	1973.7	1898.4	1722.8	1518.4	1308.4	1108.6	953.4	840.0	770.3	732.2	733.2
20°	1979.3	1887.3	1667.1	1422.7	1183.9	971.1	810.3	702.5	640.3	612.4	617.0
22.5°	1988.6	1876.1	1607.6	1320.5	1056.6	838.2	696.9	609.6	572.4	553.8	554.8
25°	2006.2	1869.6	1546.3	1208.9	931.1	732.2	618.9	560.3	537.1	526.0	525.0
27.5°	2042.5	1875.2	1482.1	1101.2	817.7	651.4	568.7	530.6	514.8	507.4	506.4
30°	2102.9	1897.5	1426.4	991.5	720.2	588.2	534.3	511.1	501.8	495.3	494.4
32.5°	2194.9	1939.3	1366.0	889.3	641.2	541.8	507.4	495.3	488.8	485.1	485.1
35°	2334.3	2015.5	1306.5	800.1	579.8	505.5	486.0	481.3	475.8	473.9	475.8
37.5°	2535.0	2137.3	1252.6	722.0	536.2	477.6	462.8	464.6	460.0	462.8	465.6
40°	2789.6	2299.9	1207.1	657.9	503.7	457.2	442.3	448.8	446.0	448.8	453.5
42.5°	3112.0	2501.5	1172.7	607.7	480.4	440.5	426.5	433.0	431.2	434.9	439.5
45°	3471.7	2767.3	1156.9	572.4	463.7	428.4	413.5	418.2	416.3	419.1	423.7
47.5°	3816.4	3008.9	1170.8	552.0	449.8	418.2	402.4	404.2	403.3	402.4	405.2
50°	4113.8	3201.3	1210.8	545.5	440.5	407.9	393.1	394.0	391.2	385.6	387.5
52.5°	4356.3	3355.5	1235.0	545.5	435.8	396.8	382.8	383.8	378.2	370.8	371.7
55°	4516.1	3417.8	1215.5	544.5	434.0	387.5	372.6	373.6	368.0	358.7	359.6
57.5°	4561.7	3357.4	1133.7	534.3	432.1	380.1	362.4	364.3	360.5	350.3	350.3
60°	4434.4	3136.2	984.1	511.1	427.5	375.4	355.0	357.8	355.9	345.7	345.7
62.5°	4100.8	2743.1	805.7	475.8	414.4	369.8	348.5	354.0	358.7	353.1	352.2
65°	3476.3	2197.7	655.1	436.7	397.7	360.5	339.2	353.1	363.3	370.8	370.8
67.5°	2608.4	1573.2	534.3	395.9	372.6	342.0	327.1	340.1	347.5	352.2	355.0
70°	1589.9	925.5	420.9	348.5	336.4	314.1	302.9	289.9	279.7	277.8	278.8
72.5°	777.8	529.7	342.0	296.4	287.1	266.7	241.6	236.0	231.4	228.6	227.7
75°	428.4	368.9	282.5	246.3	229.5	204.4	198.9	189.6	187.7	184.0	184.9
77.5°	302.9	290.9	233.2	199.8	174.7	161.7	164.5	158.0	158.0	155.2	154.3
80°	227.7	228.6	179.3	145.9	129.2	124.5	127.3	127.3	125.4	124.5	123.6
82.5°	144.0	162.6	120.8	93.9	92.0	92.9	92.0	91.1	92.9	90.1	89.2
85°	99.4	117.1	73.4	55.8	55.8	54.8	56.7	55.8	57.6	54.8	54.8
87.5°	22.3	52.0	26.9	16.7	17.7	16.7	17.7	18.6	20.4	21.4	21.4
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)