

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: P630061

Luminaire Tested: GWS-SA1C-830-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3741.2 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

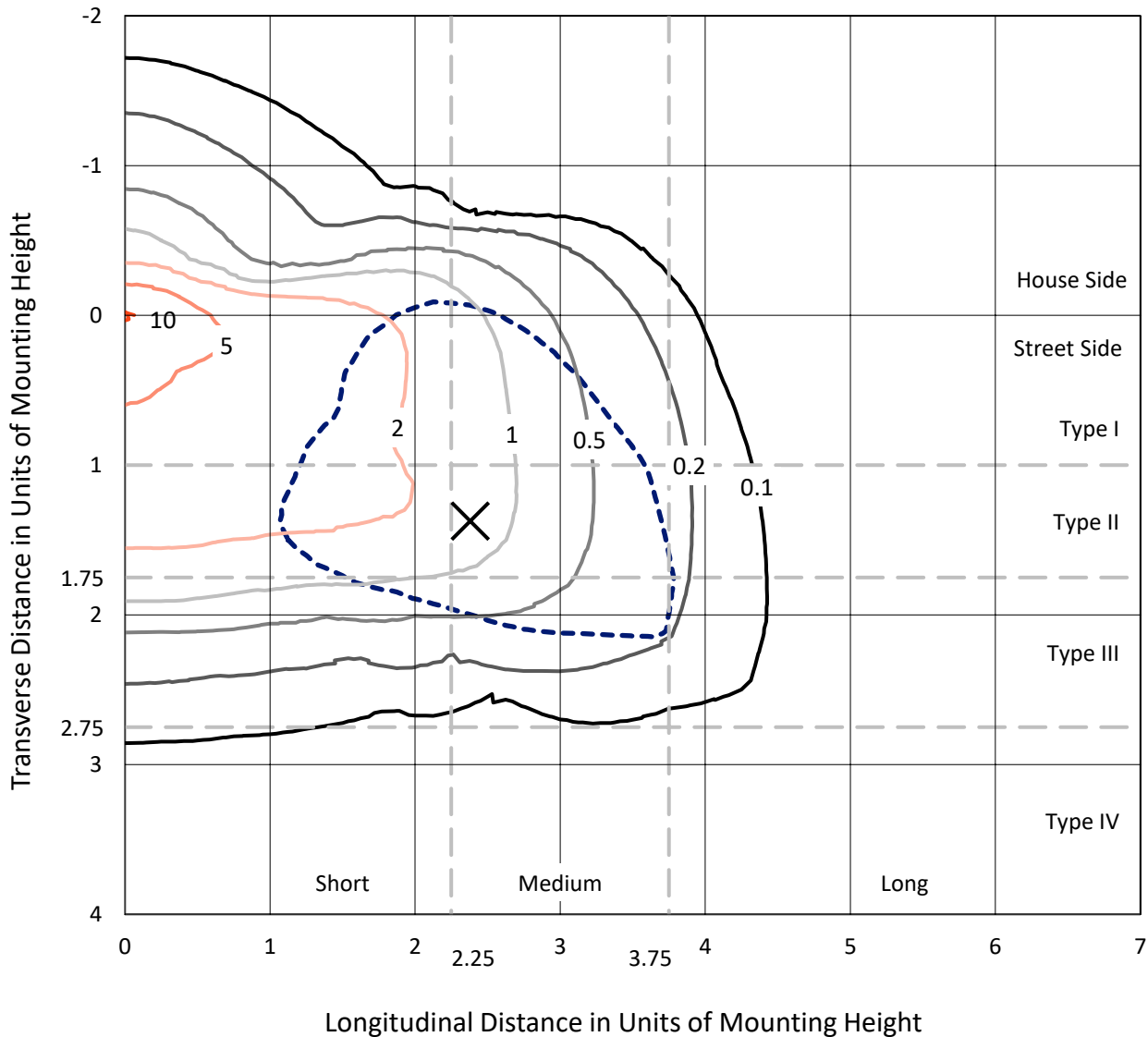
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

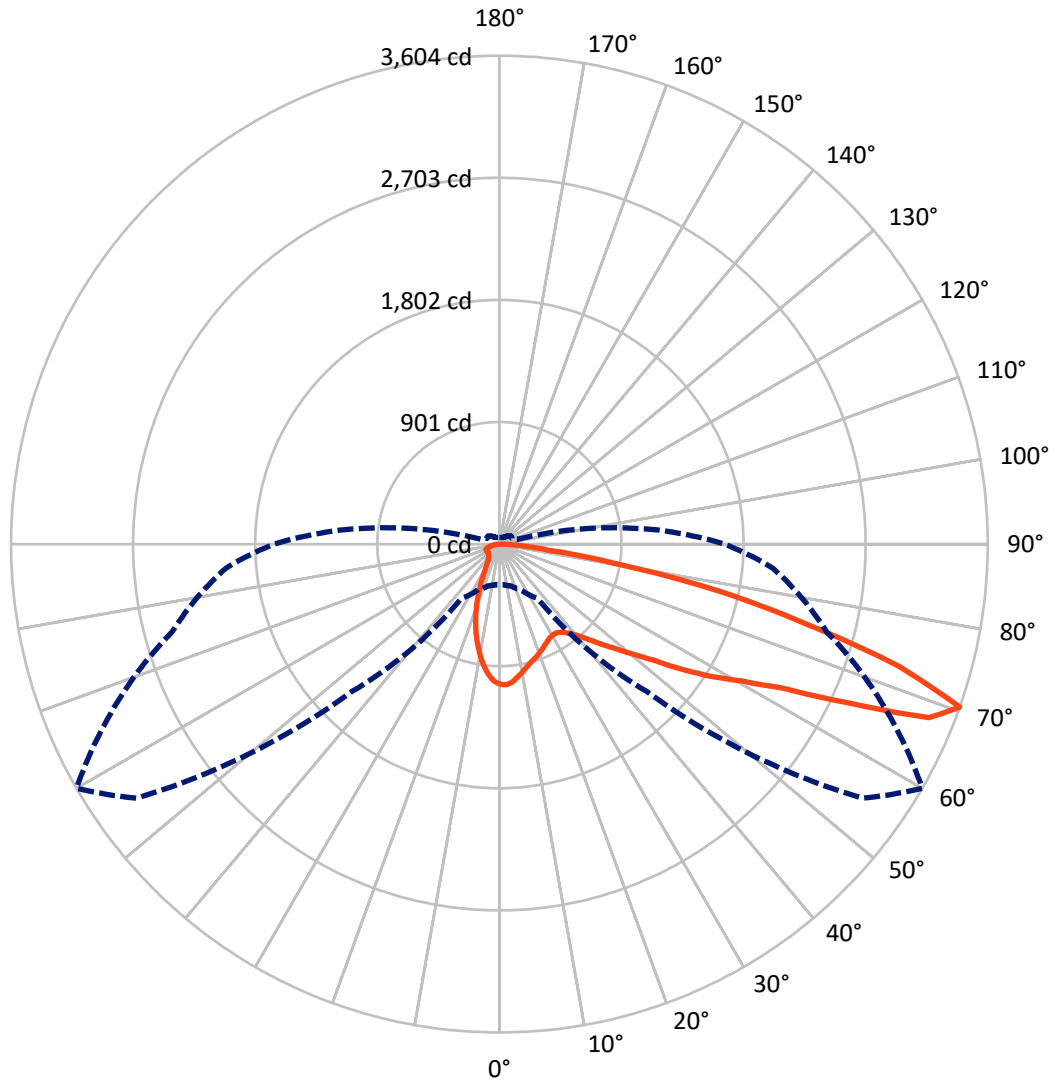
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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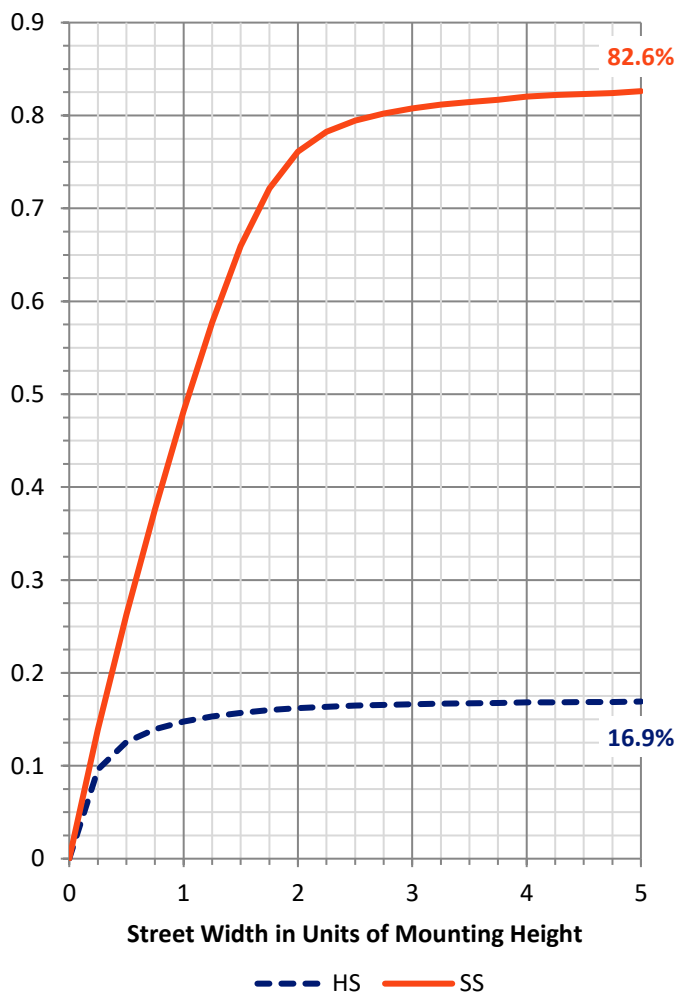
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	639.8	0.0	639.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	3101.4	0.0	3101.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	3741.2	0.0	3741.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	2.4
10°-20°	199.9	5.3
20°-30°	256.0	6.8
30°-40°	336.5	9.0
40°-50°	488.2	13.0
50°-60°	761.6	20.4
60°-70°	997.2	26.7
70°-80°	551.4	14.7
80°-90°	61.2	1.6
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°	3741.2	100.0
0°-180°	3741.2	100.0

Coefficient of Utilization



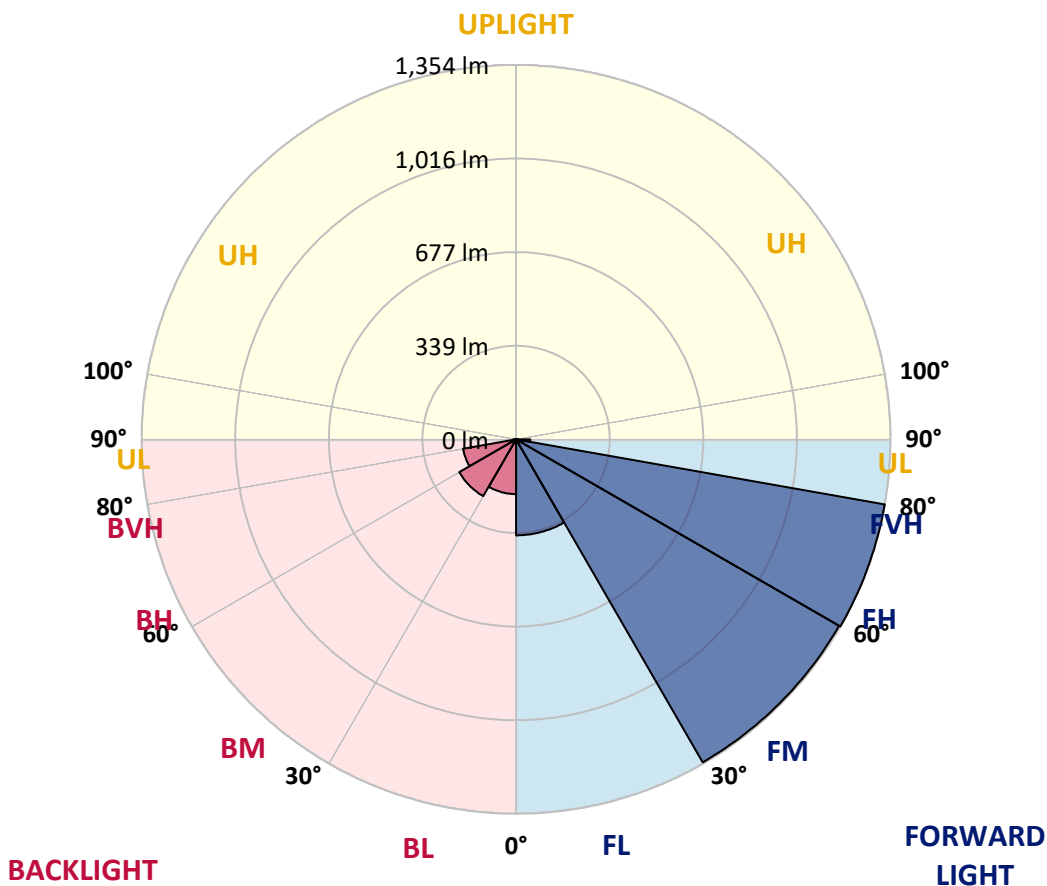
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.2	9.3			
FM (30°-60°)	1349.1	36.1			
FH (60°-80°)	1354.1	36.2			G1/1800
FVH (80°-90°)	51.0	1.4			G1/100
BL (0°-30°)	198.0	5.3	B1/500		
BM (30°-60°)	237.2	6.3	B1/1000		
BH (60°-80°)	194.4	5.2	B1/500		G1/500
BVH (80°-90°)	10.2	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2
2.5°	1020.7	1021.8	1024.8	1029.2	1033.6	1035.8	1041.3	1039.6	1038.5	1036.3	1033.6
5°	975.6	977.8	980.5	989.0	998.6	1006.2	1018.5	1019.9	1020.5	1021.6	1017.2
7.5°	918.1	918.6	925.2	936.4	949.0	962.2	982.7	988.4	993.4	998.8	995.3
10°	854.6	855.9	860.9	877.0	898.6	918.1	945.7	955.3	965.7	977.8	972.8
12.5°	802.6	802.8	810.8	828.0	851.6	877.8	912.3	923.8	937.5	956.4	952.0
15°	761.2	761.2	768.6	783.4	810.5	841.4	882.5	897.3	915.9	941.3	933.7
17.5°	728.4	728.7	733.3	748.9	773.0	807.2	855.9	875.9	896.5	930.1	918.6
20°	711.1	709.8	710.6	720.2	740.7	773.8	829.4	852.7	880.3	922.5	904.9
22.5°	710.3	707.9	704.3	705.1	717.2	744.5	800.9	829.1	863.9	916.2	891.0
25°	724.3	721.5	715.3	708.1	707.0	723.5	774.1	806.1	846.9	913.4	877.6
27.5°	747.8	745.9	737.7	727.0	715.8	715.3	753.8	787.2	834.6	916.2	868.0
30°	779.0	775.7	770.5	756.9	739.9	722.4	745.9	777.1	826.4	924.9	863.9
32.5°	814.3	812.4	807.5	793.8	775.7	747.8	752.2	779.3	826.4	940.3	864.7
35°	851.8	851.6	851.6	842.5	822.6	787.8	777.1	797.9	839.0	964.9	873.5
37.5°	888.2	888.0	896.7	900.0	877.3	839.8	819.5	835.1	866.6	1001.3	895.1
40°	917.8	918.9	938.1	954.5	941.9	907.1	878.7	886.6	911.5	1053.0	932.9
42.5°	947.6	950.7	979.4	1008.4	1013.3	983.2	954.5	959.1	975.8	1121.5	989.3
45°	980.2	981.6	1021.8	1062.3	1086.2	1068.4	1044.8	1051.1	1054.9	1206.0	1073.3
47.5°	1011.7	1015.3	1067.3	1122.8	1168.0	1166.4	1153.2	1151.3	1152.1	1309.0	1172.6
50°	1054.7	1059.9	1120.9	1188.0	1254.2	1284.6	1288.4	1273.9	1267.9	1423.4	1296.4
52.5°	1136.2	1136.2	1191.0	1257.0	1345.9	1421.2	1446.9	1423.1	1403.9	1544.4	1427.8
55°	1238.3	1242.7	1286.2	1339.6	1452.4	1564.9	1651.9	1625.7	1571.5	1676.0	1565.4
57.5°	1283.8	1289.3	1358.2	1441.2	1591.7	1728.3	1849.0	1839.7	1760.6	1812.9	1708.3
60°	1201.7	1213.2	1308.1	1447.2	1717.9	1991.9	2077.0	2049.9	1936.9	1956.6	1863.3
62.5°	1002.4	1015.0	1120.4	1314.4	1700.4	2276.9	2436.5	2336.5	2157.0	2138.1	2069.7
65°	598.1	597.5	724.3	981.6	1484.4	2356.0	3005.3	2818.8	2496.9	2387.2	2282.1
67.5°	380.2	379.4	405.9	520.1	987.9	2162.2	3371.0	3419.4	2958.7	2570.3	2299.6
70°	300.0	299.7	318.9	370.9	488.6	1538.6	3269.1	3604.4	3237.7	2500.5	2024.8
72.5°	218.7	219.3	248.8	310.7	376.9	772.5	2647.2	3084.1	2977.9	2207.3	1643.7
75°	157.1	157.9	175.7	237.9	347.6	422.4	1760.3	2319.0	2265.6	1769.4	1130.8
77.5°	99.9	101.0	116.6	166.7	280.8	341.1	1067.3	1637.2	1507.4	996.9	402.1
80°	61.0	64.6	77.7	124.3	224.5	255.9	533.5	862.5	754.9	273.5	135.2
82.5°	31.5	34.2	46.8	76.9	154.7	224.7	301.9	362.4	233.8	114.4	72.0
85°	9.9	11.5	16.4	31.2	73.6	139.3	199.8	180.1	107.3	53.9	33.4
87.5°	2.5	2.5	2.7	2.7	3.0	6.3	38.6	40.8	28.5	17.0	13.7
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°	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2
2.5°	1028.1	1021.6	1018.8	1018.5	1011.7	1001.8	995.3	990.6	987.9	987.3	987.3
5°	1009.8	1001.3	990.1	981.6	963.2	944.6	929.0	920.3	910.1	908.8	908.5
7.5°	985.4	973.1	951.8	927.9	895.9	865.0	838.7	820.9	803.1	799.8	798.7
10°	959.1	942.4	906.0	864.2	816.3	770.0	729.8	698.3	677.5	662.7	660.0
12.5°	933.1	911.0	857.6	795.2	729.5	666.3	605.8	554.3	517.1	495.4	491.6
15°	908.8	877.8	804.8	725.1	639.7	553.2	467.5	400.7	348.5	329.8	325.5
17.5°	886.6	848.0	753.6	652.6	546.1	433.0	335.6	276.2	245.5	236.2	234.0
20°	864.4	817.4	701.6	576.2	446.7	320.0	245.3	217.3	205.8	202.3	201.2
22.5°	840.6	783.7	644.9	500.9	346.3	239.5	200.6	188.3	184.8	185.0	184.8
25°	816.8	749.5	585.5	419.1	257.9	194.3	175.2	170.5	171.4	173.8	174.4
27.5°	797.1	719.1	527.2	329.3	201.5	167.2	158.2	157.9	161.0	164.2	164.8
30°	782.9	692.0	469.7	253.2	165.9	148.6	145.1	146.7	150.3	152.7	153.6
32.5°	772.7	668.7	408.4	199.0	145.3	135.5	133.9	135.5	137.7	140.1	140.7
35°	769.2	651.7	348.2	162.3	131.4	125.9	124.8	125.6	126.7	128.1	128.7
37.5°	777.1	643.3	285.2	141.2	122.9	119.6	118.0	117.4	117.7	118.3	118.5
40°	800.7	647.1	233.8	128.9	117.4	114.4	111.7	110.6	110.3	110.9	110.6
42.5°	841.2	663.2	196.5	121.8	113.0	108.7	105.7	104.6	104.6	105.9	105.9
45°	900.6	695.0	169.7	116.6	109.2	103.7	100.5	99.9	101.0	103.2	103.5
47.5°	987.6	741.5	153.6	112.8	105.7	99.4	96.1	95.8	98.0	101.6	101.8
50°	1090.8	808.6	144.8	110.0	103.2	95.8	92.5	92.8	95.3	99.1	99.9
52.5°	1215.1	900.0	145.3	108.9	101.8	93.6	90.3	89.8	92.2	96.1	96.9
55°	1343.5	1011.2	156.0	109.2	99.9	92.5	88.1	86.2	88.4	91.2	91.4
57.5°	1484.7	1136.5	182.6	108.7	97.4	91.4	86.2	81.8	83.2	84.9	85.7
60°	1644.0	1284.1	239.8	109.8	96.4	89.0	82.4	76.6	76.4	77.5	77.7
62.5°	1857.0	1484.7	304.1	111.7	98.8	86.0	76.6	70.6	69.5	70.1	70.3
65°	2019.8	1580.5	283.9	110.0	104.0	83.8	71.2	64.9	62.7	62.1	62.1
67.5°	1953.6	1453.8	197.6	105.7	106.5	84.0	66.8	58.9	56.1	54.7	54.5
70°	1662.3	1180.9	137.4	101.3	103.7	83.5	62.1	53.9	50.4	48.4	48.2
72.5°	1313.3	901.7	111.1	92.5	94.2	75.3	55.3	48.4	45.4	43.0	43.0
75°	845.3	550.2	92.8	82.4	76.9	58.6	47.9	43.2	40.2	37.8	37.8
77.5°	284.4	204.2	72.0	69.8	57.5	44.1	40.2	37.2	34.8	32.6	32.3
80°	115.5	96.9	52.8	52.8	40.2	33.7	31.5	30.1	28.5	25.7	25.7
82.5°	67.1	58.9	37.0	32.0	26.8	23.3	21.9	20.5	20.5	18.6	18.6
85°	32.3	32.6	22.2	19.7	15.3	13.4	12.9	12.0	11.8	10.7	10.4
87.5°	17.5	17.8	11.2	8.8	6.0	5.2	4.4	4.1	3.8	3.6	3.6
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)