

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: P630857

Luminaire Tested: GWS-SA1E-740-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5931.9 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

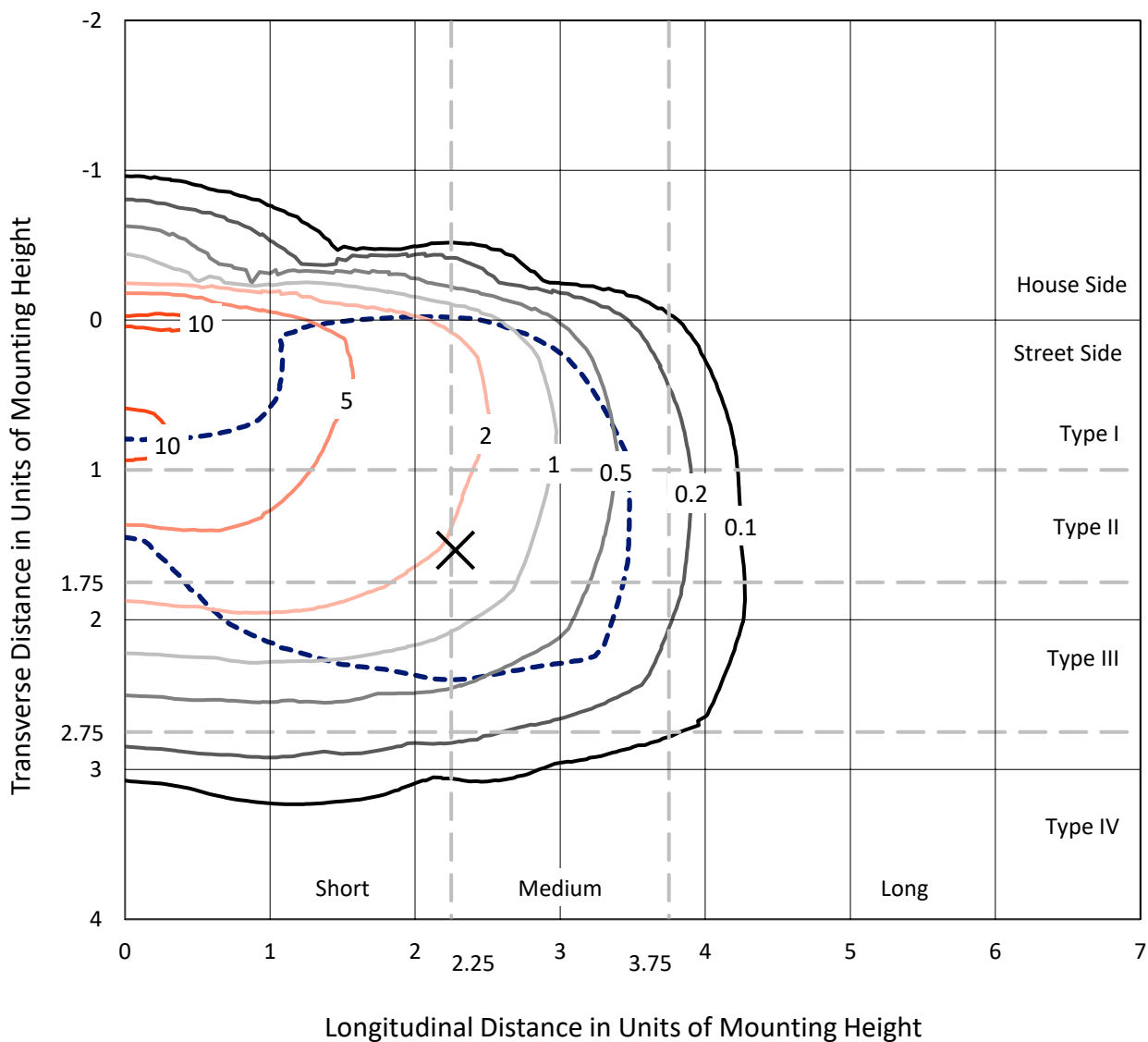
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

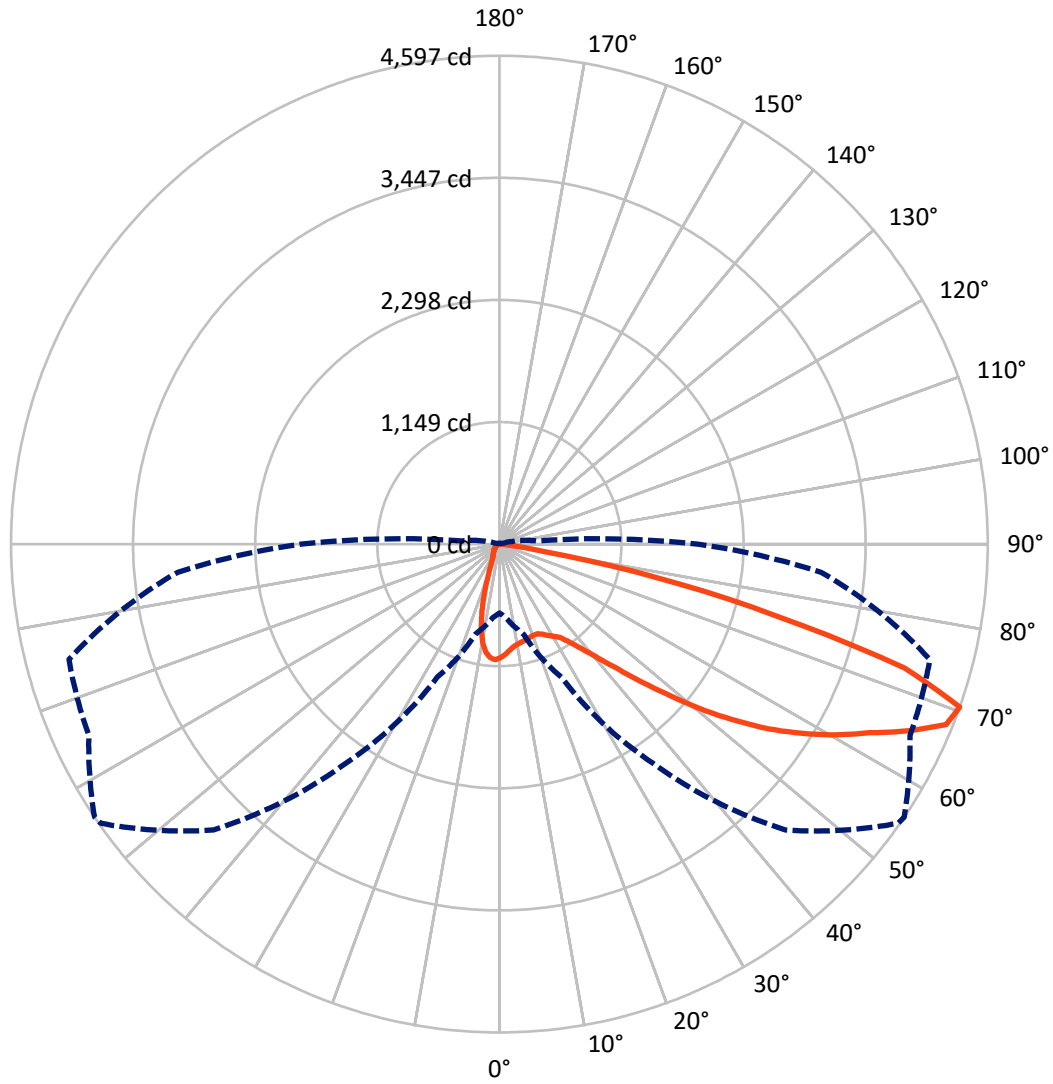
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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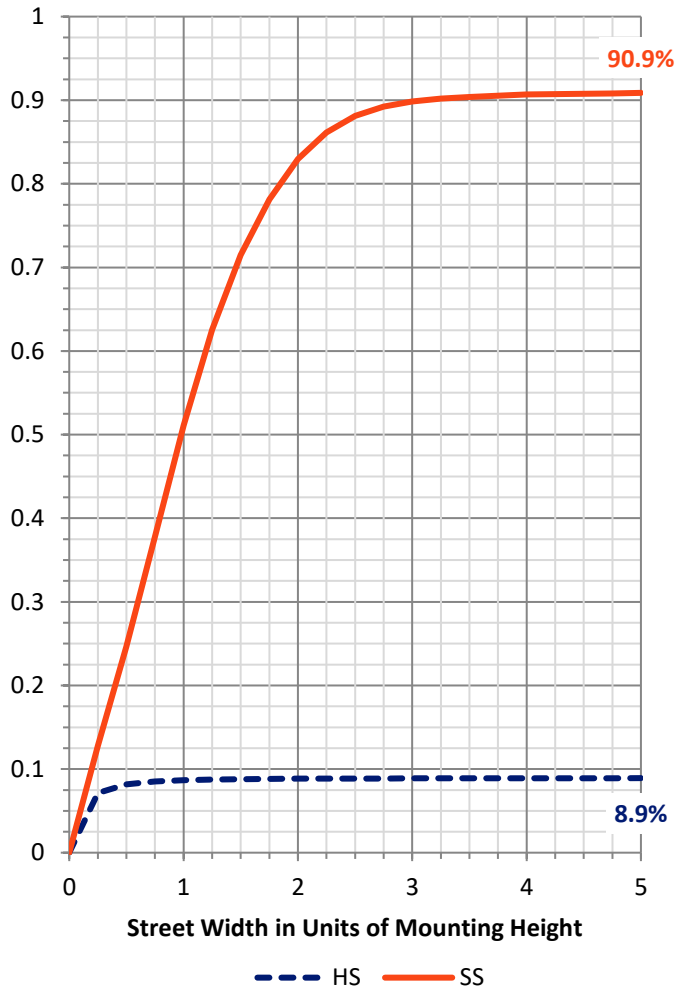
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	532.8	0.0	532.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5399.1	0.0	5399.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	5931.9	0.0	5931.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	1.5
10°-20°	206.5	3.5
20°-30°	327.2	5.5
30°-40°	564.2	9.5
40°-50°	952.7	16.1
50°-60°	1399.9	23.6
60°-70°	1659.6	28.0
70°-80°	707.7	11.9
80°-90°	22.2	0.4
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°	5931.9	100.0
0°-180°	5931.9	100.0

Coefficient of Utilization



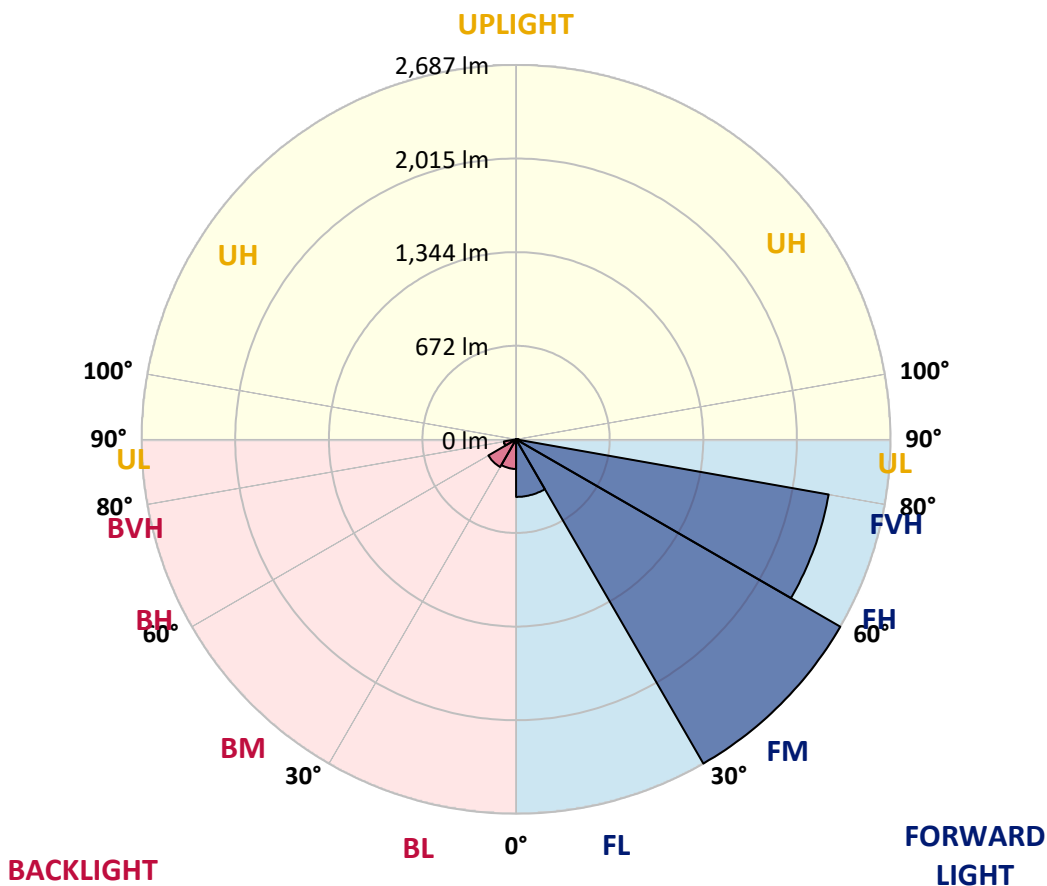
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.3	7.0			
FM (30°-60°)	2687.3	45.3			
FH (60°-80°)	2278.5	38.4			G2/5000
FVH (80°-90°)	20.0	0.3			G1/100
BL (0°-30°)	212.2	3.6	B1/500		
BM (30°-60°)	229.5	3.9	B1/1000		
BH (60°-80°)	88.9	1.5	B0/110		G0/110
BVH (80°-90°)	2.3	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6
2.5°	995.7	994.1	995.2	1003.3	1018.5	1025.6	1037.5	1039.7	1049.5	1062.0	1066.9
5°	931.1	925.6	928.3	939.8	957.1	976.7	999.0	1004.9	1029.4	1057.1	1077.7
7.5°	871.9	865.9	872.4	890.3	914.8	936.0	969.1	972.9	1012.0	1060.9	1098.4
10°	779.0	780.6	793.6	825.1	862.6	906.6	951.2	956.6	1004.9	1073.4	1131.5
12.5°	707.8	704.0	718.1	754.0	806.7	870.8	937.6	944.6	1005.5	1092.4	1173.9
15°	674.7	673.6	679.6	705.6	756.7	832.2	925.1	934.3	1012.5	1109.8	1214.1
17.5°	675.8	674.1	673.6	688.8	726.8	803.4	911.5	923.5	1018.5	1128.8	1256.4
20°	723.0	715.4	701.8	694.8	717.6	784.9	902.3	915.9	1027.2	1148.9	1301.5
22.5°	821.9	824.6	788.2	750.2	739.3	787.1	901.2	916.9	1046.2	1180.4	1356.9
25°	1019.6	1015.3	947.9	862.6	803.4	812.1	920.2	939.2	1083.7	1225.5	1409.1
27.5°	1267.3	1271.1	1178.8	1043.0	919.1	863.7	955.0	974.0	1127.2	1253.7	1443.9
30°	1537.3	1533.5	1434.6	1284.1	1083.2	949.5	989.7	1006.6	1148.9	1268.9	1479.7
32.5°	1792.6	1783.9	1686.1	1528.6	1292.3	1084.8	1037.5	1047.3	1177.7	1302.1	1528.1
35°	2010.4	2009.9	1924.6	1756.7	1507.4	1254.3	1119.6	1127.7	1231.5	1354.8	1599.2
37.5°	2235.3	2227.7	2132.1	1978.9	1728.5	1440.1	1245.0	1241.8	1316.2	1432.4	1686.7
40°	2420.0	2415.1	2341.8	2194.6	1958.3	1645.4	1397.1	1387.4	1416.7	1540.0	1808.3
42.5°	2556.9	2557.4	2534.6	2445.0	2201.6	1882.8	1588.3	1573.1	1572.6	1702.4	1969.1
45°	2660.6	2667.7	2701.9	2688.3	2489.0	2159.3	1833.3	1817.6	1791.0	1913.2	2153.3
47.5°	2709.0	2718.2	2821.4	2875.8	2740.5	2433.6	2125.0	2091.9	2039.8	2193.5	2359.2
50°	2704.1	2720.4	2864.3	3029.5	2968.6	2711.7	2442.8	2427.1	2341.8	2490.1	2562.9
52.5°	2593.3	2628.1	2867.1	3122.9	3144.1	2968.1	2771.5	2742.1	2700.8	2799.7	2754.1
55°	2292.3	2334.7	2752.4	3152.8	3281.0	3191.9	3093.0	3069.1	3000.7	3092.0	2920.8
57.5°	2128.8	2165.2	2511.3	3138.1	3397.2	3398.9	3379.3	3359.8	3303.3	3380.9	3116.4
60°	2030.5	2066.9	2382.5	3084.3	3502.6	3617.2	3648.2	3646.0	3564.5	3709.6	3345.6
62.5°	1886.6	1936.5	2248.3	2944.7	3577.6	3832.3	3925.8	3911.1	3820.4	4051.8	3572.7
65°	1596.0	1639.4	1973.5	2714.4	3533.6	4010.5	4226.7	4234.3	4129.5	4373.9	3752.0
67.5°	1119.0	1151.1	1483.0	2231.0	3234.8	4069.2	4534.7	4534.2	4355.5	4539.1	3672.6
70°	648.6	692.6	876.2	1379.2	2516.7	3802.5	4580.9	4596.6	4263.7	4194.1	3039.3
72.5°	251.0	287.4	496.5	732.8	1312.4	2912.7	3940.4	3986.6	3568.3	3235.4	2115.3
75°	75.0	83.7	233.6	390.0	526.9	1406.9	2667.7	2680.7	2447.7	2018.0	1084.2
77.5°	56.0	61.9	102.1	197.2	184.7	426.4	1380.3	1507.4	1299.4	720.8	298.8
80°	38.0	45.1	72.8	96.1	68.4	113.5	387.9	425.9	396.5	161.9	75.0
82.5°	16.8	21.7	51.6	48.3	25.0	32.6	119.5	127.1	82.0	48.9	26.1
85°	1.6	2.2	19.6	21.2	9.2	7.6	25.0	25.0	17.9	16.8	10.9
87.5°	0.0	0.0	0.5	1.1	1.1	1.6	2.2	2.7	3.3	4.3	5.4
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°	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6	1069.6
2.5°	1079.4	1072.8	1081.0	1087.5	1089.1	1077.2	1070.1	1059.8	1057.6	1058.2	1055.5
5°	1094.0	1090.8	1096.7	1089.7	1071.2	1036.4	1006.6	973.4	955.5	945.2	944.1
7.5°	1121.2	1119.6	1113.0	1081.0	1023.4	946.3	871.9	799.1	754.0	737.7	735.0
10°	1161.4	1158.1	1131.5	1055.5	932.7	784.4	659.5	555.2	491.6	473.1	450.3
12.5°	1207.6	1201.0	1142.9	1000.6	795.8	590.5	434.6	317.8	262.9	246.6	246.6
15°	1252.1	1238.0	1136.4	909.9	627.4	384.0	242.8	183.6	166.8	162.4	162.4
17.5°	1297.7	1270.6	1110.9	786.0	433.5	227.1	161.9	150.5	148.3	148.8	149.4
20°	1340.6	1298.3	1065.8	637.2	276.5	158.6	145.0	142.3	141.2	142.3	141.8
22.5°	1387.4	1323.8	997.3	474.8	179.8	142.9	138.0	135.8	134.7	136.3	136.3
25°	1433.5	1342.3	906.6	319.4	142.9	133.1	130.4	128.2	127.1	127.7	127.7
27.5°	1457.4	1335.2	787.7	203.7	128.2	123.3	120.6	117.9	116.2	115.7	116.2
30°	1473.7	1313.5	642.1	145.0	116.2	110.3	107.6	105.4	101.0	98.3	99.4
32.5°	1499.3	1291.8	484.0	121.7	106.5	97.2	92.9	87.5	81.5	78.8	78.8
35°	1529.7	1261.9	339.5	109.7	96.1	86.4	78.2	69.0	61.9	59.8	59.8
37.5°	1569.9	1233.6	226.0	101.6	87.5	77.1	65.7	54.9	47.3	46.2	45.6
40°	1630.2	1209.7	159.2	95.6	79.9	67.4	53.8	42.4	36.9	35.3	35.3
42.5°	1708.4	1185.3	126.0	89.6	73.3	58.1	42.9	33.7	29.3	28.2	27.7
45°	1805.1	1156.5	109.7	84.2	66.8	48.3	34.2	28.2	25.0	23.9	23.9
47.5°	1909.9	1117.4	102.1	77.1	59.2	39.1	28.8	24.4	22.8	22.3	21.7
50°	2013.1	1064.7	95.6	70.6	50.5	32.0	25.0	22.3	21.2	20.6	20.6
52.5°	2103.3	1003.3	87.5	63.0	41.3	27.7	22.3	20.6	19.6	18.5	17.9
55°	2180.4	936.5	77.1	54.3	33.7	24.4	20.6	19.0	17.9	16.8	16.3
57.5°	2279.9	898.5	61.9	44.0	27.7	21.7	19.0	17.4	16.3	14.7	14.7
60°	2390.1	870.8	46.2	34.8	23.9	20.1	17.4	15.8	14.7	13.0	13.0
62.5°	2478.7	829.5	36.4	28.2	20.6	17.9	15.8	14.1	13.0	11.4	11.4
65°	2512.3	744.2	29.9	22.3	16.8	15.8	14.1	13.0	11.4	9.8	9.8
67.5°	2360.2	573.6	25.0	17.9	14.1	13.6	12.5	12.0	9.8	8.7	8.1
70°	1869.2	349.8	20.6	14.7	12.0	11.4	11.4	10.3	8.7	8.1	7.6
72.5°	1280.9	180.3	16.8	12.0	10.3	10.3	9.8	9.2	8.1	7.6	7.6
75°	665.4	60.3	13.0	9.2	8.1	8.7	8.7	8.1	7.6	7.6	7.1
77.5°	190.7	27.2	9.8	7.1	6.5	6.5	7.1	7.1	7.1	6.5	6.5
80°	49.4	15.8	7.1	5.4	5.4	5.4	5.4	6.0	6.5	6.0	6.0
82.5°	20.1	8.7	4.9	4.3	4.3	4.3	4.3	4.9	5.4	5.4	5.4
85°	12.5	4.3	3.8	3.8	3.8	3.3	3.3	3.8	3.8	4.3	4.3
87.5°	7.6	3.3	3.3	3.3	3.3	2.7	2.7	2.7	2.7	2.7	2.7
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)