

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: P630625

Luminaire Tested: GWS-SA1E-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630625
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-SA1E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4181 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

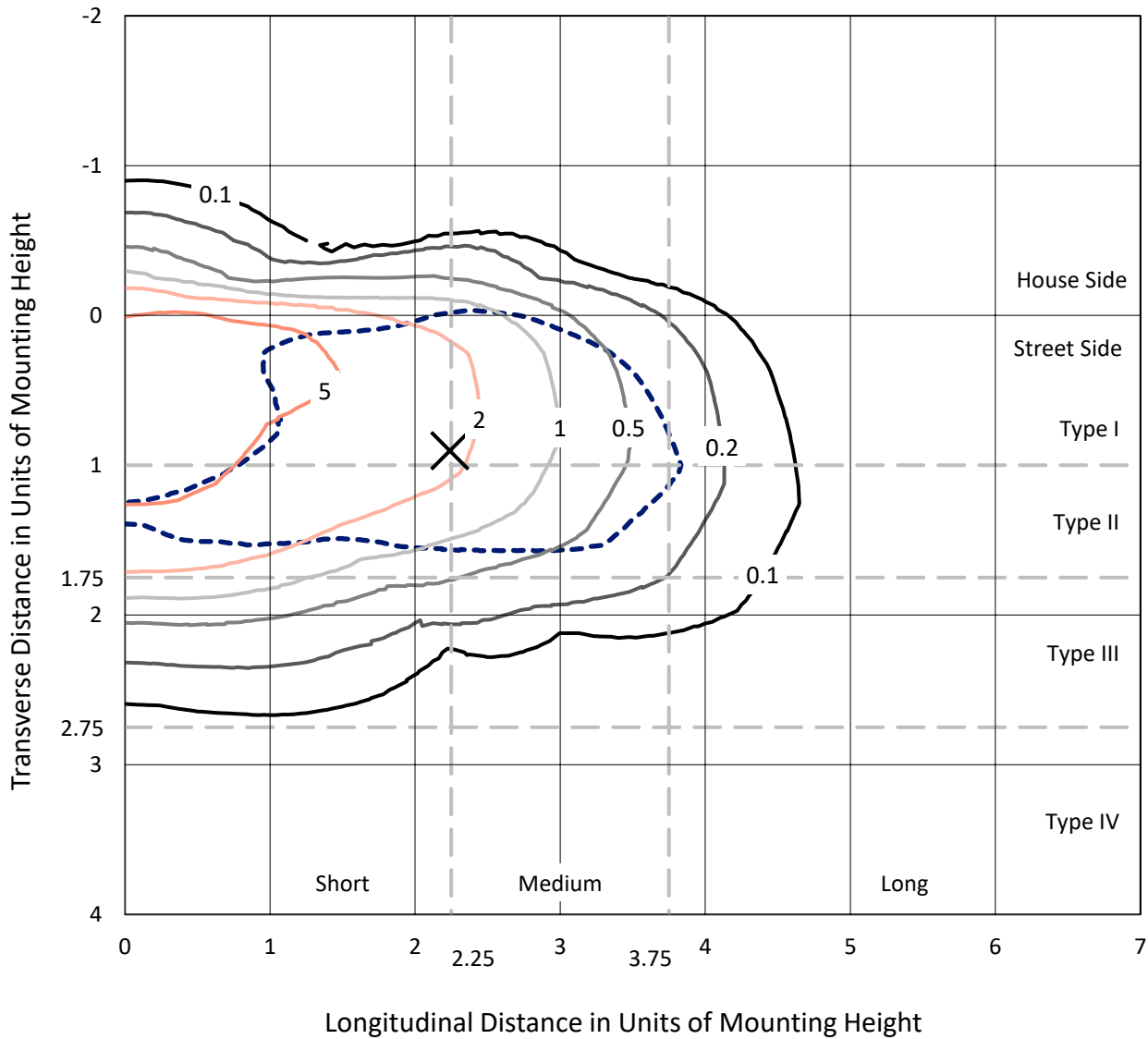
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

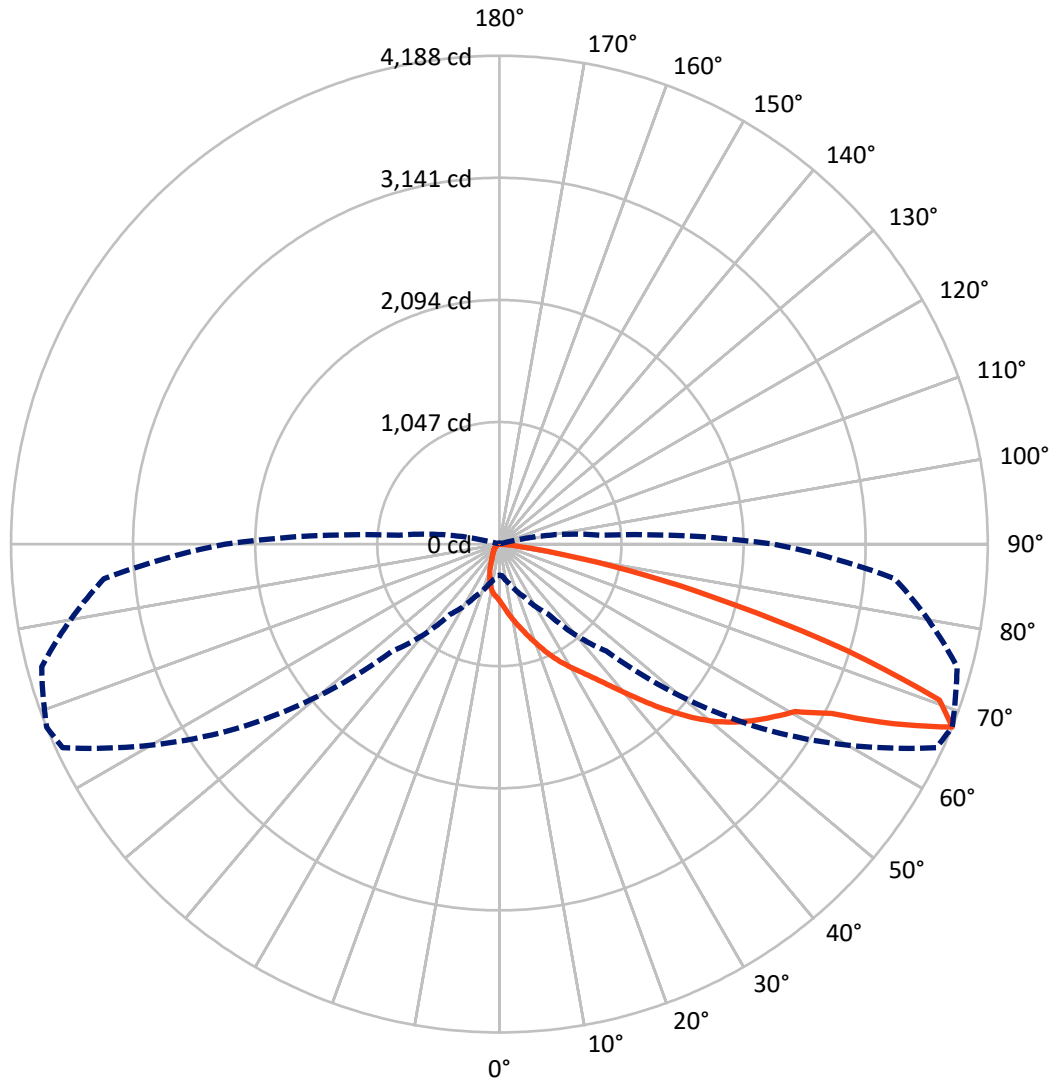
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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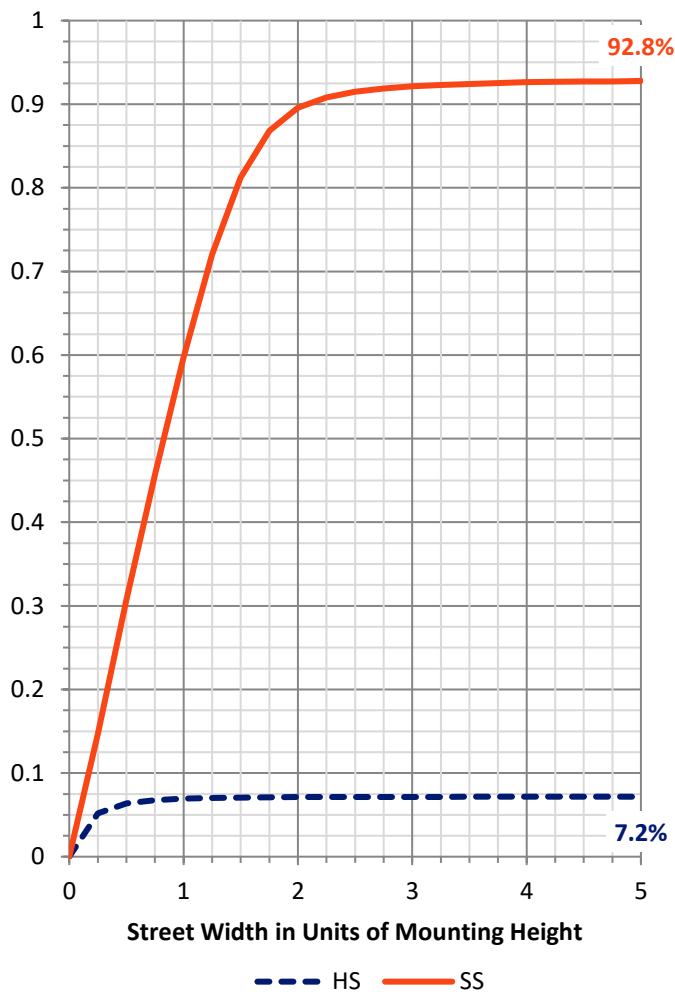
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	301.9	0.0	301.9
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	3879.1	0.0	3879.1
	% Fixture	92.8	0.0	92.8
Total	Lumens	4181.0	0.0	4181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	1.1
10°-20°	136.3	3.3
20°-30°	234.2	5.6
30°-40°	407.2	9.7
40°-50°	710.5	17.0
50°-60°	1071.6	25.6
60°-70°	1074.5	25.7
70°-80°	474.1	11.3
80°-90°	25.3	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°	4181.0	100.0
0°-180°	4181.0	100.0

Coefficient of Utilization



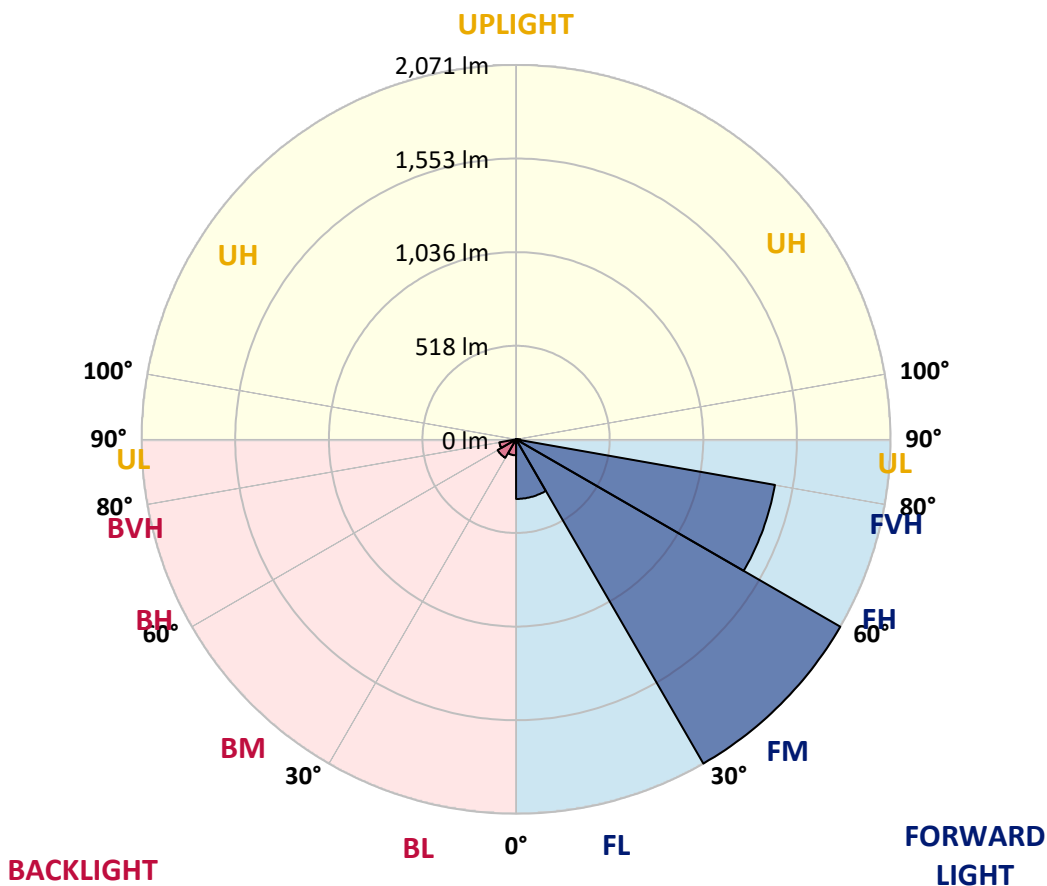
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.6	7.9			
FM (30°-60°)	2071.3	49.5			
FH (60°-80°)	1454.3	34.8			G1/1800
FVH (80°-90°)	23.9	0.6			G1/100
BL (0°-30°)	88.3	2.1	B0/110		
BM (30°-60°)	117.9	2.8	B0/220		
BH (60°-80°)	94.2	2.3	B0/110		G0/110
BVH (80°-90°)	1.4	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6
2.5°	566.6	570.2	566.6	567.4	557.0	552.2	541.8	527.4	523.8	514.6	500.6
5°	635.8	639.0	635.4	634.6	622.6	613.8	596.6	571.8	564.6	546.6	519.0
7.5°	673.4	675.4	676.6	678.6	674.2	667.0	651.4	620.6	613.0	583.8	545.0
10°	677.4	679.0	685.0	697.0	705.8	710.2	701.4	673.0	661.0	632.6	577.0
12.5°	666.2	668.6	678.2	698.2	722.6	745.0	750.7	725.8	715.0	678.6	614.6
15°	651.4	653.4	666.6	693.8	730.6	771.9	795.1	784.3	772.3	734.2	656.2
17.5°	628.6	631.4	649.8	686.6	734.2	793.1	843.1	846.7	838.3	797.1	702.2
20°	615.8	617.8	634.2	672.2	731.8	808.7	887.9	921.9	912.7	869.5	755.1
22.5°	626.6	628.2	639.0	668.6	723.8	817.5	929.5	997.1	991.9	947.1	810.7
25°	683.4	688.6	682.2	687.4	727.4	822.3	963.1	1072.4	1073.6	1028.3	868.3
27.5°	798.7	791.9	776.7	750.7	755.5	835.1	991.9	1143.2	1153.6	1107.6	919.5
30°	915.9	911.9	902.7	862.3	828.7	863.5	1016.3	1215.6	1232.0	1185.6	965.1
32.5°	1047.5	1051.6	1035.1	986.7	929.5	921.1	1041.5	1284.4	1315.2	1274.0	1018.7
35°	1204.8	1206.0	1173.6	1120.0	1055.2	1016.3	1086.8	1360.5	1417.3	1386.9	1090.4
37.5°	1358.1	1365.3	1347.6	1263.2	1205.6	1134.8	1161.6	1458.1	1538.1	1526.1	1180.4
40°	1493.7	1504.9	1499.3	1417.7	1342.0	1282.4	1277.6	1572.5	1684.2	1697.8	1299.2
42.5°	1601.7	1608.9	1613.3	1555.3	1488.5	1454.9	1420.9	1705.4	1856.6	1912.2	1444.9
45°	1715.8	1718.2	1727.4	1688.2	1629.7	1632.5	1590.1	1866.6	2038.3	2149.9	1612.1
47.5°	1861.0	1869.0	1864.6	1823.4	1770.6	1802.2	1765.0	2032.7	2217.5	2403.6	1783.4
50°	2037.9	2046.3	2042.3	1994.3	1935.4	1948.6	1925.4	2193.9	2390.4	2642.9	1925.8
52.5°	2129.1	2135.9	2185.5	2207.1	2176.3	2092.3	2062.3	2371.2	2536.4	2839.7	2056.7
55°	2085.1	2089.9	2197.9	2289.2	2402.0	2318.0	2199.9	2508.0	2665.3	2993.4	2153.9
57.5°	1902.6	1928.6	2075.5	2229.9	2467.2	2540.8	2423.2	2656.9	2789.3	3100.2	2249.5
60°	1528.5	1527.3	1737.8	2015.1	2340.0	2602.1	2738.5	2858.2	2913.8	3182.3	2377.6
62.5°	844.7	852.3	1132.4	1497.7	1986.3	2443.6	2975.0	3205.9	3197.5	3325.5	2578.1
65°	420.5	435.7	587.8	857.9	1321.6	2019.5	3015.8	3736.4	3712.4	3662.8	2992.2
67.5°	266.9	272.9	356.9	498.6	734.6	1298.0	2761.7	4132.2	4187.8	4063.0	3403.1
70°	172.9	182.9	248.1	340.9	443.3	669.0	2023.1	3875.7	4003.3	4018.9	3147.0
72.5°	94.0	101.2	158.5	243.3	320.1	334.5	1136.4	2908.6	3113.8	3409.1	2462.0
75°	53.6	58.8	86.8	165.3	234.9	203.7	503.8	1947.0	2077.9	2436.4	1764.2
77.5°	32.4	36.8	48.8	80.4	147.2	136.0	190.5	1185.2	1268.4	1453.7	925.9
80°	14.8	17.6	30.8	44.4	80.4	64.4	72.8	552.6	570.6	596.6	306.5
82.5°	6.8	8.0	14.0	26.4	45.6	37.2	28.0	127.6	179.7	170.1	78.0
85°	0.8	0.8	5.2	10.8	12.8	9.6	11.6	28.8	36.4	51.2	22.4
87.5°	0.0	0.0	0.4	0.4	0.8	1.2	2.4	3.6	5.2	8.4	5.6
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°	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6
2.5°	494.2	483.0	473.0	458.2	448.1	436.9	429.3	420.1	416.5	413.7	409.7
5°	505.4	487.4	463.0	435.7	413.3	392.1	372.5	359.7	348.5	346.9	341.3
7.5°	523.8	497.0	455.8	411.3	373.3	338.1	310.5	288.1	276.9	273.3	266.9
10°	548.2	511.4	444.9	376.9	322.1	280.1	248.9	223.7	206.1	199.7	194.9
12.5°	575.4	524.6	427.7	334.5	272.1	224.1	184.5	157.7	146.4	142.4	138.8
15°	606.6	537.0	400.5	292.1	223.3	164.9	136.8	125.2	120.4	119.2	118.0
17.5°	636.6	545.0	368.1	248.1	171.7	128.0	114.8	110.4	109.2	108.0	107.2
20°	670.6	550.6	330.1	206.5	133.2	108.4	102.0	98.8	96.4	94.0	93.6
22.5°	705.4	550.6	288.9	165.7	111.6	97.2	90.0	84.0	79.6	77.2	76.4
25°	738.6	543.0	248.1	132.4	98.4	86.4	77.2	70.4	64.4	61.6	60.8
27.5°	762.3	523.4	212.5	112.0	89.2	76.8	65.6	58.0	53.2	50.4	50.0
30°	777.1	494.2	179.7	100.0	81.2	66.8	55.6	49.2	45.6	43.6	42.8
32.5°	788.3	458.2	150.5	91.6	73.6	58.0	48.4	43.2	40.0	38.4	38.0
35°	810.7	424.1	128.8	84.0	65.6	50.8	42.4	38.4	36.0	34.0	33.6
37.5°	841.9	395.7	111.6	77.2	58.0	45.2	38.4	34.8	32.8	30.8	30.4
40°	887.9	377.7	98.8	70.4	51.2	40.8	35.2	32.0	29.2	27.2	26.8
42.5°	958.7	369.3	90.4	63.6	45.2	36.8	32.4	28.4	25.6	23.6	23.2
45°	1043.1	373.7	83.2	56.8	41.2	34.0	28.8	24.8	22.0	20.0	19.6
47.5°	1133.6	389.3	77.2	50.4	37.2	31.2	25.6	21.2	18.8	16.8	16.4
50°	1228.0	414.9	72.0	44.4	34.0	28.0	22.0	18.4	16.0	14.4	14.0
52.5°	1310.0	449.7	66.8	40.0	31.2	24.8	19.2	16.0	13.6	12.0	11.6
55°	1388.5	482.6	62.8	36.0	28.0	21.6	16.8	13.6	11.6	10.0	9.6
57.5°	1473.7	517.4	58.0	32.4	25.2	19.2	14.8	11.6	10.0	8.4	8.0
60°	1597.7	569.0	50.8	29.6	22.0	16.8	12.8	10.4	8.8	6.8	6.4
62.5°	1776.6	663.0	42.8	25.6	18.8	14.4	10.8	8.8	7.2	5.6	4.8
65°	2111.1	823.1	35.2	21.2	15.2	12.0	9.2	7.2	5.6	4.0	3.6
67.5°	2352.0	864.7	28.4	17.2	12.4	9.2	7.6	5.6	4.0	2.8	2.4
70°	2056.3	621.0	22.0	14.0	10.4	7.2	6.0	4.4	2.8	2.0	1.6
72.5°	1549.3	405.7	16.4	10.8	8.0	6.0	4.4	3.6	2.4	1.6	1.2
75°	1092.0	234.5	12.0	8.0	5.6	4.4	3.6	2.8	2.0	1.2	1.2
77.5°	559.8	96.8	8.4	5.6	4.0	2.8	2.4	1.6	1.6	1.2	0.8
80°	170.1	32.0	4.8	3.6	2.8	2.0	1.2	1.2	1.2	0.8	0.4
82.5°	38.8	10.4	2.8	2.8	2.0	1.6	1.2	0.4	0.4	0.0	0.0
85°	10.0	3.2	2.4	2.0	2.0	1.6	0.8	0.4	0.0	0.0	0.0
87.5°	3.6	2.0	2.0	2.0	1.6	1.2	0.8	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)