

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: P629611

Luminaire Tested: GWS-SA1C-722-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2969 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

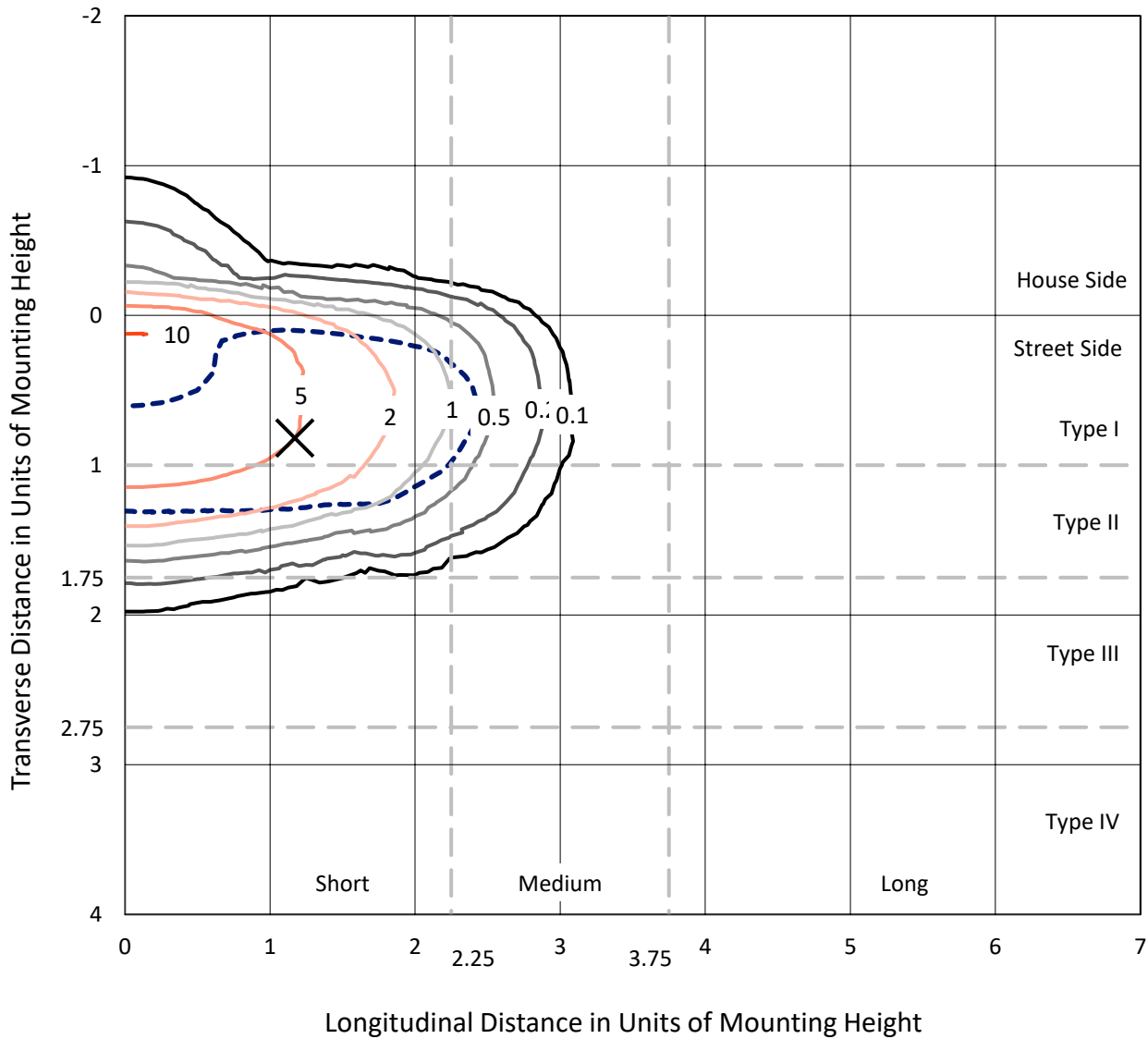
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629611
 CATALOG NUMBER: GWS-SA1C-722-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

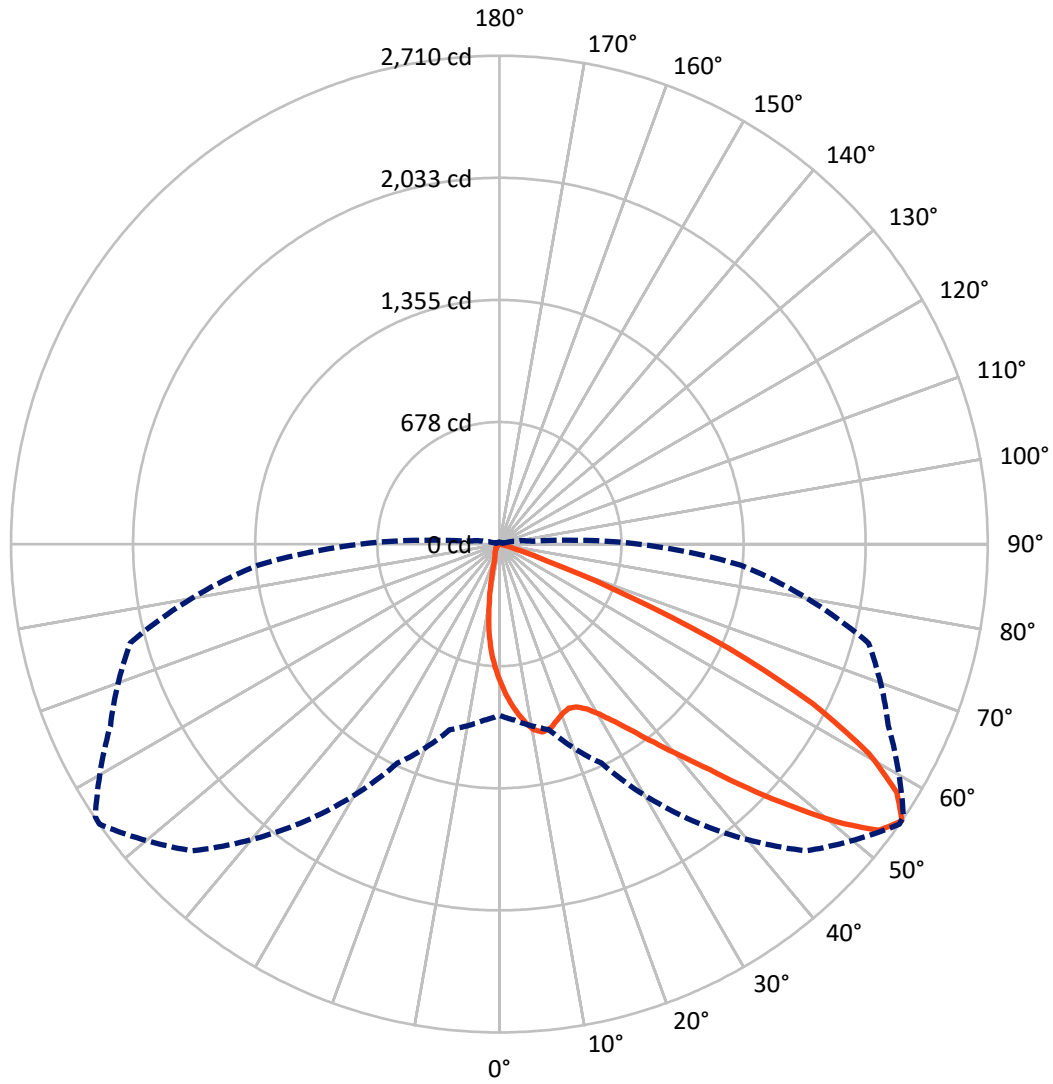
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P629611
CATALOG NUMBER: GWS-SA1C-722-U-AFL-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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 CATALOG NUMBER: GWS-SA1C-722-U-AFL-W-HSS

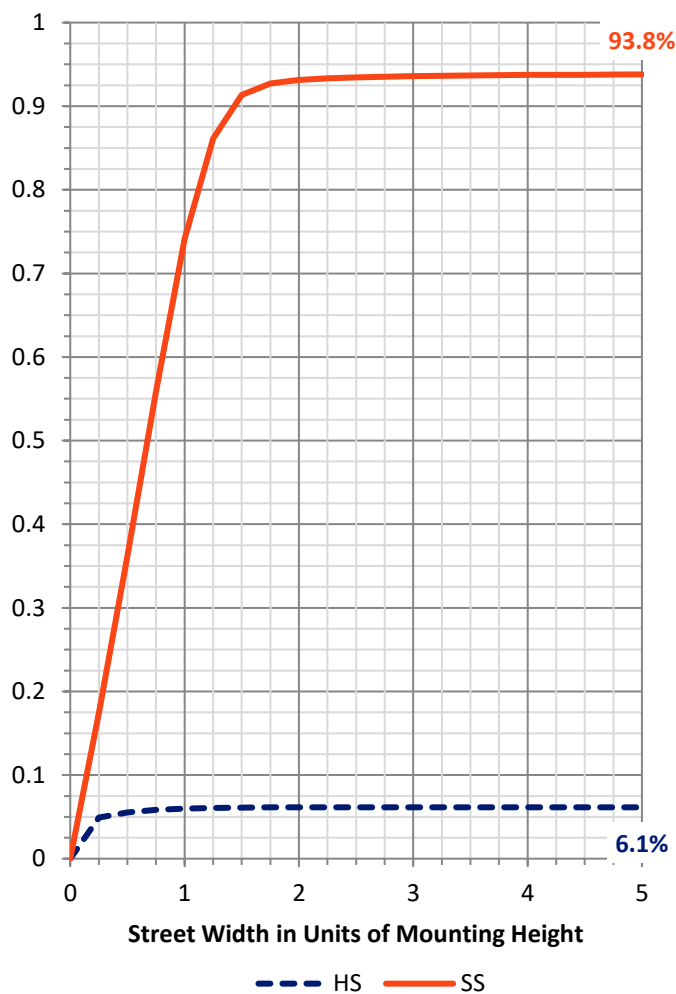
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	183.2	0.0	183.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2785.8	0.0	2785.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	2969.0	0.0	2969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	2.3
10°-20°	163.4	5.5
20°-30°	272.2	9.2
30°-40°	463.8	15.6
40°-50°	757.1	25.5
50°-60°	792.6	26.7
60°-70°	399.8	13.5
70°-80°	50.5	1.7
80°-90°	1.9	0.1
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°	2969.0	100.0
0°-180°	2969.0	100.0

Coefficient of Utilization

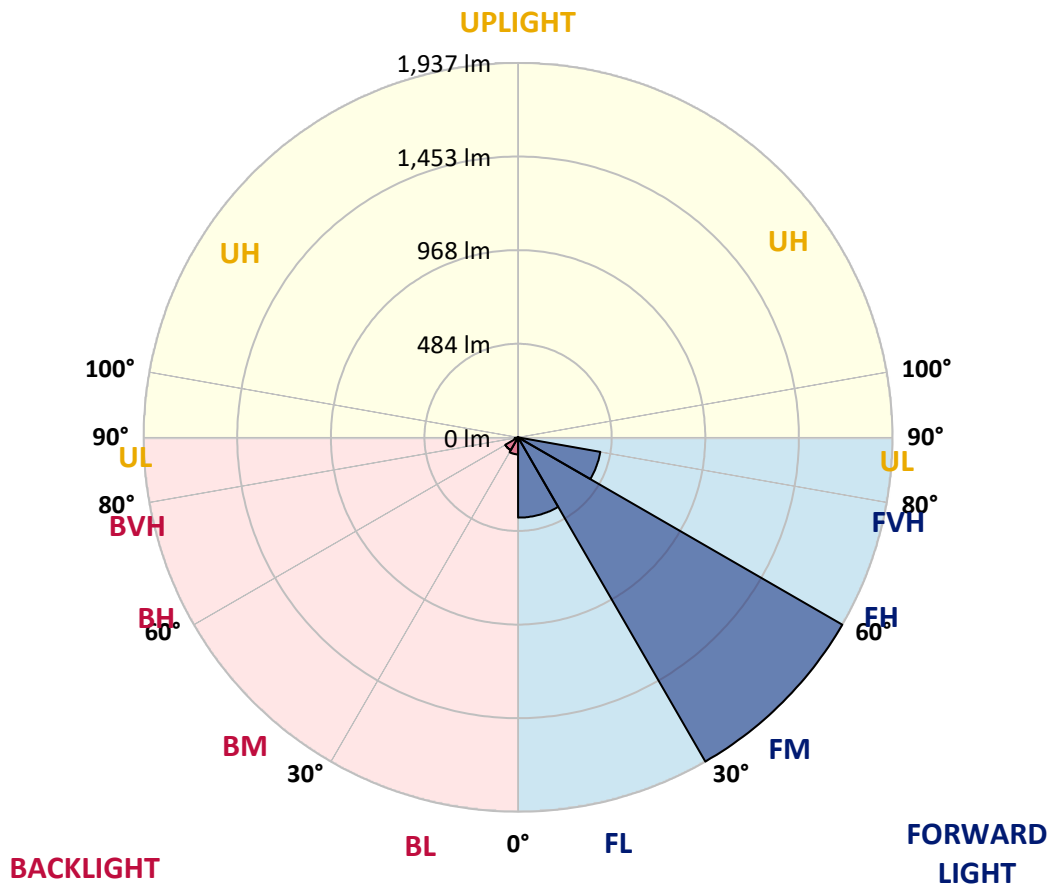


REPORT NUMBER: P629611
 CATALOG NUMBER: GWS-SA1C-722-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.3	14.0			
FM (30°-60°)	1936.8	65.2			
FH (60°-80°)	431.9	14.5			G0/660
FVH (80°-90°)	1.7	0.1			G0/10
BL (0°-30°)	88.1	3.0	B0/110		
BM (30°-60°)	76.6	2.6	B0/220		
BH (60°-80°)	18.4	0.6	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





REPORT NUMBER: P629611

CATALOG NUMBER: GWS-SA1C-722-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	767.0	767.0	767.0	767.0	767.0	767.0	767.0	767.0	767.0	767.0	767.0
2.5°	894.2	889.9	896.5	888.8	875.9	865.0	850.8	845.7	822.9	801.3	780.5
5°	1002.8	1004.1	1002.0	991.4	973.1	952.8	924.1	917.8	877.9	836.8	792.4
7.5°	1029.7	1028.9	1033.3	1037.3	1034.3	1024.1	992.9	986.6	937.1	875.4	810.7
10°	946.7	947.2	956.1	983.5	1017.5	1052.8	1048.0	1044.4	996.0	919.0	831.0
12.5°	829.5	834.0	843.4	882.5	940.1	1020.3	1070.1	1073.6	1050.0	967.0	854.8
15°	778.7	779.7	787.3	810.9	853.8	952.8	1060.7	1070.6	1095.2	1015.2	880.7
17.5°	777.4	778.7	782.0	792.4	820.3	899.8	1030.5	1047.7	1129.2	1067.0	911.7
20°	825.1	824.4	822.1	816.5	828.7	882.2	1002.6	1021.6	1147.7	1117.5	942.9
22.5°	911.7	910.7	900.5	877.4	867.5	898.2	988.8	1006.1	1158.9	1162.5	968.5
25°	1011.4	1018.5	999.5	964.5	940.1	939.1	1001.0	1013.2	1168.5	1202.3	986.1
27.5°	1120.8	1123.1	1106.9	1067.5	1032.2	1004.6	1036.3	1045.4	1179.2	1237.8	996.0
30°	1240.9	1240.1	1221.6	1175.9	1133.0	1093.2	1095.7	1099.3	1204.1	1278.4	1006.9
32.5°	1390.9	1394.2	1361.2	1299.0	1247.5	1192.4	1173.4	1173.9	1249.0	1330.7	1023.4
35°	1594.7	1586.6	1542.9	1454.3	1366.5	1307.1	1274.6	1271.8	1318.3	1401.0	1052.0
37.5°	1788.9	1789.6	1743.9	1646.5	1535.6	1441.9	1396.0	1388.3	1415.8	1498.5	1099.8
40°	1923.6	1926.2	1907.1	1856.1	1738.6	1606.1	1538.6	1530.7	1542.2	1621.8	1162.2
42.5°	1995.0	2002.1	2007.4	2019.3	1930.2	1811.2	1707.4	1706.6	1694.7	1762.5	1234.5
45°	1997.7	2008.4	2040.9	2122.4	2132.5	2045.2	1932.3	1915.3	1869.3	1913.0	1299.3
47.5°	1887.3	1912.0	1981.0	2142.4	2249.0	2278.0	2166.0	2155.6	2026.7	2032.0	1347.7
50°	1630.0	1655.6	1782.8	2039.6	2278.5	2462.7	2422.6	2401.0	2158.2	2110.7	1371.1
52.5°	1366.0	1389.4	1475.7	1794.9	2156.4	2520.8	2638.9	2613.2	2276.2	2138.1	1361.4
55°	950.5	981.7	1066.0	1341.6	1875.2	2407.6	2710.4	2705.1	2381.5	2120.8	1346.5
57.5°	466.0	497.0	581.0	827.2	1389.1	2102.1	2601.1	2629.2	2444.5	2102.3	1334.3
60°	194.7	207.4	236.3	362.9	777.2	1588.6	2354.1	2393.2	2405.9	2077.2	1333.0
62.5°	112.9	115.0	118.0	150.5	302.3	910.7	1952.8	2008.4	2203.1	2043.9	1313.0
65°	85.3	86.0	84.8	92.4	124.9	345.4	1410.9	1486.6	1838.9	1914.0	1233.8
67.5°	70.1	70.1	66.8	68.3	78.4	129.4	778.9	884.5	1360.7	1573.1	1018.8
70°	55.8	57.1	55.6	53.6	56.1	71.6	277.2	343.7	792.4	928.9	594.2
72.5°	42.4	42.4	44.9	43.4	41.6	44.9	96.7	108.6	318.0	387.3	214.5
75°	32.7	33.8	35.5	34.0	31.5	26.7	46.4	49.2	95.9	90.1	48.0
77.5°	16.8	17.0	22.6	24.9	23.4	16.2	20.3	22.3	31.2	27.9	17.8
80°	10.2	10.7	12.7	19.5	15.5	8.6	8.4	8.9	14.7	12.7	7.4
82.5°	4.3	4.6	7.1	7.1	6.3	3.3	3.3	3.3	7.1	6.6	3.0
85°	0.0	0.0	1.3	1.0	1.0	1.3	1.3	1.3	1.8	2.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
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: P629611
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	767.0	767.0	767.0	767.0	767.0	767.0	767.0	767.0	767.0	767.0	767.0
2.5°	767.0	750.8	728.9	709.1	682.5	667.5	646.7	629.7	615.2	610.7	608.6
5°	767.3	739.4	692.6	645.9	588.6	543.4	497.0	460.2	430.0	420.3	417.8
7.5°	772.3	731.2	655.6	570.8	474.9	395.7	324.9	261.4	232.0	222.1	220.1
10°	779.2	724.4	612.7	480.7	342.9	241.1	170.8	130.2	110.9	100.3	101.8
12.5°	788.1	718.8	565.2	383.3	226.9	132.5	93.9	78.7	74.6	72.6	71.6
15°	800.0	712.2	506.4	286.6	139.1	85.3	72.3	68.3	66.8	65.7	65.5
17.5°	812.2	704.6	446.5	201.5	92.4	70.8	65.0	62.9	61.9	61.2	60.9
20°	825.1	691.6	376.1	138.8	72.8	63.7	59.9	57.6	56.3	55.1	54.8
22.5°	830.7	670.8	308.9	97.2	64.7	58.6	53.8	51.0	49.5	48.5	48.5
25°	825.4	637.1	239.3	73.9	58.9	53.0	48.2	45.2	43.9	42.9	42.9
27.5°	811.2	593.7	174.6	61.2	52.5	47.2	42.6	39.8	38.8	38.3	38.3
30°	795.4	538.8	123.1	52.5	45.4	41.1	37.3	35.5	35.3	34.8	34.8
32.5°	782.0	487.6	84.8	46.2	40.1	35.8	33.2	32.5	32.7	32.2	32.5
35°	774.6	437.3	62.9	41.1	35.8	31.7	30.5	30.5	30.5	30.2	30.2
37.5°	777.7	387.8	51.3	37.6	32.0	28.9	27.7	28.2	28.7	28.7	28.7
40°	792.9	343.9	45.4	34.3	28.7	26.4	25.4	26.1	26.9	27.4	27.4
42.5°	812.2	308.4	41.1	31.5	26.4	23.9	23.4	24.1	24.9	25.4	25.4
45°	824.4	272.6	36.8	27.9	24.1	21.1	21.1	22.1	21.8	22.1	22.1
47.5°	830.0	244.2	32.5	24.1	20.6	18.3	18.5	19.0	18.5	19.0	19.0
50°	816.3	215.5	28.7	20.1	17.0	16.0	16.5	16.2	16.2	17.3	17.3
52.5°	791.1	194.2	25.4	17.0	14.5	14.2	14.7	13.7	14.0	14.0	13.7
55°	772.6	182.0	22.6	14.7	12.4	12.7	12.4	10.7	9.6	8.6	8.4
57.5°	763.5	177.2	20.6	13.2	11.2	11.2	10.2	7.4	5.6	4.3	3.8
60°	761.4	171.3	18.5	11.4	9.9	9.4	7.4	4.3	2.8	2.0	1.8
62.5°	742.1	157.1	16.8	9.1	8.6	7.6	4.6	2.5	1.5	1.0	0.8
65°	678.9	129.2	15.0	7.1	6.6	5.6	2.8	1.5	0.8	0.3	0.0
67.5°	540.1	91.6	13.2	5.3	4.6	3.6	1.8	1.0	0.3	0.0	0.0
70°	311.4	49.5	10.9	3.8	3.0	2.3	1.3	0.5	0.0	0.0	0.0
72.5°	104.1	23.1	8.4	2.5	2.3	1.8	0.8	0.3	0.0	0.0	0.0
75°	22.8	13.7	5.6	1.8	1.5	1.3	0.5	0.0	0.0	0.0	0.0
77.5°	8.6	9.6	2.8	1.3	1.0	0.8	0.3	0.0	0.0	0.0	0.0
80°	3.3	6.3	1.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	1.8	2.5	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.0	1.3	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.3	0.3	0.3	0.0	0.0	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)