

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: P629911

Luminaire Tested: GWS-SA1C-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4878.1 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

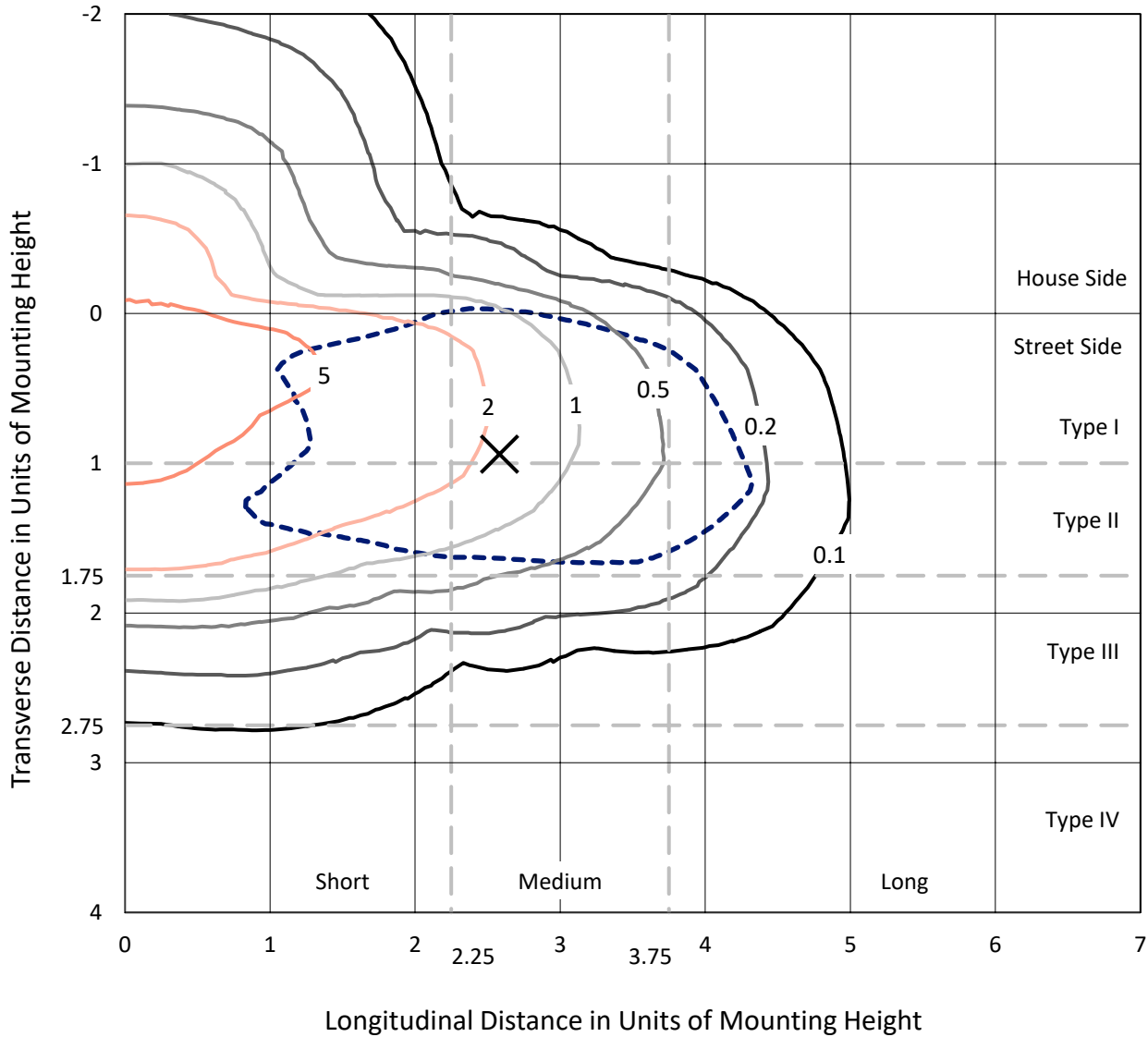
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

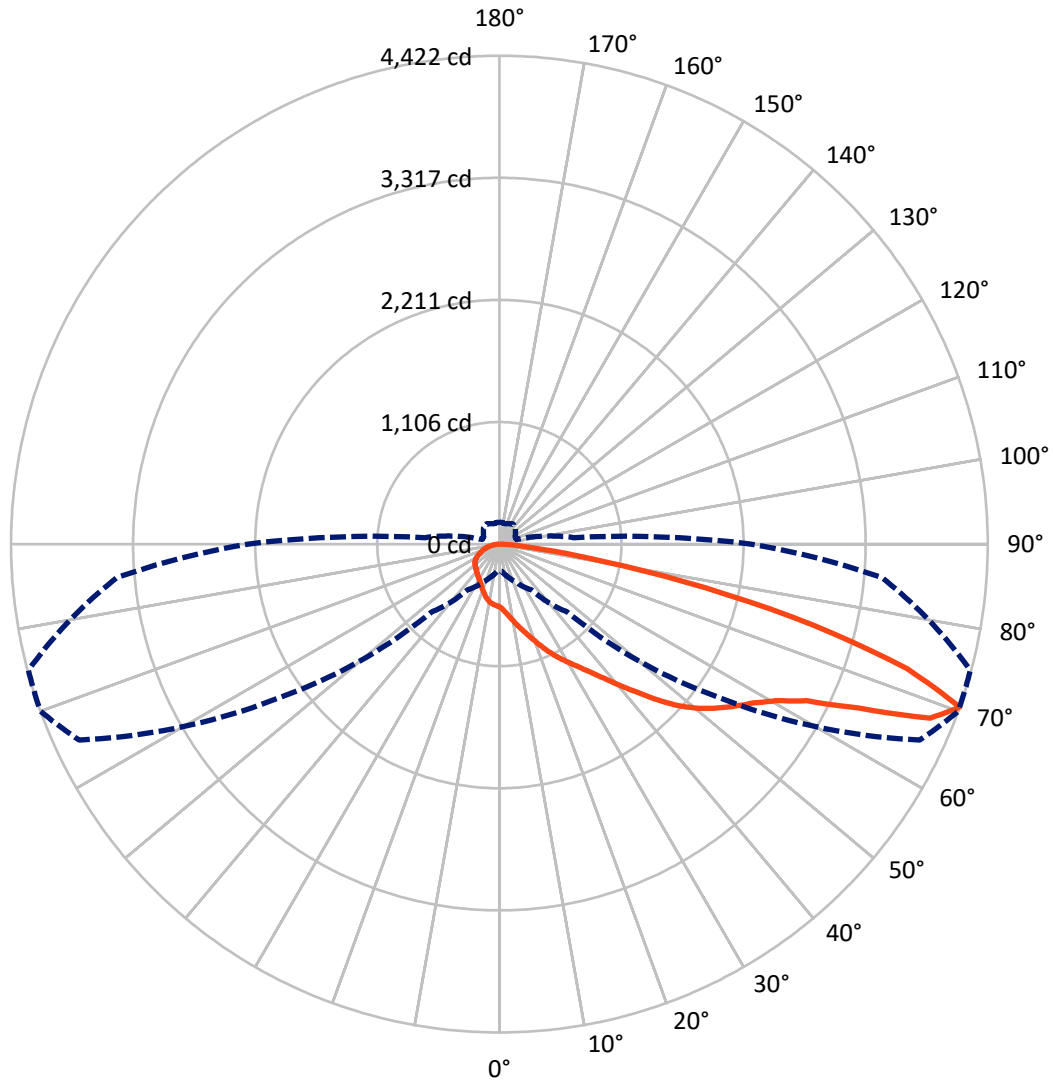
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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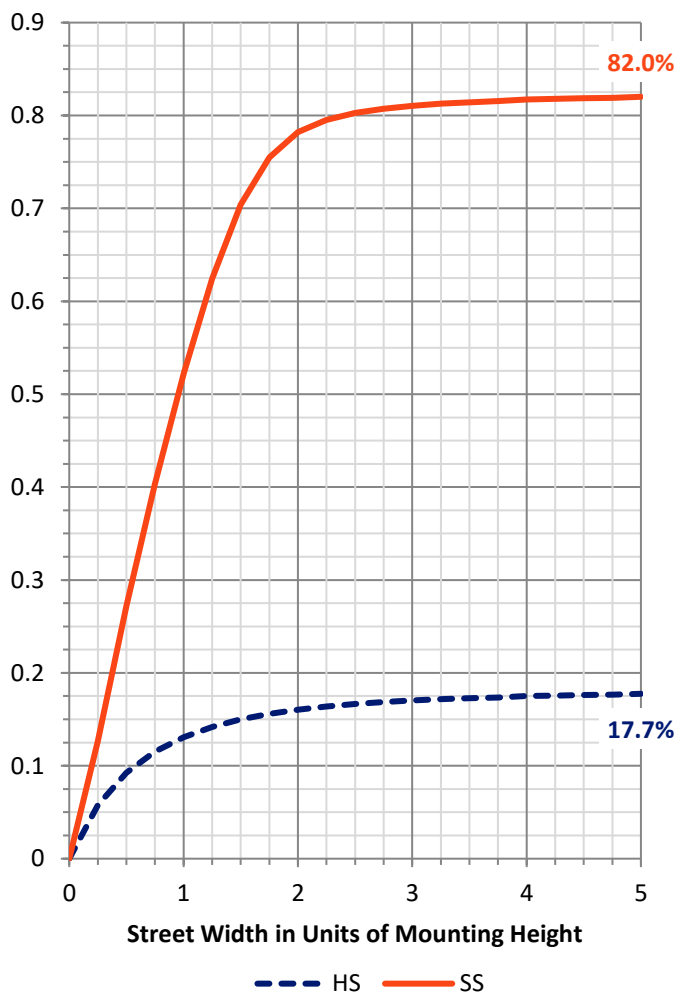
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	874.2	0.0	874.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	4003.9	0.0	4003.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	4878.1	0.0	4878.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	1.2
10°-20°	188.1	3.9
20°-30°	333.2	6.8
30°-40°	501.5	10.3
40°-50°	758.7	15.6
50°-60°	1086.9	22.3
60°-70°	1201.4	24.6
70°-80°	678.0	13.9
80°-90°	72.5	1.5
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°	4878.1	100.0
0°-180°	4878.1	100.0

Coefficient of Utilization



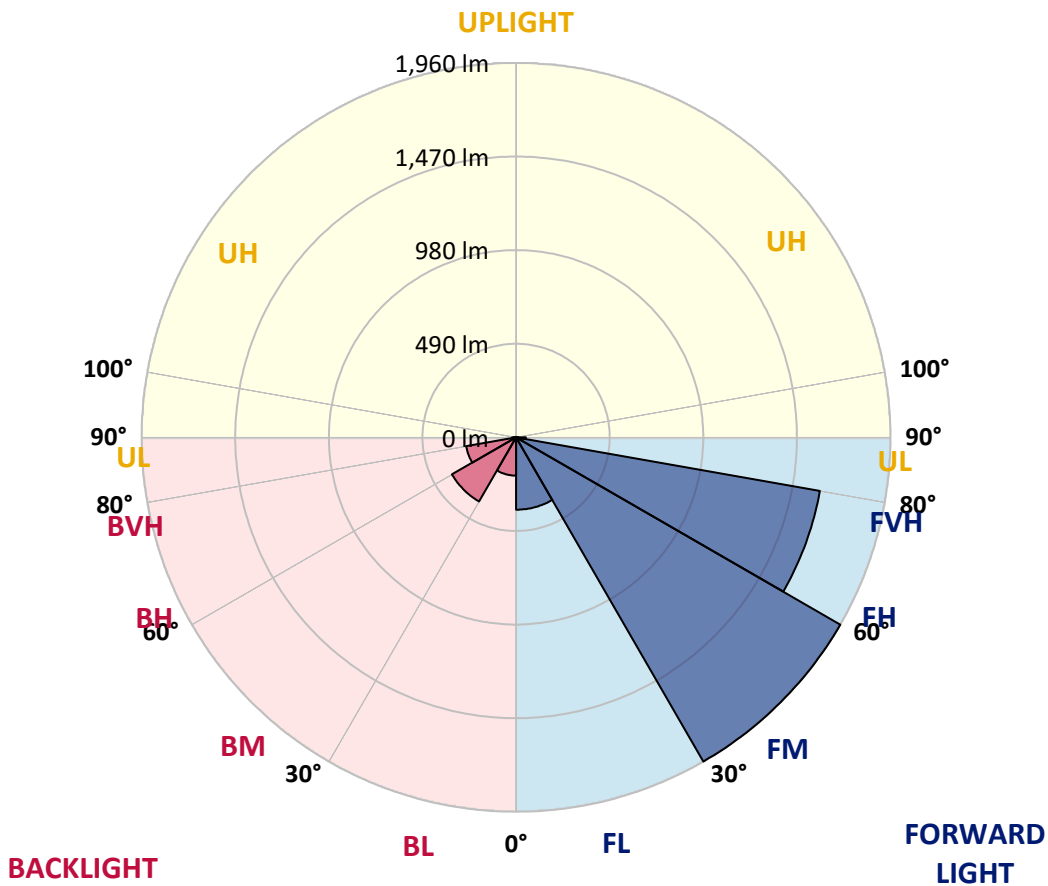
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.7	7.8			
FM (30°-60°)	1959.5	40.2			
FH (60°-80°)	1614.5	33.1			G1/1800
FVH (80°-90°)	51.3	1.1			G1/100
BL (0°-30°)	200.4	4.1	B1/500		
BM (30°-60°)	387.5	7.9	B1/1000		
BH (60°-80°)	265.0	5.4	B1/500		G1/500
BVH (80°-90°)	21.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9
2.5°	630.2	629.2	629.9	629.2	625.3	615.8	608.0	598.1	591.4	587.6	578.4
5°	704.2	703.2	700.7	697.2	690.1	677.1	657.7	636.2	623.2	613.3	593.9
7.5°	757.5	757.5	757.1	752.9	747.9	734.2	711.3	683.1	664.1	647.1	615.4
10°	784.6	786.4	788.8	794.8	793.8	786.4	764.9	734.5	710.6	690.8	643.6
12.5°	799.4	800.5	804.7	817.0	829.7	831.5	818.8	787.1	761.0	734.5	675.0
15°	818.4	818.8	824.4	839.2	857.9	876.6	873.4	841.7	814.9	785.7	709.9
17.5°	833.2	835.7	845.9	863.2	886.5	912.2	927.7	908.0	874.8	841.3	747.9
20°	838.5	840.3	853.7	880.1	911.8	948.1	982.7	977.4	943.9	904.4	790.9
22.5°	857.6	857.6	867.4	889.6	927.0	979.9	1035.9	1049.7	1020.0	973.9	837.1
25°	899.5	898.1	902.7	911.8	940.0	1005.2	1088.4	1129.7	1096.5	1044.7	883.3
27.5°	957.0	956.3	955.9	957.3	966.8	1027.5	1132.8	1204.4	1171.3	1112.7	924.5
30°	1019.3	1017.2	1021.8	1017.6	1015.5	1053.9	1170.6	1271.4	1245.6	1180.1	958.7
32.5°	1104.3	1100.4	1099.4	1085.6	1077.2	1095.1	1200.9	1347.5	1327.1	1252.7	997.1
35°	1216.4	1212.9	1194.9	1173.0	1148.0	1156.5	1238.6	1421.9	1423.3	1343.6	1047.5
37.5°	1329.5	1330.2	1316.1	1264.7	1238.9	1234.0	1296.0	1512.5	1542.8	1452.2	1112.7
40°	1423.6	1427.9	1427.9	1373.6	1335.2	1330.6	1376.7	1620.0	1680.2	1585.4	1195.2
42.5°	1495.2	1499.1	1511.4	1472.3	1431.7	1447.6	1474.7	1727.8	1836.0	1750.0	1299.6
45°	1573.8	1577.0	1583.7	1561.1	1537.5	1579.8	1585.8	1856.8	2014.4	1934.7	1420.8
47.5°	1678.1	1675.3	1676.0	1659.4	1641.1	1709.5	1708.1	1965.4	2186.7	2137.0	1552.3
50°	1807.8	1813.1	1808.2	1775.4	1753.9	1816.3	1824.4	2085.6	2338.3	2337.2	1684.8
52.5°	1932.6	1934.7	1960.8	1962.2	1918.1	1905.1	1926.3	2206.8	2466.2	2520.5	1812.1
55°	1938.9	1947.0	2025.3	2081.7	2152.9	2048.2	2029.2	2322.4	2590.0	2699.9	1944.2
57.5°	1803.9	1817.0	1949.9	2071.5	2269.6	2293.9	2205.4	2471.9	2713.7	2876.5	2097.2
60°	1515.6	1542.8	1723.2	1909.3	2217.0	2470.5	2566.0	2674.9	2876.2	3057.0	2283.0
62.5°	967.9	978.5	1231.5	1543.1	1980.5	2453.2	2958.6	3032.7	3123.6	3292.1	2569.2
65°	484.6	518.5	666.9	921.0	1428.2	2161.7	3157.1	3687.9	3576.5	3694.6	3033.0
67.5°	328.9	339.8	414.9	553.4	837.5	1531.5	3034.1	4239.9	4207.1	4226.5	3527.5
70°	242.5	249.5	308.8	391.9	506.5	869.5	2415.5	4198.3	4422.1	4415.0	3475.7
72.5°	176.9	180.5	225.2	299.2	375.4	449.8	1475.1	3391.5	3860.3	4063.6	3039.7
75°	128.7	132.9	156.5	223.8	291.8	280.6	728.2	2449.7	2943.8	3335.1	2476.5
77.5°	95.9	101.2	112.1	140.3	204.4	200.9	314.8	1590.7	1904.0	2178.3	1504.3
80°	69.1	70.1	76.5	89.9	129.7	117.7	149.8	829.4	951.0	1041.9	589.7
82.5°	41.9	43.0	51.1	55.3	80.4	74.0	77.9	268.6	384.9	408.5	220.3
85°	12.3	13.0	23.3	25.4	33.5	31.7	31.4	109.3	130.4	166.7	86.7
87.5°	0.0	0.0	0.0	0.0	0.4	2.1	3.9	19.4	29.3	40.5	21.1
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°	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9
2.5°	574.9	566.8	562.5	555.1	549.9	544.6	539.3	534.3	532.2	529.1	529.8
5°	585.1	572.4	559.7	545.3	532.9	522.7	513.5	505.4	501.9	498.7	500.2
7.5°	600.6	581.6	557.3	530.8	511.4	497.3	487.8	482.2	480.4	478.0	478.0
10°	620.3	591.8	549.1	511.4	488.2	476.9	472.7	472.3	474.1	474.4	473.7
12.5°	642.2	601.7	537.2	488.5	468.8	465.3	468.4	474.4	480.4	483.6	482.9
15°	664.8	608.0	516.7	466.7	454.7	459.3	469.5	481.5	493.1	499.1	498.7
17.5°	685.9	609.4	490.3	445.5	442.4	454.0	471.6	490.3	506.1	514.6	515.0
20°	709.5	607.0	463.1	426.5	430.0	449.0	472.3	494.9	513.5	522.0	524.1
22.5°	731.0	598.5	436.7	408.5	419.4	443.1	466.7	487.8	504.4	512.5	515.3
25°	750.4	582.3	407.8	393.4	411.3	434.6	452.6	467.4	479.0	483.9	487.8
27.5°	761.0	558.0	386.0	381.4	403.6	422.6	432.5	437.1	440.9	439.5	442.4
30°	763.1	527.6	366.9	371.9	391.9	406.0	408.2	403.6	396.9	386.0	388.4
32.5°	761.0	492.8	351.1	361.6	378.9	387.4	384.5	372.6	356.3	339.4	340.5
35°	761.7	457.5	338.0	350.4	363.7	368.3	361.3	344.7	327.4	311.9	311.2
37.5°	769.4	427.9	327.1	339.4	348.9	349.7	341.9	324.6	315.8	304.2	302.8
40°	790.9	406.0	317.2	328.5	334.5	334.1	325.3	313.0	319.0	315.1	314.1
42.5°	826.2	392.7	309.1	316.9	321.1	321.8	314.8	307.0	320.0	315.1	313.3
45°	882.9	391.9	303.5	305.2	311.9	316.9	311.9	303.1	308.1	284.1	279.5
47.5°	950.3	403.9	299.2	295.0	306.6	315.5	307.7	293.6	283.4	261.5	258.4
50°	1031.3	428.3	295.4	284.1	298.9	310.2	302.4	283.0	267.5	255.9	254.1
52.5°	1127.6	460.3	290.4	271.8	287.3	307.4	302.4	282.0	261.5	251.0	249.2
55°	1228.4	497.3	284.8	257.0	274.2	308.1	304.9	274.6	257.0	251.3	249.9
57.5°	1353.5	541.7	274.6	239.7	262.6	301.7	295.0	270.3	253.8	249.2	247.8
60°	1516.0	607.7	255.2	222.1	249.2	290.4	286.2	263.3	245.3	241.4	240.4
62.5°	1773.3	719.4	231.6	205.1	233.3	266.8	273.2	249.9	234.7	234.4	234.0
65°	2192.7	853.7	203.7	190.0	216.8	247.4	255.9	236.2	223.8	227.7	227.3
67.5°	2486.7	865.3	180.8	174.1	197.4	226.3	238.6	222.1	208.7	216.1	215.7
70°	2277.7	675.0	161.1	157.6	176.6	203.4	219.9	204.4	191.0	198.1	196.7
72.5°	1921.0	517.4	142.4	140.3	155.4	179.4	196.0	186.8	172.7	172.7	169.5
75°	1543.8	426.8	122.7	121.6	131.8	155.1	173.8	158.3	145.2	144.5	142.4
77.5°	885.4	279.9	102.9	102.2	105.4	129.7	135.0	131.8	122.0	117.4	116.0
80°	352.8	145.6	81.1	76.5	79.7	95.2	106.4	101.2	92.7	87.1	83.9
82.5°	136.8	73.0	57.1	50.1	54.6	68.7	77.2	75.4	69.8	57.1	53.6
85°	55.7	35.6	34.2	28.9	31.7	37.0	44.4	38.4	31.7	22.6	21.5
87.5°	14.8	13.0	12.7	7.8	6.0	1.8	0.4	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)