

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: P630413

Luminaire Tested: GWS-SA1D-750-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630413  
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-SA1D-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

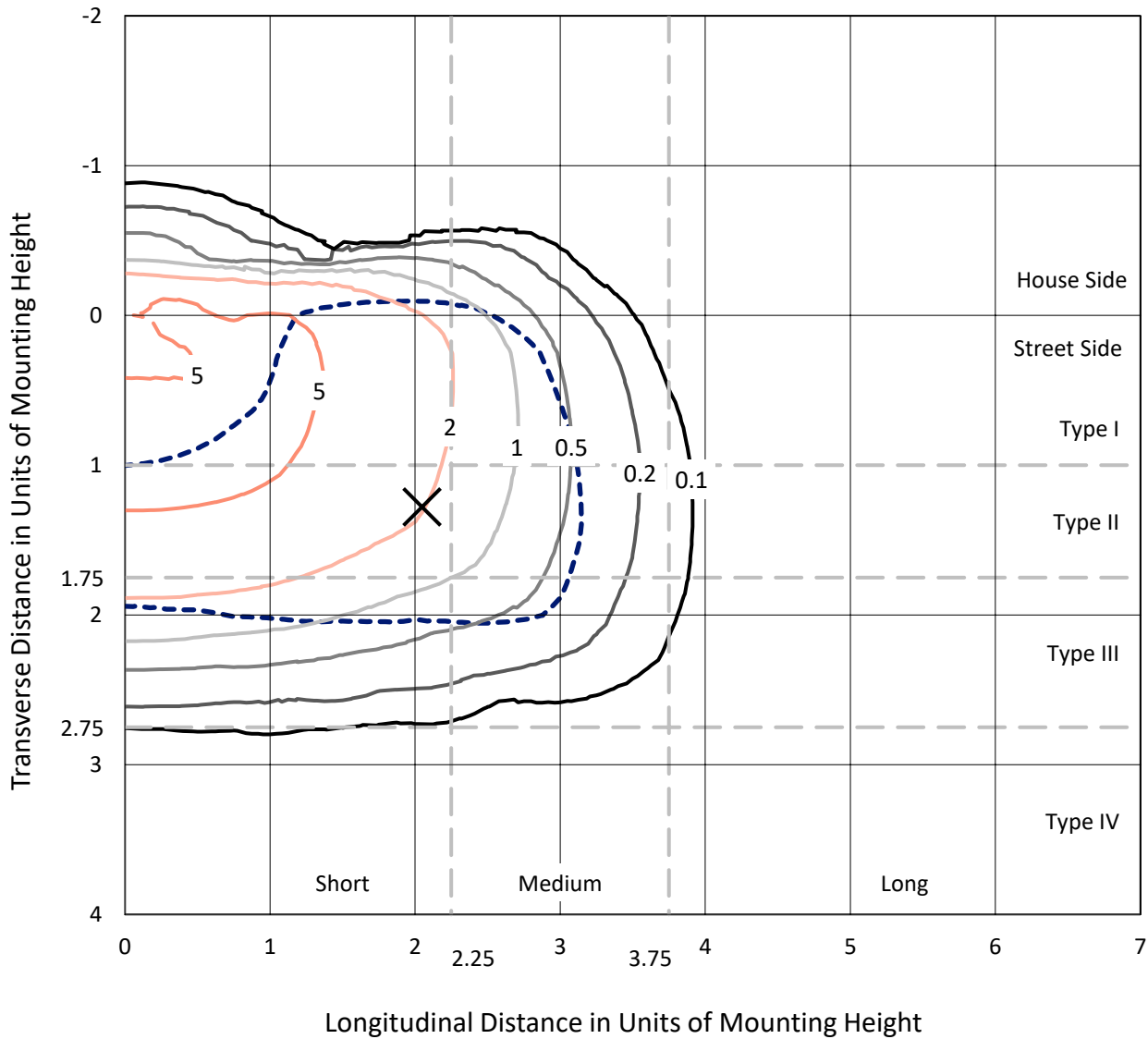
Lumens per Lamp: N/A  
Luminaire Lumens: 4553.7 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

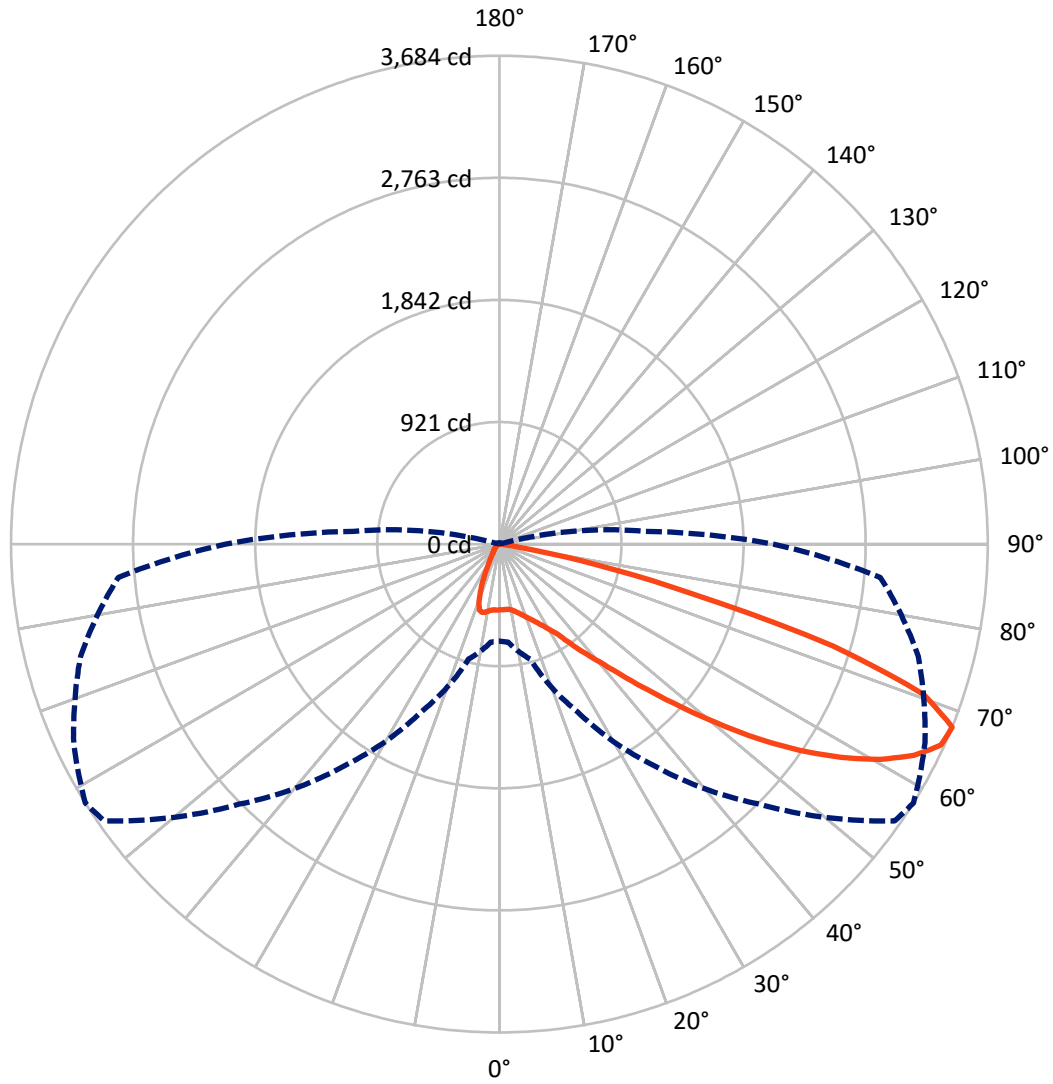
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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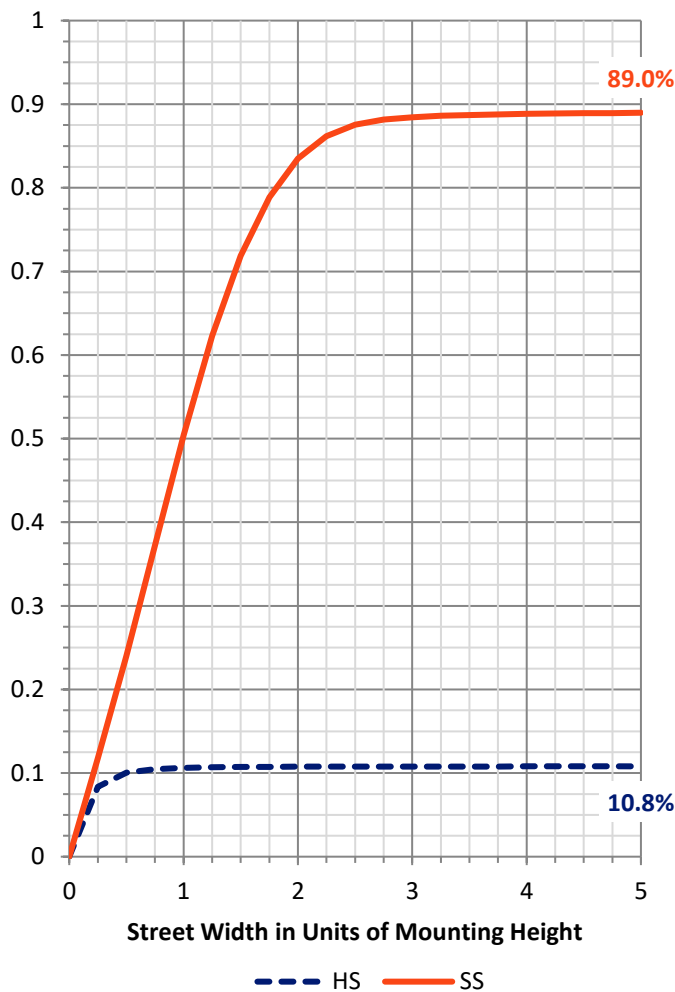
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	496.8	0.0	496.8
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	4056.9	0.0	4056.9
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	4553.7	0.0	4553.7
	% 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°	228.5	5.0
30°-40°	408.0	9.0
40°-50°	745.7	16.4
50°-60°	1240.2	27.2
60°-70°	1347.1	29.6
70°-80°	395.5	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°	4553.7	100.0
0°-180°	4553.7	100.0

**Coefficient of Utilization**



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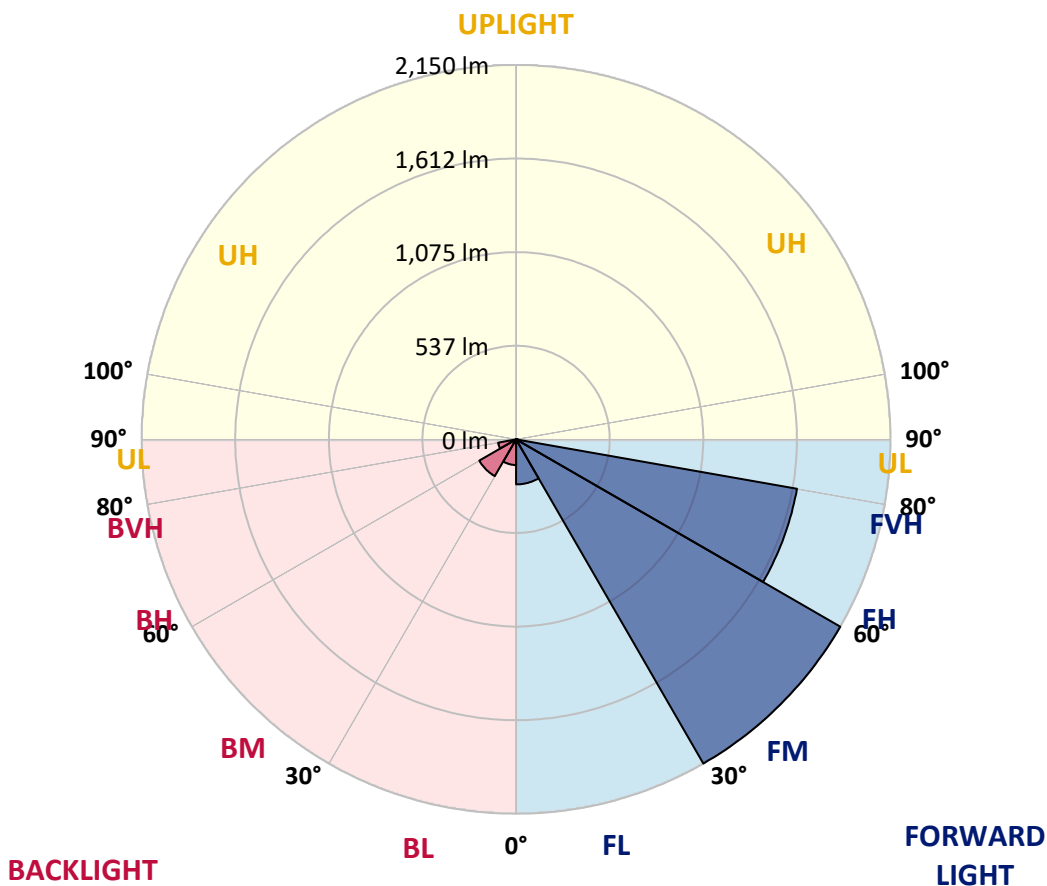
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.6	5.7			
FM (30°-60°)	2149.9	47.2			
FH (60°-80°)	1637.7	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°)	244.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2
2.5°	486.9	486.0	486.0	489.5	490.0	491.8	495.8	496.2	498.4	497.6	494.4
5°	461.5	462.0	464.6	470.9	476.2	482.9	492.7	494.9	499.8	502.4	500.7
7.5°	438.0	438.4	442.4	452.2	462.4	475.8	491.8	496.2	506.0	513.1	513.6
10°	429.1	428.6	432.6	443.7	457.1	475.8	498.9	504.7	519.3	531.8	534.0
12.5°	431.7	431.3	435.3	445.5	460.2	483.8	511.3	519.3	538.0	557.1	561.1
15°	442.4	442.0	444.6	453.1	469.1	493.5	527.3	539.3	562.9	586.0	592.3
17.5°	474.4	472.2	469.5	470.4	479.8	505.1	547.8	562.5	591.8	619.4	624.7
20°	531.3	525.6	518.4	509.1	504.7	522.0	571.4	588.3	623.8	655.4	656.3
22.5°	617.2	614.9	598.5	571.4	552.2	552.7	598.9	618.5	662.1	696.7	691.9
25°	736.8	735.4	710.1	665.6	615.8	598.9	634.1	654.1	707.4	744.3	728.8
27.5°	885.3	875.9	846.1	786.1	711.9	659.0	678.5	696.3	755.4	790.1	760.8
30°	1014.7	1015.1	987.1	924.4	840.8	749.2	732.8	748.3	799.5	835.9	800.4
32.5°	1139.2	1143.2	1112.5	1056.0	964.4	867.0	810.6	813.2	855.9	895.5	852.4
35°	1254.8	1257.9	1236.5	1188.5	1103.1	990.2	919.1	917.7	940.9	981.3	924.8
37.5°	1384.2	1387.3	1366.4	1323.2	1243.2	1131.2	1042.2	1040.5	1049.8	1082.7	1018.2
40°	1522.0	1527.8	1504.7	1468.2	1391.7	1297.0	1185.4	1169.4	1160.1	1198.7	1139.2
42.5°	1661.6	1670.5	1662.5	1626.0	1560.7	1482.4	1371.3	1346.4	1326.4	1374.8	1311.7
45°	1835.0	1845.7	1842.1	1814.1	1763.4	1699.9	1594.9	1566.0	1556.7	1601.6	1526.4
47.5°	2001.8	2013.3	2026.2	2020.0	1984.0	1954.6	1838.1	1821.7	1819.0	1867.0	1750.5
50°	2125.8	2136.5	2185.8	2221.4	2245.9	2239.6	2138.7	2114.3	2110.3	2140.9	1987.1
52.5°	2214.7	2225.0	2293.0	2404.2	2494.0	2542.9	2441.1	2435.7	2413.9	2403.3	2208.5
55°	2283.7	2297.9	2369.5	2537.6	2718.5	2827.0	2763.4	2744.3	2688.3	2626.9	2413.9
57.5°	2297.5	2303.2	2404.2	2630.9	2892.8	3068.5	3068.5	3035.1	2927.1	2842.1	2651.4
60°	2173.8	2191.6	2328.1	2623.4	2967.5	3226.3	3321.5	3298.3	3152.5	3048.0	2879.9
62.5°	1899.5	1919.5	2085.8	2442.4	2892.8	3258.8	3513.1	3509.5	3345.0	3218.3	3069.3
65°	1456.6	1471.3	1616.3	2043.1	2577.1	3133.8	3650.0	3659.8	3497.1	3330.8	3134.7
67.5°	731.9	742.1	898.6	1395.7	2042.7	2774.1	3640.7	3684.3	3543.3	3271.2	2885.3
70°	255.7	265.9	339.7	598.9	1243.2	2118.3	3325.9	3397.0	3271.7	2792.3	2128.5
72.5°	87.6	92.5	141.0	222.3	483.8	1255.7	2529.1	2636.3	2411.7	1874.6	1223.2
75°	49.8	52.9	75.6	120.5	202.8	413.1	1434.9	1500.7	1405.9	1021.8	503.3
77.5°	33.8	36.5	47.1	68.5	112.0	132.9	585.1	736.8	642.5	333.5	128.5
80°	20.0	21.8	28.9	40.5	57.4	51.6	125.4	166.7	214.8	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2
2.5°	498.0	494.9	498.4	496.7	498.4	498.0	494.4	492.2	492.2	488.2	486.9
5°	504.2	501.1	502.0	498.0	497.1	494.9	490.4	488.7	488.7	484.7	483.3
7.5°	518.0	513.1	512.2	504.2	500.7	494.4	486.4	483.3	482.9	478.9	477.5
10°	539.8	534.0	530.0	519.8	509.6	497.1	480.2	466.0	458.0	447.3	446.4
12.5°	566.5	559.4	553.1	537.6	520.7	492.7	442.9	390.8	358.8	333.5	335.3
15°	596.3	589.6	579.8	556.2	521.6	448.6	344.6	264.6	225.4	204.5	203.6
17.5°	628.7	618.9	602.9	570.9	493.5	342.8	224.1	158.3	137.8	130.7	128.9
20°	659.0	646.9	626.9	574.0	412.6	232.1	140.1	122.7	119.2	116.9	116.9
22.5°	691.0	675.9	646.1	550.0	306.8	148.5	119.2	115.2	112.5	109.4	108.9
25°	723.4	703.9	663.4	487.3	201.0	116.9	111.6	107.2	102.3	97.4	96.0
27.5°	751.0	725.7	676.7	394.0	128.9	105.4	101.8	94.3	87.6	82.3	81.4
30°	783.9	751.4	682.5	288.1	101.4	92.9	87.6	79.6	71.6	66.3	64.5
32.5°	827.9	792.3	673.6	187.6	89.8	81.8	73.4	64.0	56.0	50.2	49.4
35°	896.4	854.2	632.7	119.6	81.4	70.7	60.5	50.7	44.0	39.6	38.7
37.5°	980.0	940.9	565.6	89.8	72.9	61.4	49.4	40.0	35.1	32.0	31.1
40°	1104.0	1049.3	482.4	78.7	64.5	52.0	40.5	32.9	29.3	26.7	25.8
42.5°	1265.0	1177.4	386.8	71.6	56.5	43.6	32.9	27.1	24.0	22.2	21.8
45°	1453.1	1302.3	285.9	64.5	48.9	36.0	27.1	22.2	20.0	18.7	18.2
47.5°	1645.6	1411.7	197.4	56.9	41.8	29.8	22.7	19.1	17.3	15.6	15.1
50°	1851.0	1504.2	134.7	49.4	35.6	24.5	19.6	17.3	15.1	13.8	13.3
52.5°	2001.8	1538.5	93.8	42.7	30.2	20.9	17.3	15.6	13.8	12.0	11.6
55°	2140.9	1537.6	71.1	36.0	25.8	18.2	15.6	13.8	12.0	10.7	10.2
57.5°	2279.7	1525.6	56.0	30.7	22.2	16.5	13.8	12.0	11.1	9.3	8.9
60°	2369.5	1480.2	43.6	25.8	19.1	14.2	12.0	10.7	9.3	8.0	7.6
62.5°	2417.1	1417.1	33.3	20.5	15.6	12.4	10.7	9.3	8.0	6.7	6.2
65°	2352.6	1305.0	26.2	16.0	12.0	10.7	8.9	7.6	6.2	4.9	4.4
67.5°	2066.7	1100.5	20.5	12.9	9.3	8.0	7.6	6.2	4.4	3.6	3.1
70°	1460.6	753.7	16.0	9.8	7.1	6.2	5.8	4.9	3.6	2.7	2.2
72.5°	801.7	380.2	11.6	7.1	5.3	4.9	4.4	4.0	3.1	2.2	2.2
75°	308.6	104.5	8.4	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°	8.4	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)