

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: P631456

Luminaire Tested: GWS-SA1F-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5248.8 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

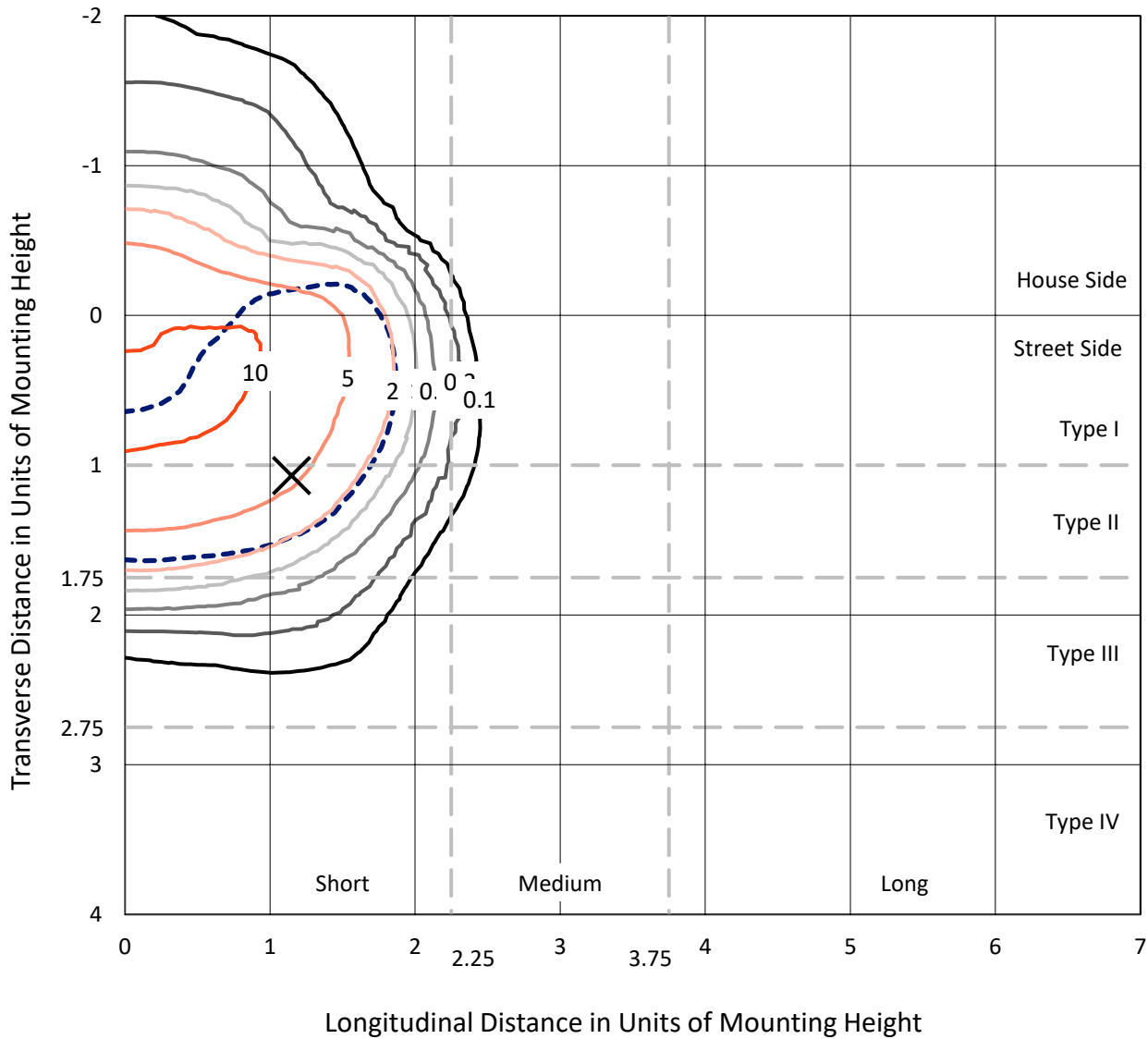
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

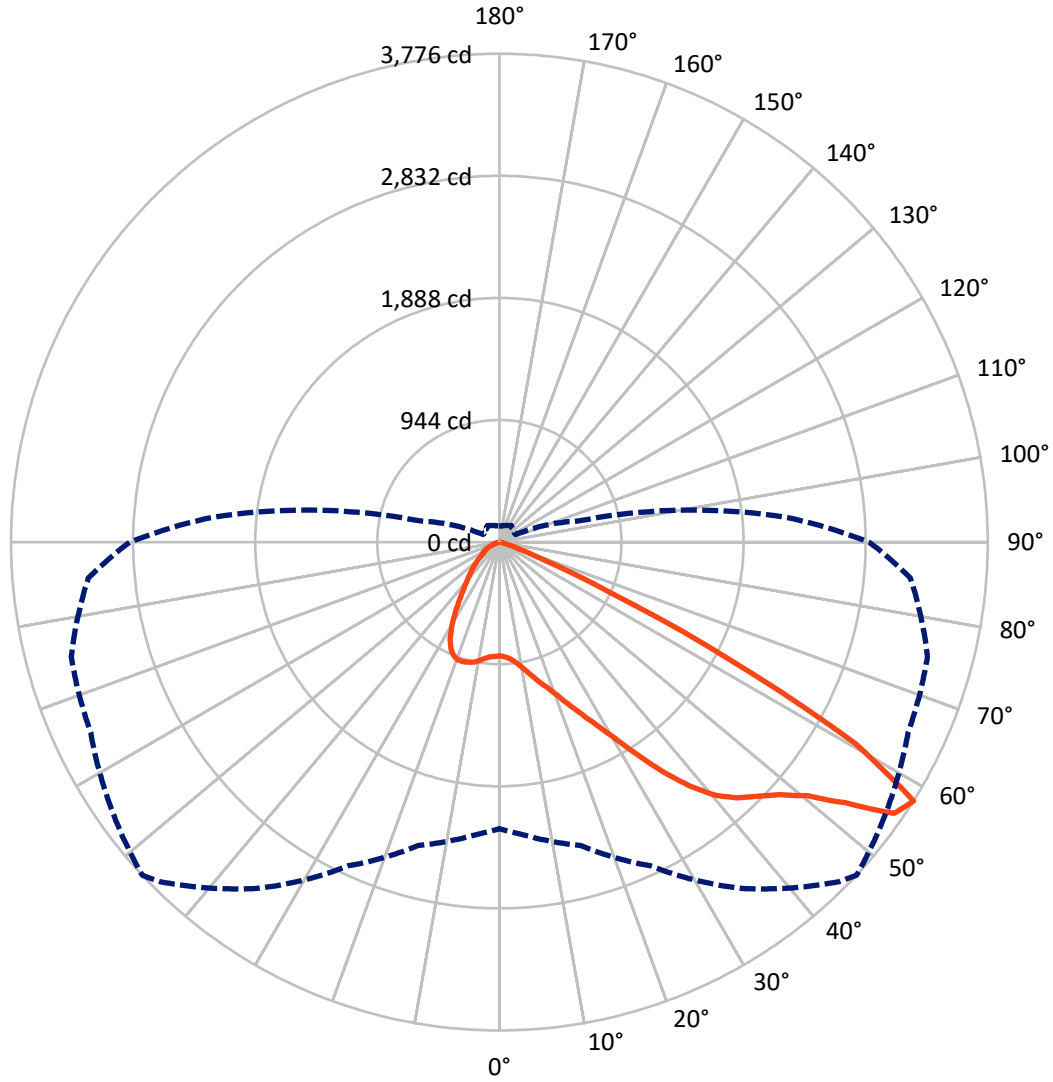
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type II - Short - N/A

REPORT NUMBER: P631456
CATALOG NUMBER: GWS-SA1F-760-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P631456

CATALOG NUMBER: GWS-SA1F-760-U-T3-W-GRSBK

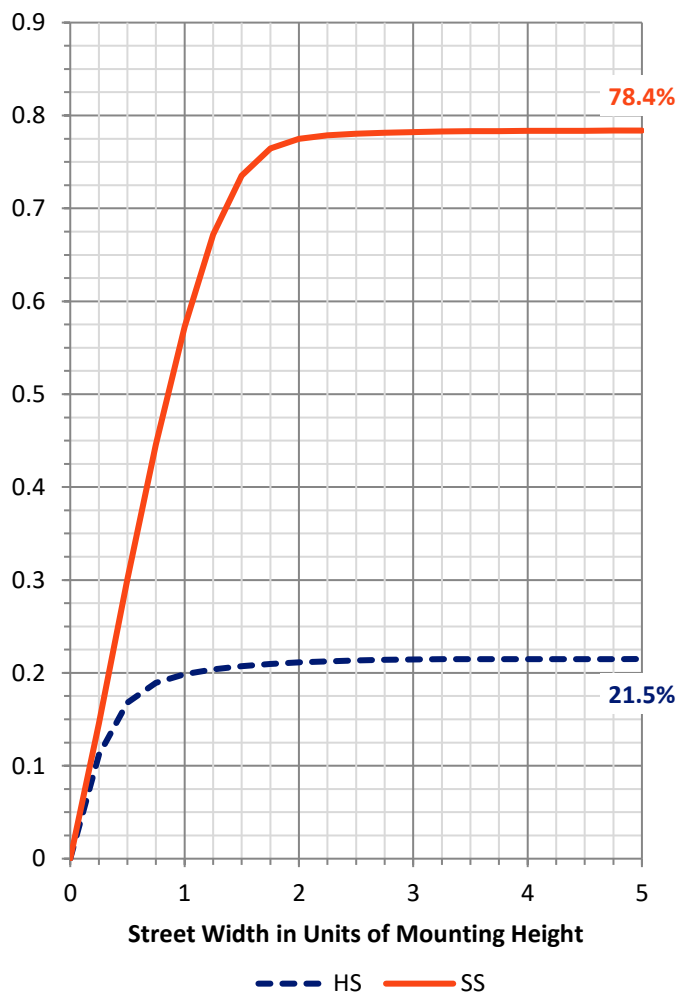
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1138.7	0.0	1138.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4110.1	0.0	4110.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	5248.8	0.0	5248.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	1.7
10°-20°	295.0	5.6
20°-30°	547.7	10.4
30°-40°	876.7	16.7
40°-50°	1281.6	24.4
50°-60°	1581.7	30.1
60°-70°	528.5	10.1
70°-80°	49.2	0.9
80°-90°	1.0	0.0
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°	5248.8	100.0
0°-180°	5248.8	100.0

Coefficient of Utilization



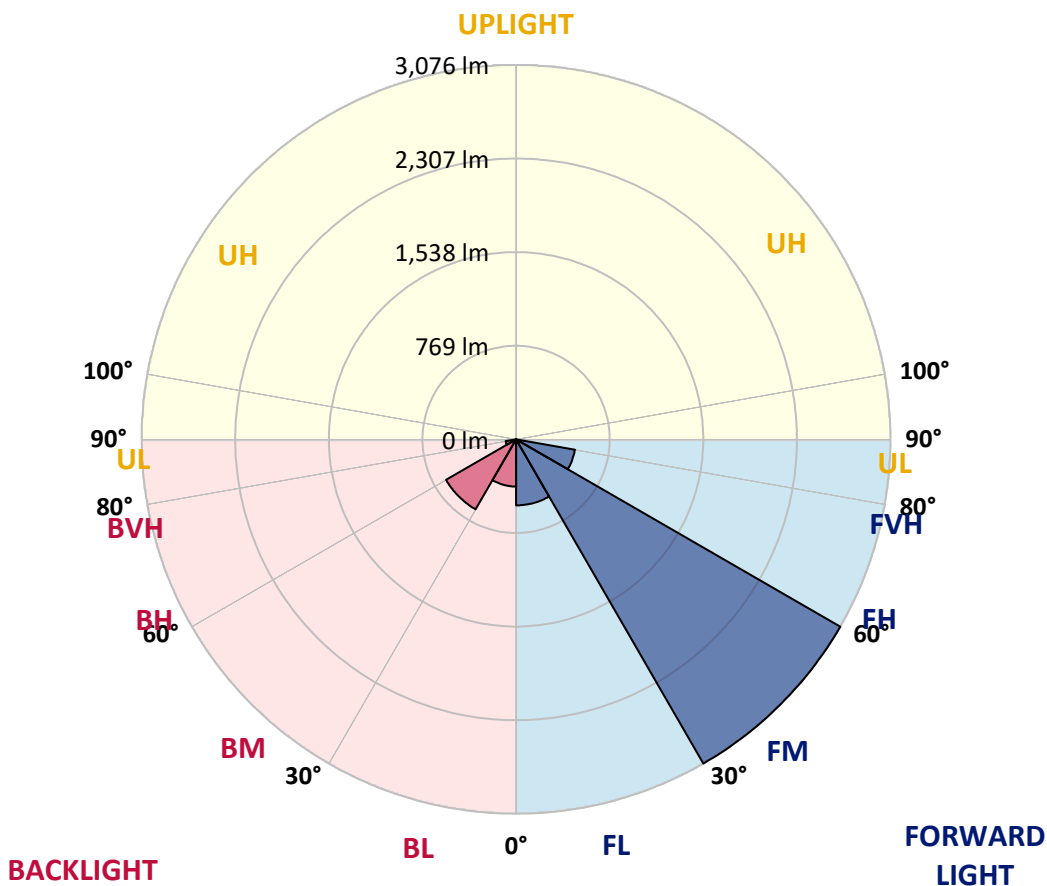
REPORT NUMBER: P631456

CATALOG NUMBER: GWS-SA1F-760-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	542.4	10.3			
FM (30°-60°)	3075.8	58.6			
FH (60°-80°)	491.2	9.4			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	387.6	7.4	B1/500		
BM (30°-60°)	664.2	12.7	B1/1000		
BH (60°-80°)	86.6	1.6	B0/110		G0/110
BVH (80°-90°)	0.3	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7
2.5°	887.8	887.2	886.6	890.2	889.0	888.4	889.6	889.6	889.6	886.0	878.7
5°	909.1	909.1	908.5	912.2	909.1	907.3	907.9	907.9	905.5	898.8	889.6
7.5°	942.6	941.4	940.2	943.9	940.8	940.2	941.4	937.8	933.5	922.5	909.7
10°	990.8	990.8	988.9	992.6	990.2	988.9	988.9	986.5	978.6	961.5	942.6
12.5°	1057.2	1054.1	1049.9	1046.8	1045.6	1045.0	1045.6	1042.0	1033.4	1011.5	985.3
15°	1129.7	1127.3	1120.6	1115.7	1109.0	1107.8	1111.4	1108.4	1099.8	1070.0	1032.8
17.5°	1221.1	1224.1	1207.1	1196.7	1177.2	1176.0	1177.2	1182.1	1176.0	1137.6	1083.4
20°	1299.1	1301.5	1288.7	1281.4	1263.8	1255.8	1258.3	1266.2	1259.5	1214.4	1138.8
22.5°	1382.6	1385.6	1372.2	1357.0	1349.1	1349.1	1358.2	1369.2	1360.0	1300.9	1202.2
25°	1482.5	1484.9	1474.0	1453.9	1439.8	1457.5	1470.9	1500.2	1484.9	1404.5	1277.2
27.5°	1597.1	1597.7	1581.8	1561.1	1553.8	1586.7	1600.1	1645.2	1639.1	1520.9	1356.4
30°	1719.5	1720.1	1716.5	1702.5	1695.8	1739.0	1757.3	1822.5	1818.2	1665.3	1464.2
32.5°	1846.9	1846.9	1853.6	1852.4	1860.3	1931.0	1960.2	2034.6	2030.3	1842.0	1598.3
35°	1974.8	1975.4	1987.0	2016.3	2049.2	2143.0	2181.4	2271.6	2261.8	2053.4	1769.5
37.5°	2120.5	2114.4	2130.2	2174.1	2247.2	2355.7	2392.2	2478.1	2467.2	2269.8	1993.1
40°	2296.0	2285.0	2285.0	2336.2	2419.0	2544.0	2575.0	2617.7	2580.5	2444.6	2212.5
42.5°	2489.7	2479.4	2466.0	2511.1	2580.5	2678.0	2703.6	2692.0	2661.6	2609.8	2462.3
45°	2685.9	2670.1	2679.2	2706.6	2746.9	2793.2	2802.9	2749.3	2735.3	2749.9	2668.9
47.5°	2835.2	2824.2	2846.8	2885.2	2918.1	2924.8	2918.1	2843.7	2842.5	2894.3	2812.1
50°	2885.2	2886.4	2948.6	3032.6	3085.7	3091.1	3082.0	2996.7	2985.1	3000.3	2889.4
52.5°	2890.1	2894.9	2985.7	3146.0	3290.4	3356.2	3348.9	3256.9	3143.5	3127.1	3006.4
55°	2772.5	2801.1	2927.8	3161.8	3468.9	3679.1	3703.5	3527.4	3359.2	3345.2	3258.1
57.5°	2216.1	2274.6	2427.6	2760.9	3269.7	3712.7	3776.0	3649.3	3486.6	3426.9	3190.5
60°	1324.7	1397.2	1544.0	1952.9	2488.5	3051.5	3160.6	3178.3	3103.3	2930.9	2447.7
62.5°	568.5	562.4	743.4	1056.6	1480.1	1939.5	1988.9	2065.6	2130.8	1950.5	1485.5
65°	195.0	212.0	294.9	476.5	740.9	900.6	944.5	1013.3	1105.9	912.8	544.1
67.5°	120.6	128.0	170.0	281.5	399.7	393.6	374.1	363.2	353.4	241.9	149.3
70°	87.7	93.8	119.4	193.8	268.7	188.9	163.9	132.8	147.5	135.9	106.0
72.5°	59.1	64.0	82.3	117.6	137.7	92.0	85.3	96.9	117.0	111.5	86.5
75°	35.3	38.4	46.9	57.3	56.1	47.5	48.1	68.2	89.6	83.5	61.5
77.5°	24.4	25.6	31.1	37.2	27.4	14.6	13.4	18.9	30.5	30.5	20.7
80°	6.1	7.9	7.9	4.9	4.3	3.7	3.7	5.5	8.5	6.1	3.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
87.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
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°	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7	878.7
2.5°	882.9	875.6	880.5	879.3	882.9	884.1	878.7	877.4	878.0	870.7	868.3
5°	891.5	882.9	885.4	882.9	887.2	890.8	889.0	891.5	894.5	889.0	886.6
7.5°	909.7	901.2	900.6	896.9	903.0	905.5	904.9	911.6	917.7	914.0	910.3
10°	941.4	929.8	928.6	925.6	927.4	929.2	922.5	923.7	929.2	925.0	923.1
12.5°	980.4	966.4	963.4	956.0	956.0	946.9	932.3	929.2	933.5	930.4	927.4
15°	1022.5	1003.6	998.7	985.9	973.7	956.6	941.4	937.8	940.8	937.2	934.7
17.5°	1069.4	1048.0	1032.2	1009.7	982.9	962.7	945.7	937.8	932.9	925.6	925.0
20°	1115.7	1087.7	1060.8	1024.9	989.6	959.1	931.1	910.3	892.7	881.7	877.4
22.5°	1169.3	1127.9	1084.6	1034.0	983.5	937.2	887.8	852.5	822.0	811.6	806.8
25°	1226.6	1173.0	1108.4	1042.6	962.7	888.4	821.4	769.0	728.8	715.4	709.9
27.5°	1290.0	1216.2	1132.7	1040.7	920.1	818.9	730.0	664.8	625.2	613.0	617.3
30°	1370.4	1272.3	1163.2	1021.8	856.1	721.4	617.3	562.4	532.6	521.0	521.6
32.5°	1477.6	1352.7	1207.7	981.6	773.8	610.5	519.1	478.9	458.8	443.6	442.4
35°	1631.2	1475.2	1249.1	917.0	673.9	511.8	445.4	413.7	385.7	368.0	371.1
37.5°	1815.2	1629.4	1271.7	829.9	561.8	435.1	390.0	357.7	326.0	299.8	302.8
40°	2033.3	1831.0	1269.8	715.4	459.4	382.7	343.7	305.9	266.3	242.5	245.0
42.5°	2276.5	2021.8	1230.2	594.1	380.8	340.0	299.2	251.7	213.3	198.6	199.3
45°	2487.3	2176.5	1160.8	468.6	320.5	298.6	252.9	204.1	187.1	176.7	176.1
47.5°	2643.3	2289.9	1061.5	368.6	271.8	260.8	207.8	182.8	169.4	160.9	159.6
50°	2730.4	2329.5	951.8	288.8	229.7	221.2	185.8	165.7	156.6	151.1	149.9
52.5°	2847.4	2377.0	873.2	227.9	192.5	181.0	171.2	154.2	148.1	143.8	142.0
55°	3032.6	2469.0	804.9	181.0	160.3	157.8	161.5	147.5	143.8	137.1	134.7
57.5°	2858.4	2218.0	625.2	140.1	135.3	144.4	156.0	140.8	131.6	125.5	123.1
60°	2011.4	1474.6	314.4	112.7	120.6	135.3	146.8	127.4	118.2	119.4	118.2
62.5°	1109.0	737.9	141.4	94.4	104.8	119.4	125.5	110.3	104.2	114.6	116.4
65°	362.6	251.0	81.7	73.1	82.9	97.5	108.5	104.8	103.6	115.8	119.4
67.5°	111.5	82.9	55.4	52.4	57.3	71.9	91.4	113.3	121.9	125.5	127.4
70°	83.5	65.2	47.5	44.5	46.9	54.8	77.4	94.4	89.0	89.6	88.4
72.5°	67.0	51.8	40.8	39.0	39.0	37.8	40.8	51.2	57.9	60.9	60.9
75°	46.9	36.6	31.1	28.6	22.5	18.3	16.5	16.5	14.6	14.0	13.4
77.5°	15.8	13.4	12.2	9.7	6.7	5.5	4.9	4.3	3.0	1.8	1.2
80°	2.4	1.8	1.2	1.2	1.2	0.6	0.6	0.6	0.0	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	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)