

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: P631128

Luminaire Tested: GWS-SA1F-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4555.9 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

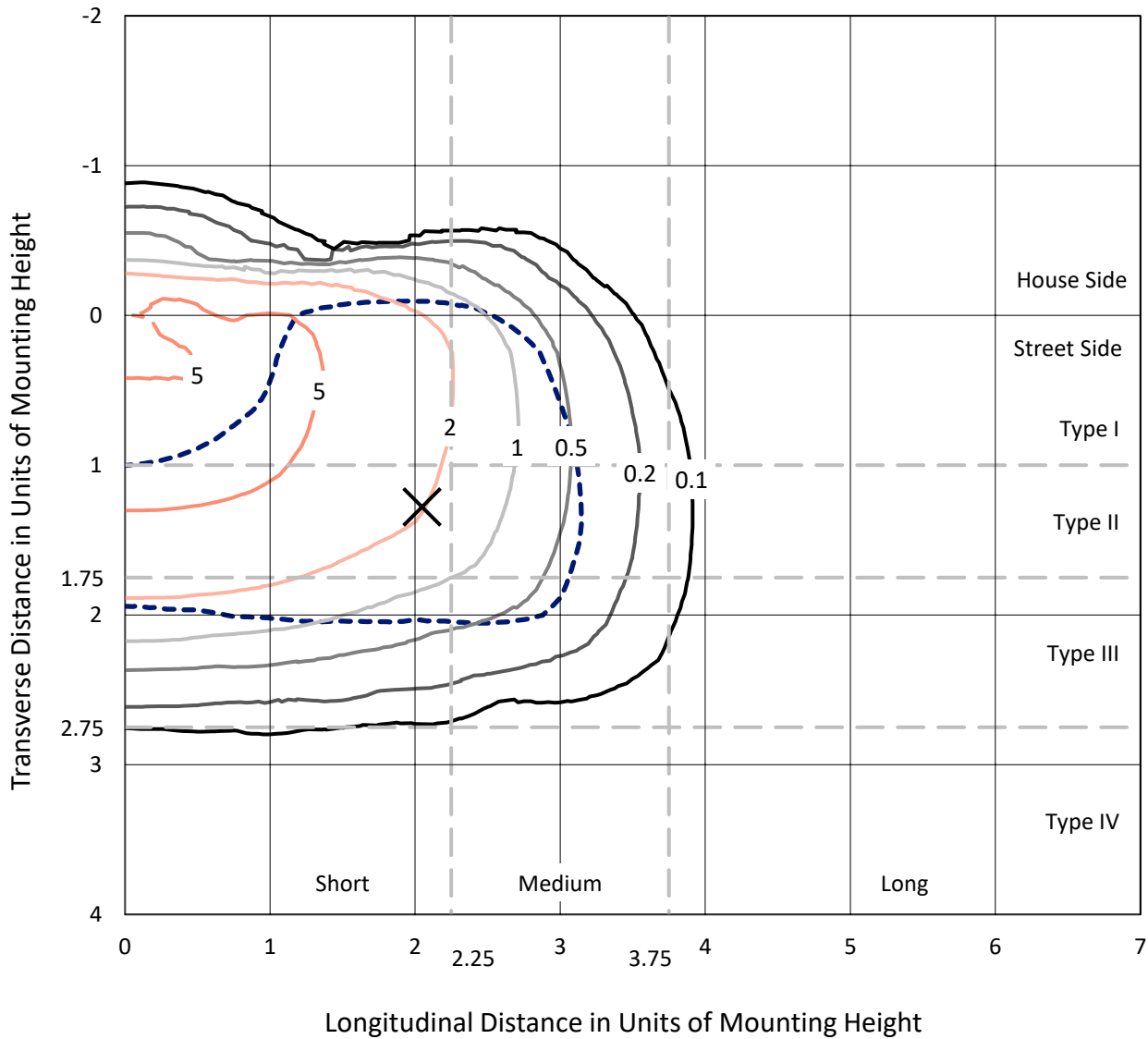
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631128
 CATALOG NUMBER: GWS-SA1F-722-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

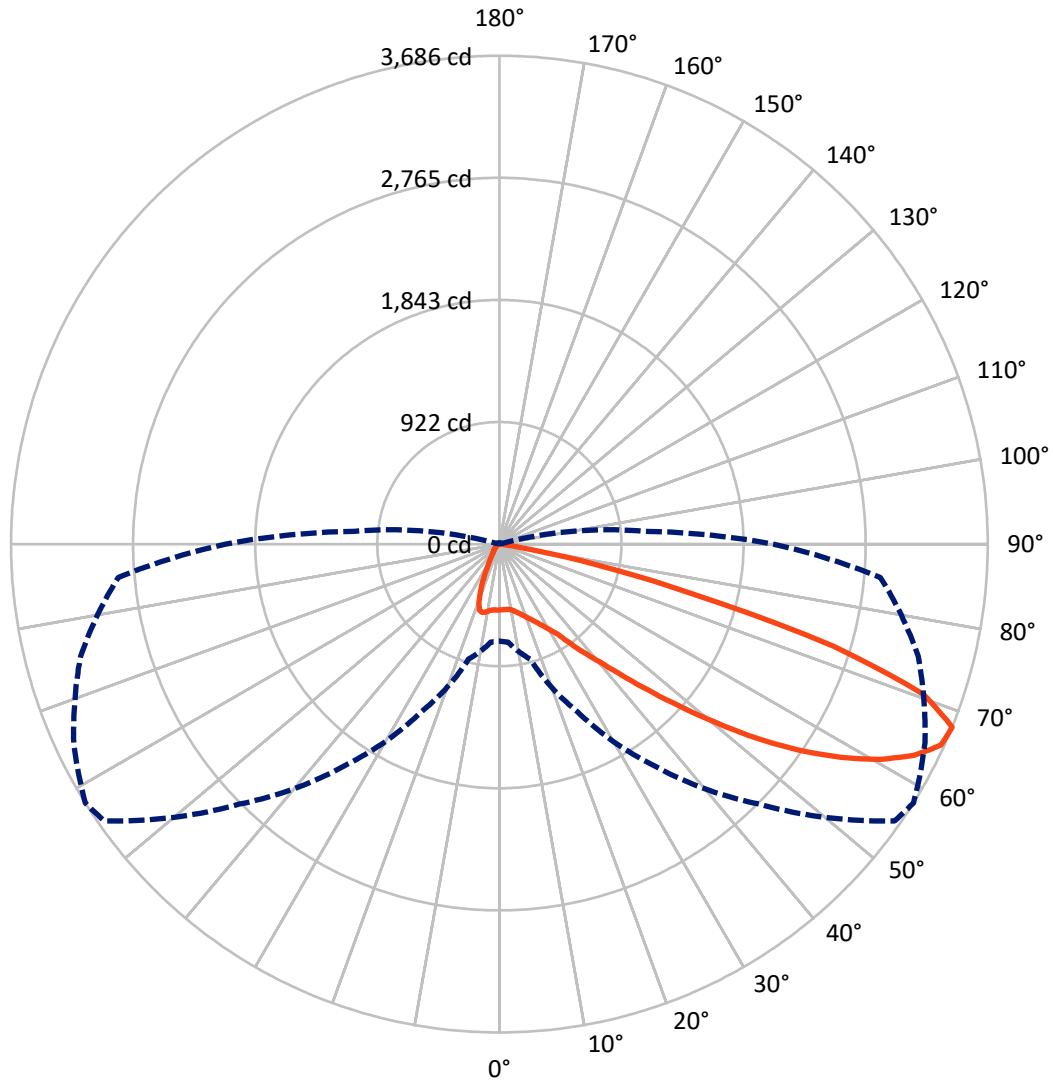
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Short - N/A

REPORT NUMBER: P631128
CATALOG NUMBER: GWS-SA1F-722-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P631128

CATALOG NUMBER: GWS-SA1F-722-U-T3-W-HSS

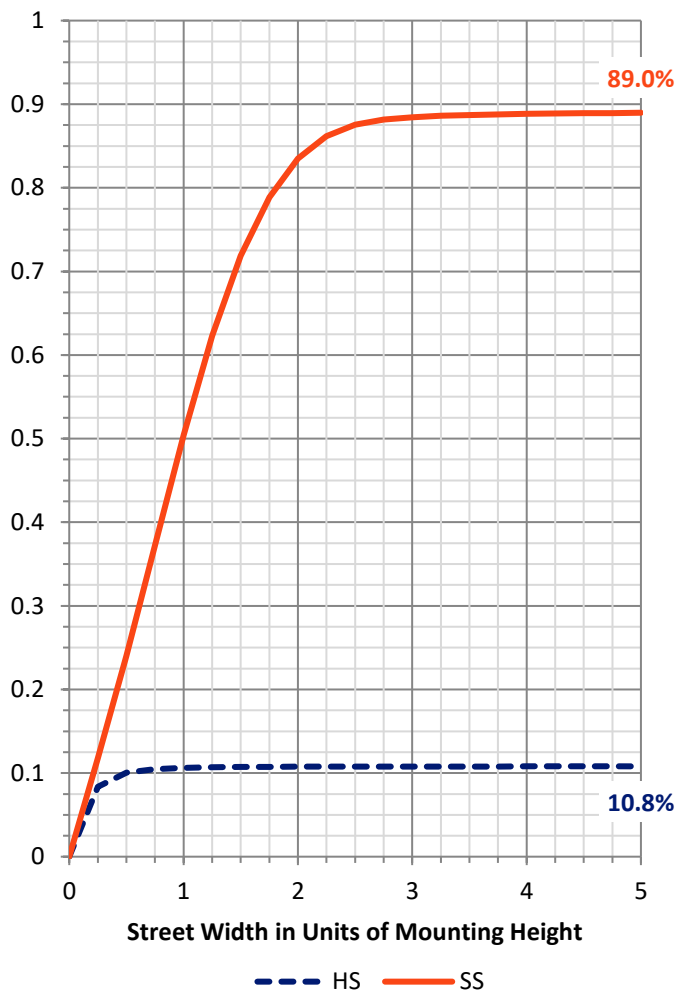
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	497.0	0.0	497.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	4058.9	0.0	4058.9
	% Fixture	89.1	0.0	89.1
Total	Lumens	4555.9	0.0	4555.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	1.0
10°-20°	130.9	2.9
20°-30°	228.6	5.0
30°-40°	408.2	9.0
40°-50°	746.1	16.4
50°-60°	1240.8	27.2
60°-70°	1347.7	29.6
70°-80°	395.7	8.7
80°-90°	11.3	0.2
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°	4555.9	100.0
0°-180°	4555.9	100.0

Coefficient of Utilization



REPORT NUMBER: P631128

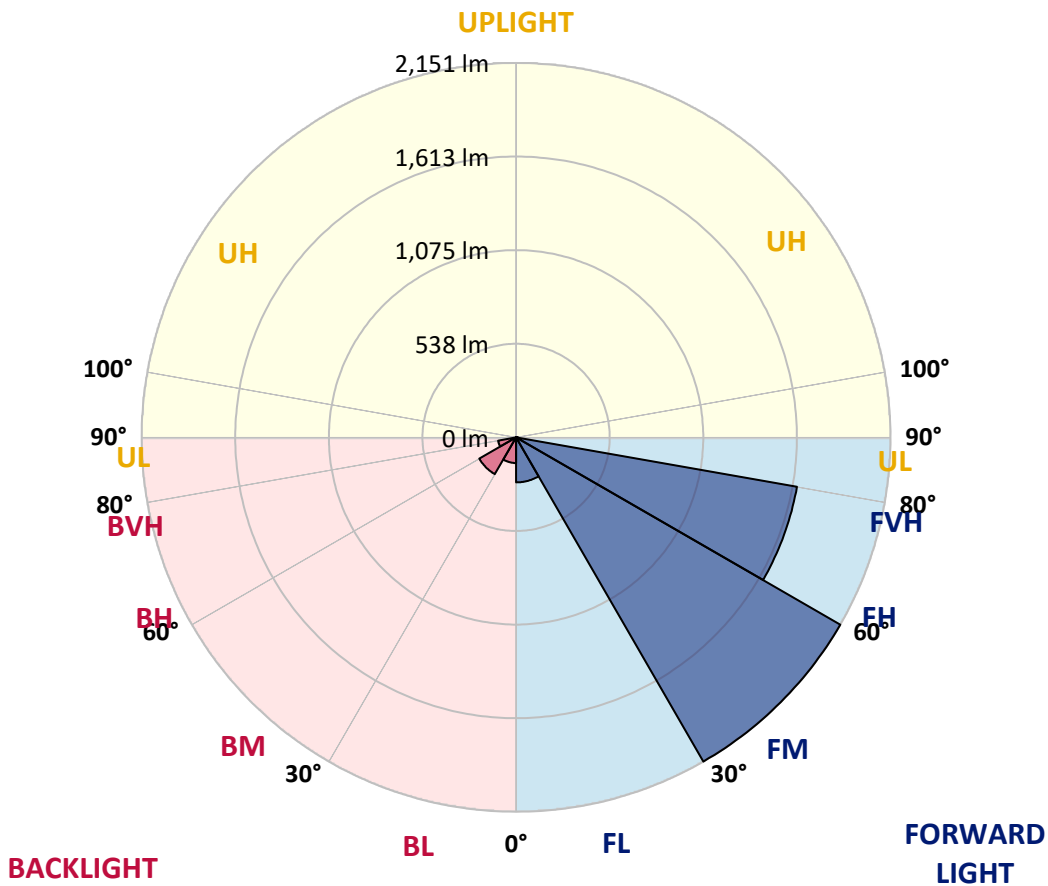
CATALOG NUMBER: GWS-SA1F-722-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.7	5.7			
FM (30°-60°)	2150.9	47.2			
FH (60°-80°)	1638.5	36.0			G1/1800
FVH (80°-90°)	10.7	0.2			G1/100
BL (0°-30°)	147.4	3.2	B1/500		
BM (30°-60°)	244.1	5.4	B1/1000		
BH (60°-80°)	104.9	2.3	B0/110		G0/110
BVH (80°-90°)	0.6	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-G1

Type III Short





REPORT NUMBER: P631128

CATALOG NUMBER: GWS-SA1F-722-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5
2.5°	487.1	486.2	486.2	489.8	490.2	492.0	496.0	496.5	498.7	497.8	494.7
5°	461.8	462.2	464.9	471.1	476.4	483.1	492.9	495.1	500.0	502.7	500.9
7.5°	438.2	438.6	442.6	452.4	462.6	476.0	492.0	496.5	506.2	513.4	513.8
10°	429.3	428.8	432.8	444.0	457.3	476.0	499.1	504.9	519.6	532.0	534.3
12.5°	432.0	431.5	435.5	445.7	460.4	484.0	511.6	519.6	538.3	557.4	561.4
15°	442.6	442.2	444.9	453.3	469.3	493.8	527.6	539.6	563.2	586.3	592.5
17.5°	474.7	472.4	469.8	470.7	480.0	505.4	548.1	562.7	592.1	619.7	625.0
20°	531.6	525.8	518.7	509.4	504.9	522.3	571.6	588.5	624.1	655.7	656.6
22.5°	617.5	615.2	598.8	571.6	552.5	553.0	599.2	618.8	662.4	697.1	692.2
25°	737.1	735.8	710.4	665.9	616.1	599.2	634.4	654.4	707.8	744.7	729.1
27.5°	885.7	876.4	846.6	786.5	712.2	659.3	678.8	696.6	755.8	790.5	761.1
30°	1015.2	1015.6	987.6	924.9	841.2	749.6	733.1	748.7	799.8	836.3	800.7
32.5°	1139.7	1143.7	1113.0	1056.5	964.9	867.5	811.0	813.6	856.3	895.9	852.8
35°	1255.4	1258.5	1237.1	1189.1	1103.7	990.7	919.5	918.2	941.3	981.8	925.3
37.5°	1384.8	1387.9	1367.0	1323.9	1243.8	1131.7	1042.7	1041.0	1050.3	1083.2	1018.7
40°	1522.7	1528.5	1505.4	1468.9	1392.4	1297.6	1186.0	1170.0	1160.6	1199.3	1139.7
42.5°	1662.4	1671.3	1663.3	1626.8	1561.4	1483.1	1371.9	1347.0	1327.0	1375.5	1312.3
45°	1835.9	1846.6	1843.0	1815.0	1764.3	1700.7	1595.7	1566.8	1557.4	1602.4	1527.2
47.5°	2002.7	2014.3	2027.2	2021.0	1984.9	1955.6	1839.0	1822.6	1819.9	1867.9	1751.4
50°	2126.8	2137.5	2186.9	2222.5	2247.0	2240.7	2139.7	2115.3	2111.3	2142.0	1988.1
52.5°	2215.8	2226.0	2294.1	2405.3	2495.2	2544.1	2442.2	2436.9	2415.1	2404.4	2209.6
55°	2284.8	2299.0	2370.6	2538.8	2719.8	2828.4	2764.8	2745.6	2689.6	2628.2	2415.1
57.5°	2298.6	2304.3	2405.3	2632.2	2894.2	3069.9	3069.9	3036.6	2928.5	2843.5	2652.7
60°	2174.9	2192.7	2329.3	2624.6	2969.0	3227.9	3323.1	3299.9	3154.0	3049.5	2881.3
62.5°	1900.4	1920.4	2086.8	2443.6	2894.2	3260.3	3514.8	3511.2	3346.6	3219.9	3070.8
65°	1457.3	1472.0	1617.0	2044.1	2578.4	3135.3	3651.8	3661.6	3498.8	3332.4	3136.2
67.5°	732.2	742.5	899.0	1396.4	2043.7	2775.4	3642.5	3686.1	3545.0	3272.8	2886.7
70°	255.8	266.0	339.9	599.2	1243.8	2119.3	3327.5	3398.7	3273.2	2793.7	2129.5
72.5°	87.6	92.5	141.0	222.4	484.0	1256.3	2530.3	2637.5	2412.9	1875.5	1223.8
75°	49.8	52.9	75.6	120.6	202.9	413.3	1435.5	1501.4	1406.6	1022.3	503.6
77.5°	33.8	36.5	47.2	68.5	112.1	133.0	585.4	737.1	642.8	333.6	128.6
80°	20.0	21.8	28.9	40.5	57.4	51.6	125.4	166.8	214.9	99.6	38.7
82.5°	9.3	10.7	18.7	26.7	28.9	21.8	36.9	44.9	60.5	48.9	16.0
85°	0.0	0.0	6.2	11.1	10.7	6.2	10.2	11.1	16.5	24.5	6.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	2.7	4.9	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



REPORT NUMBER: P631128

CATALOG NUMBER: GWS-SA1F-722-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5
2.5°	498.2	495.1	498.7	496.9	498.7	498.2	494.7	492.5	492.5	488.4	487.1
5°	504.5	501.4	502.2	498.2	497.3	495.1	490.7	488.9	488.9	484.9	483.6
7.5°	518.3	513.4	512.5	504.5	500.9	494.7	486.7	483.6	483.1	479.1	477.8
10°	540.1	534.3	530.3	520.0	509.8	497.3	480.4	466.2	458.2	447.5	446.6
12.5°	566.7	559.6	553.4	537.8	520.9	492.9	443.1	391.0	359.0	333.6	335.4
15°	596.5	589.9	580.1	556.5	521.8	448.9	344.8	264.7	225.5	204.6	203.7
17.5°	629.0	619.2	603.2	571.2	493.8	343.0	224.2	158.4	137.9	130.8	129.0
20°	659.3	647.3	627.2	574.3	412.8	232.2	140.1	122.8	119.2	117.0	117.0
22.5°	691.3	676.2	646.4	550.3	306.9	148.6	119.2	115.2	112.5	109.4	109.0
25°	723.8	704.2	663.7	487.6	201.1	117.0	111.7	107.2	102.3	97.4	96.1
27.5°	751.4	726.0	677.1	394.1	129.0	105.4	101.9	94.3	87.6	82.3	81.4
30°	784.3	751.8	682.9	288.3	101.4	93.0	87.6	79.6	71.6	66.3	64.5
32.5°	828.3	792.7	674.0	187.7	89.9	81.9	73.4	64.1	56.1	50.3	49.4
35°	896.8	854.6	633.0	119.7	81.4	70.7	60.5	50.7	44.0	39.6	38.7
37.5°	980.5	941.3	565.9	89.9	73.0	61.4	49.4	40.0	35.1	32.0	31.1
40°	1104.6	1049.9	482.7	78.7	64.5	52.0	40.5	32.9	29.4	26.7	25.8
42.5°	1265.6	1178.0	387.0	71.6	56.5	43.6	32.9	27.1	24.0	22.2	21.8
45°	1453.8	1303.0	286.0	64.5	48.9	36.0	27.1	22.2	20.0	18.7	18.2
47.5°	1646.4	1412.4	197.5	56.9	41.8	29.8	22.7	19.1	17.3	15.6	15.1
50°	1851.9	1504.9	134.8	49.4	35.6	24.5	19.6	17.3	15.1	13.8	13.3
52.5°	2002.7	1539.2	93.9	42.7	30.3	20.9	17.3	15.6	13.8	12.0	11.6
55°	2142.0	1538.3	71.2	36.0	25.8	18.2	15.6	13.8	12.0	10.7	10.2
57.5°	2280.8	1526.3	56.1	30.7	22.2	16.5	13.8	12.0	11.1	9.3	8.9
60°	2370.6	1480.9	43.6	25.8	19.1	14.2	12.0	10.7	9.3	8.0	7.6
62.5°	2418.2	1417.7	33.4	20.5	15.6	12.5	10.7	9.3	8.0	6.7	6.2
65°	2353.7	1305.6	26.2	16.0	12.0	10.7	8.9	7.6	6.2	4.9	4.4
67.5°	2067.7	1101.0	20.5	12.9	9.3	8.0	7.6	6.2	4.4	3.6	3.1
70°	1461.3	754.0	16.0	9.8	7.1	6.2	5.8	4.9	3.6	2.7	2.2
72.5°	802.1	380.4	11.6	7.1	5.3	4.9	4.4	4.0	3.1	2.2	2.2
75°	308.7	104.5	8.5	4.9	3.6	3.6	3.1	3.1	2.7	1.8	1.8
77.5°	80.5	31.1	5.3	3.1	2.2	2.2	2.2	1.8	1.8	1.3	1.3
80°	25.8	10.2	3.1	2.2	1.8	1.3	1.3	0.9	1.3	0.9	0.9
82.5°	8.5	3.6	1.8	1.8	1.3	0.9	0.9	0.4	0.4	0.0	0.0
85°	3.1	1.8	1.3	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0
87.5°	1.8	0.9	0.9	0.9	0.9	0.4	0.0	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)