

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: P631340

Luminaire Tested: GWS-SA1F-740-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-740-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6310.8 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

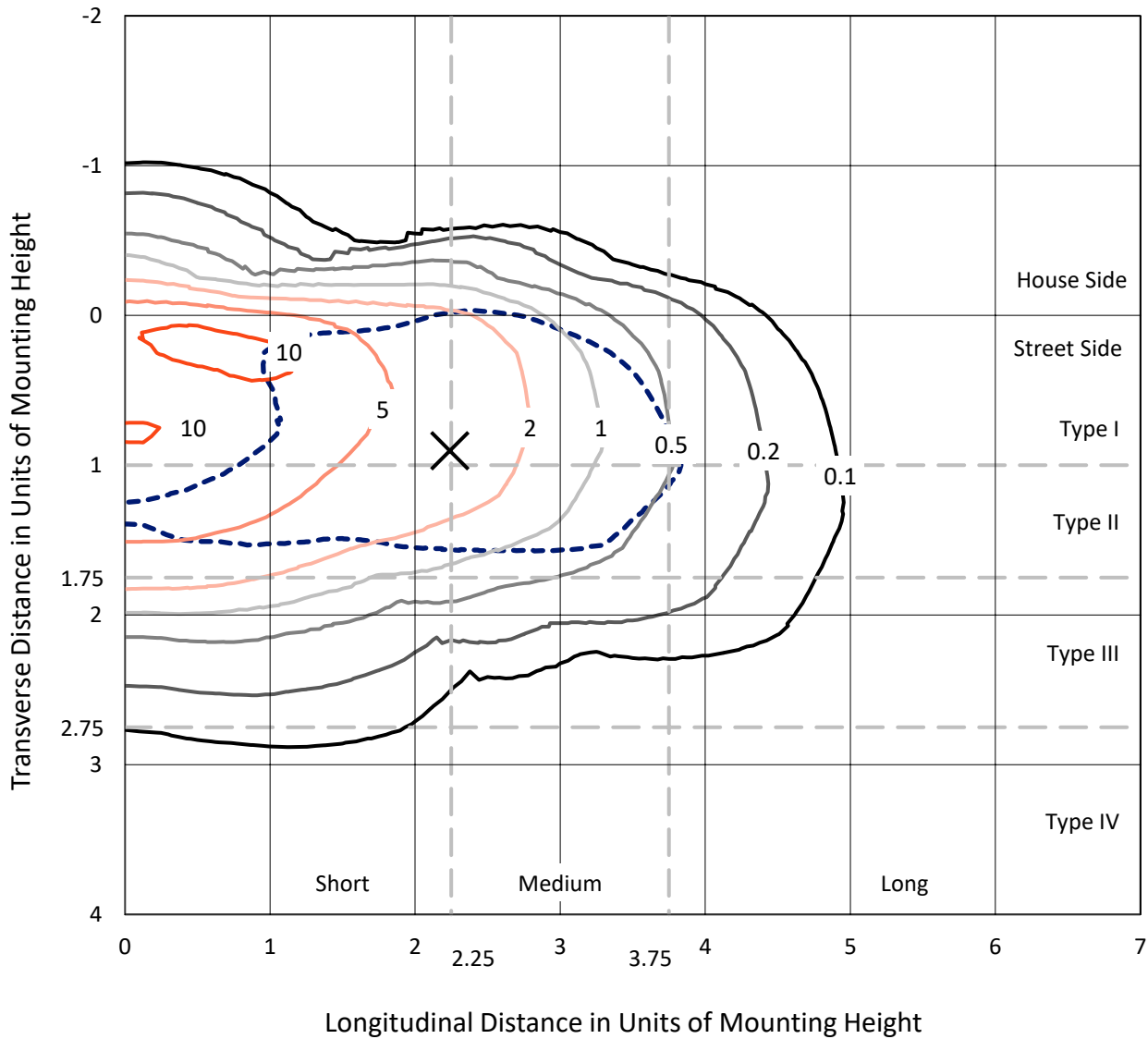
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631340
 CATALOG NUMBER: GWS-SA1F-740-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

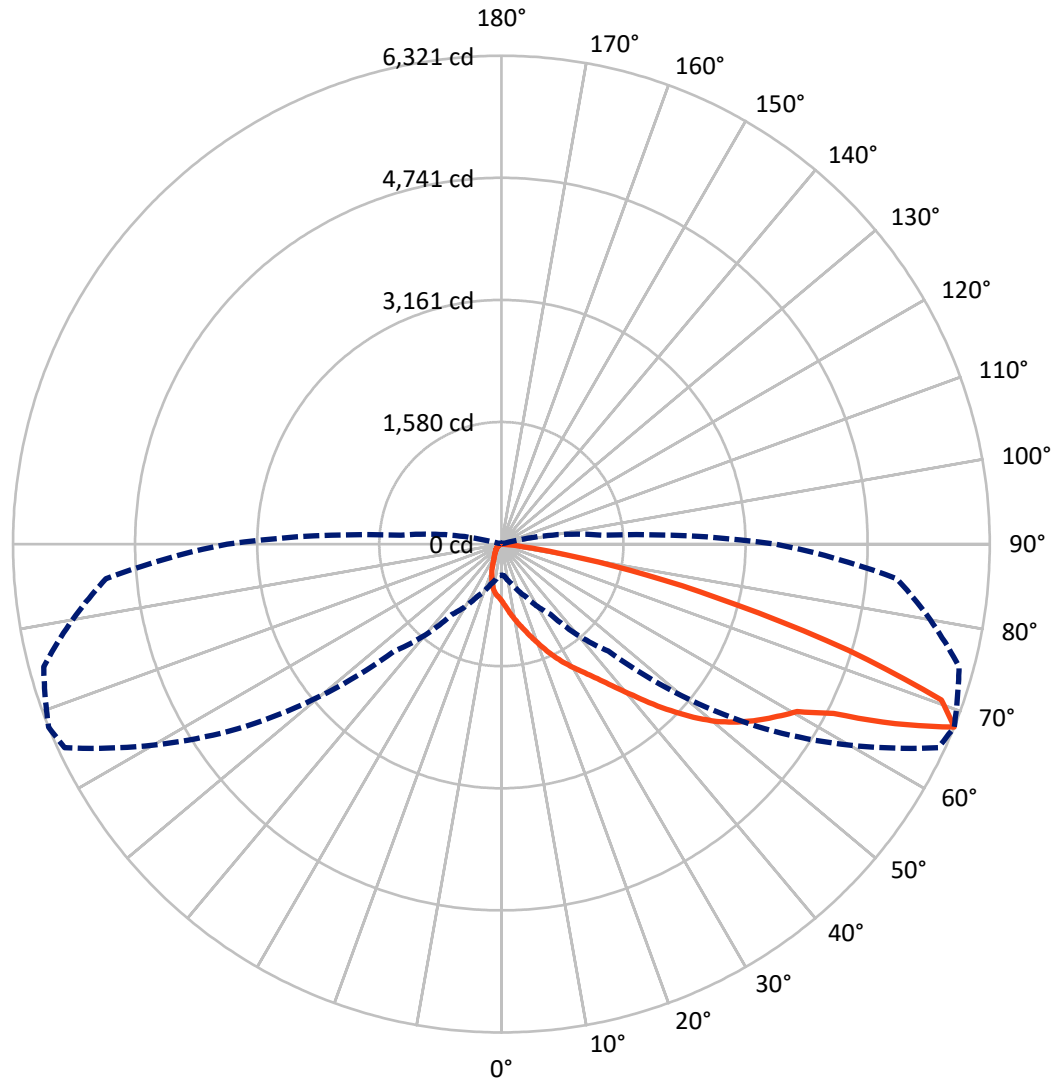
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type II - Short - N/A

REPORT NUMBER: P631340
CATALOG NUMBER: GWS-SA1F-740-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P631340

CATALOG NUMBER: GWS-SA1F-740-U-T2-W-HSS

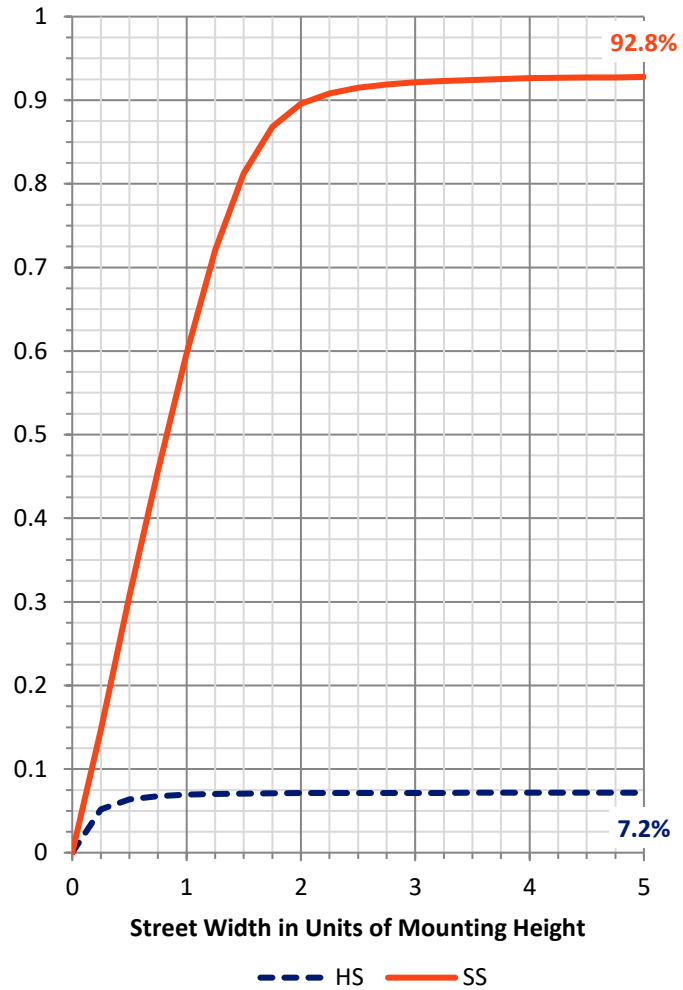
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	455.7	0.0	455.7
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	5855.1	0.0	5855.1
	% Fixture	92.8	0.0	92.8
Total	Lumens	6310.8	0.0	6310.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	1.1
10°-20°	205.7	3.3
20°-30°	353.5	5.6
30°-40°	614.6	9.7
40°-50°	1072.4	17.0
50°-60°	1617.4	25.6
60°-70°	1621.8	25.7
70°-80°	715.6	11.3
80°-90°	38.2	0.6
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°	6310.8	100.0
0°-180°	6310.8	100.0

Coefficient of Utilization



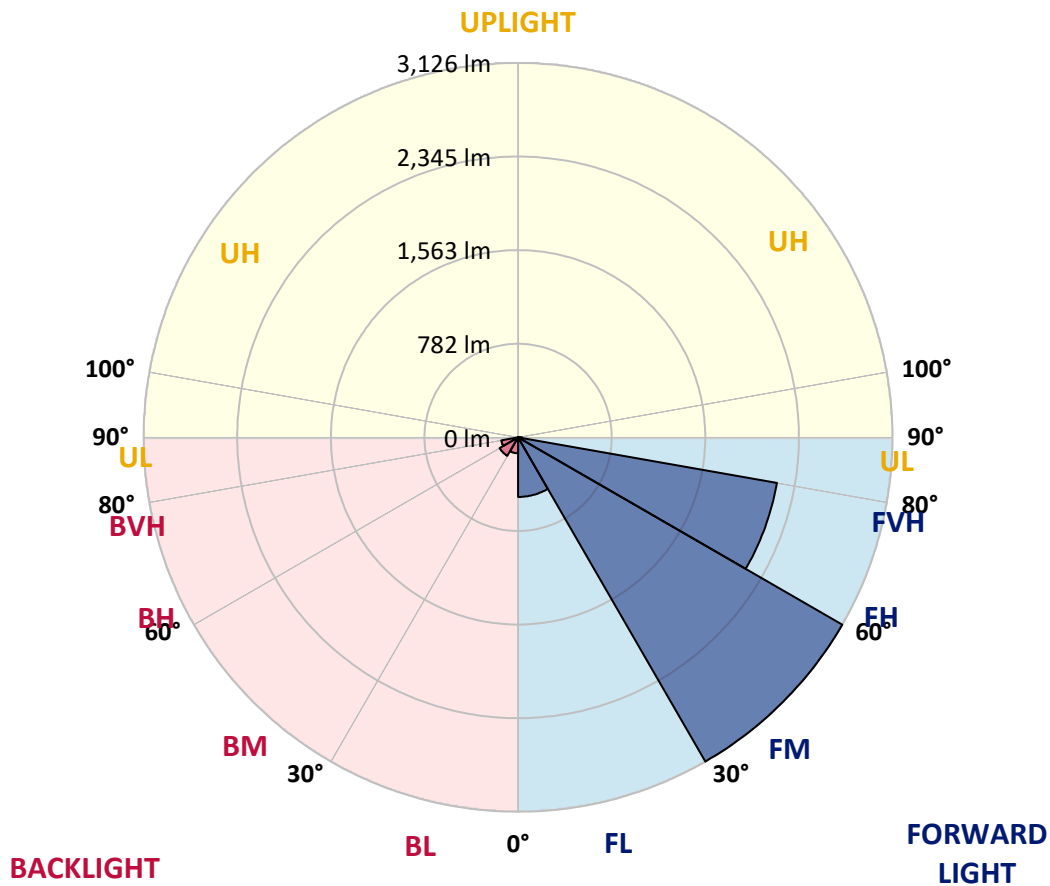
REPORT NUMBER: P631340

CATALOG NUMBER: GWS-SA1F-740-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.5	7.9			
FM (30°-60°)	3126.4	49.5			
FH (60°-80°)	2195.2	34.8			G2/5000
FVH (80°-90°)	36.1	0.6			G1/100
BL (0°-30°)	133.3	2.1	B1/500		
BM (30°-60°)	178.0	2.8	B0/220		
BH (60°-80°)	142.2	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	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 II Short





REPORT NUMBER: P631340

CATALOG NUMBER: GWS-SA1F-740-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4
2.5°	855.2	860.6	855.2	856.4	840.7	833.5	817.8	796.0	790.6	776.7	755.6
5°	959.7	964.5	959.1	957.9	939.8	926.5	900.5	863.1	852.2	825.0	783.3
7.5°	1016.5	1019.5	1021.3	1024.3	1017.7	1006.8	983.2	936.7	925.3	881.2	822.6
10°	1022.5	1024.9	1034.0	1052.1	1065.4	1072.0	1058.7	1015.9	997.7	954.9	870.9
12.5°	1005.6	1009.2	1023.7	1053.9	1090.8	1124.6	1133.0	1095.6	1079.3	1024.3	927.7
15°	983.2	986.3	1006.2	1047.3	1102.8	1165.0	1200.1	1183.8	1165.6	1108.3	990.5
17.5°	948.8	953.1	980.8	1036.4	1108.3	1197.1	1272.5	1278.0	1265.3	1203.1	1060.0
20°	929.5	932.5	957.3	1014.7	1104.6	1220.6	1340.2	1391.5	1377.6	1312.4	1139.7
22.5°	945.8	948.2	964.5	1009.2	1092.6	1233.9	1403.0	1505.1	1497.2	1429.6	1223.6
25°	1031.6	1039.4	1029.8	1037.6	1098.0	1241.1	1453.7	1618.6	1620.4	1552.2	1310.6
27.5°	1205.5	1195.2	1172.3	1133.0	1140.3	1260.5	1497.2	1725.5	1741.2	1671.8	1387.9
30°	1382.5	1376.4	1362.5	1301.5	1250.8	1303.3	1534.1	1834.8	1859.6	1789.5	1456.8
32.5°	1581.2	1587.2	1562.4	1489.4	1403.0	1390.3	1572.1	1938.7	1985.2	1923.0	1537.7
35°	1818.5	1820.3	1771.4	1690.5	1592.6	1534.1	1640.4	2053.5	2139.2	2093.3	1645.8
37.5°	2049.8	2060.7	2034.1	1906.7	1819.7	1712.8	1753.3	2200.8	2321.6	2303.5	1781.7
40°	2254.6	2271.5	2263.0	2139.8	2025.7	1935.7	1928.4	2373.6	2542.1	2562.6	1961.1
42.5°	2417.7	2428.5	2435.2	2347.6	2246.7	2196.0	2144.7	2574.1	2802.4	2886.3	2180.9
45°	2589.8	2593.4	2607.3	2548.1	2459.9	2464.2	2400.1	2817.5	3076.6	3245.1	2433.4
47.5°	2809.0	2821.1	2814.5	2752.3	2672.5	2720.2	2664.1	3068.1	3347.2	3628.0	2691.9
50°	3076.0	3088.7	3082.6	3010.1	2921.4	2941.3	2906.3	3311.5	3608.1	3989.2	2906.9
52.5°	3213.7	3223.9	3298.8	3331.4	3284.9	3158.1	3112.8	3579.1	3828.5	4286.3	3104.4
55°	3147.2	3154.5	3317.6	3455.3	3625.6	3498.7	3320.6	3785.6	4023.0	4518.2	3251.1
57.5°	2871.8	2911.1	3132.7	3365.9	3724.0	3835.2	3657.6	4010.3	4210.2	4679.5	3395.5
60°	2307.1	2305.3	2623.0	3041.5	3532.0	3927.6	4133.5	4314.1	4398.0	4803.3	3588.7
62.5°	1275.0	1286.4	1709.2	2260.6	2998.1	3688.4	4490.5	4838.9	4826.3	5019.5	3891.3
65°	634.8	657.7	887.2	1294.9	1994.9	3048.2	4552.1	5639.8	5603.6	5528.7	4516.4
67.5°	402.8	411.9	538.7	752.5	1108.9	1959.2	4168.5	6237.1	6321.1	6132.6	5136.7
70°	260.9	276.0	374.5	514.6	669.2	1009.8	3053.6	5850.0	6042.6	6066.2	4750.2
72.5°	141.9	152.8	239.2	367.2	483.2	504.9	1715.2	4390.2	4700.0	5145.7	3716.2
75°	80.9	88.8	131.1	249.4	354.5	307.4	760.4	2938.9	3136.4	3677.5	2662.9
77.5°	48.9	55.6	73.7	121.4	222.3	205.3	287.5	1788.9	1914.6	2194.2	1397.6
80°	22.3	26.6	46.5	67.0	121.4	97.2	109.9	834.1	861.2	900.5	462.6
82.5°	10.3	12.1	21.1	39.9	68.9	56.2	42.3	192.7	271.2	256.7	117.8
85°	1.2	1.2	7.9	16.3	19.3	14.5	17.5	43.5	55.0	77.3	33.8
87.5°	0.0	0.0	0.6	0.6	1.2	1.8	3.6	5.4	7.9	12.7	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631340
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4	734.4
2.5°	745.9	729.0	713.9	691.5	676.4	659.5	648.1	634.2	628.7	624.5	618.5
5°	762.8	735.6	698.8	657.7	623.9	591.9	562.3	543.0	526.1	523.6	515.2
7.5°	790.6	750.1	687.9	620.9	563.5	510.3	468.7	434.9	417.9	412.5	402.8
10°	827.4	771.9	671.6	568.9	486.2	422.8	375.7	337.6	311.0	301.4	294.1
12.5°	868.5	791.8	645.6	504.9	410.7	338.2	278.4	238.0	221.0	215.0	209.6
15°	915.6	810.5	604.6	440.9	337.0	248.8	206.6	189.0	181.8	180.0	178.2
17.5°	960.9	822.6	555.6	374.5	259.1	193.3	173.3	166.7	164.9	163.1	161.9
20°	1012.2	831.1	498.3	311.6	201.1	163.7	154.0	149.2	145.6	141.9	141.3
22.5°	1064.8	831.1	436.1	250.0	168.5	146.8	135.9	126.8	120.2	116.6	115.4
25°	1114.9	819.6	374.5	199.9	148.6	130.5	116.6	106.3	97.2	93.0	91.8
27.5°	1150.5	790.0	320.7	169.1	134.7	116.0	99.0	87.6	80.3	76.1	75.5
30°	1172.9	745.9	271.2	151.0	122.6	100.9	84.0	74.3	68.9	65.8	64.6
32.5°	1189.8	691.5	227.1	138.3	111.1	87.6	73.1	65.2	60.4	58.0	57.4
35°	1223.6	640.2	194.5	126.8	99.0	76.7	64.0	58.0	54.4	51.3	50.7
37.5°	1270.7	597.3	168.5	116.6	87.6	68.2	58.0	52.5	49.5	46.5	45.9
40°	1340.2	570.1	149.2	106.3	77.3	61.6	53.1	48.3	44.1	41.1	40.5
42.5°	1447.1	557.5	136.5	96.0	68.2	55.6	48.9	42.9	38.7	35.6	35.0
45°	1574.5	564.1	125.6	85.8	62.2	51.3	43.5	37.4	33.2	30.2	29.6
47.5°	1711.0	587.7	116.6	76.1	56.2	47.1	38.7	32.0	28.4	25.4	24.8
50°	1853.6	626.3	108.7	67.0	51.3	42.3	33.2	27.8	24.2	21.7	21.1
52.5°	1977.4	678.9	100.9	60.4	47.1	37.4	29.0	24.2	20.5	18.1	17.5
55°	2095.7	728.4	94.8	54.4	42.3	32.6	25.4	20.5	17.5	15.1	14.5
57.5°	2224.4	780.9	87.6	48.9	38.0	29.0	22.3	17.5	15.1	12.7	12.1
60°	2411.6	858.8	76.7	44.7	33.2	25.4	19.3	15.7	13.3	10.3	9.7
62.5°	2681.6	1000.8	64.6	38.7	28.4	21.7	16.3	13.3	10.9	8.5	7.2
65°	3186.5	1242.3	53.1	32.0	23.0	18.1	13.9	10.9	8.5	6.0	5.4
67.5°	3550.1	1305.2	42.9	26.0	18.7	13.9	11.5	8.5	6.0	4.2	3.6
70°	3103.8	937.3	33.2	21.1	15.7	10.9	9.1	6.6	4.2	3.0	2.4
72.5°	2338.5	612.4	24.8	16.3	12.1	9.1	6.6	5.4	3.6	2.4	1.8
75°	1648.2	353.9	18.1	12.1	8.5	6.6	5.4	4.2	3.0	1.8	1.8
77.5°	844.9	146.2	12.7	8.5	6.0	4.2	3.6	2.4	2.4	1.8	1.2
80°	256.7	48.3	7.2	5.4	4.2	3.0	1.8	1.8	1.8	1.2	0.6
82.5°	58.6	15.7	4.2	4.2	3.0	2.4	1.8	0.6	0.6	0.0	0.0
85°	15.1	4.8	3.6	3.0	3.0	2.4	1.2	0.6	0.0	0.0	0.0
87.5°	5.4	3.0	3.0	3.0	2.4	1.8	1.2	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)