

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: P630579

Luminaire Tested: GWS-SA1D-830-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630579  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-830-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

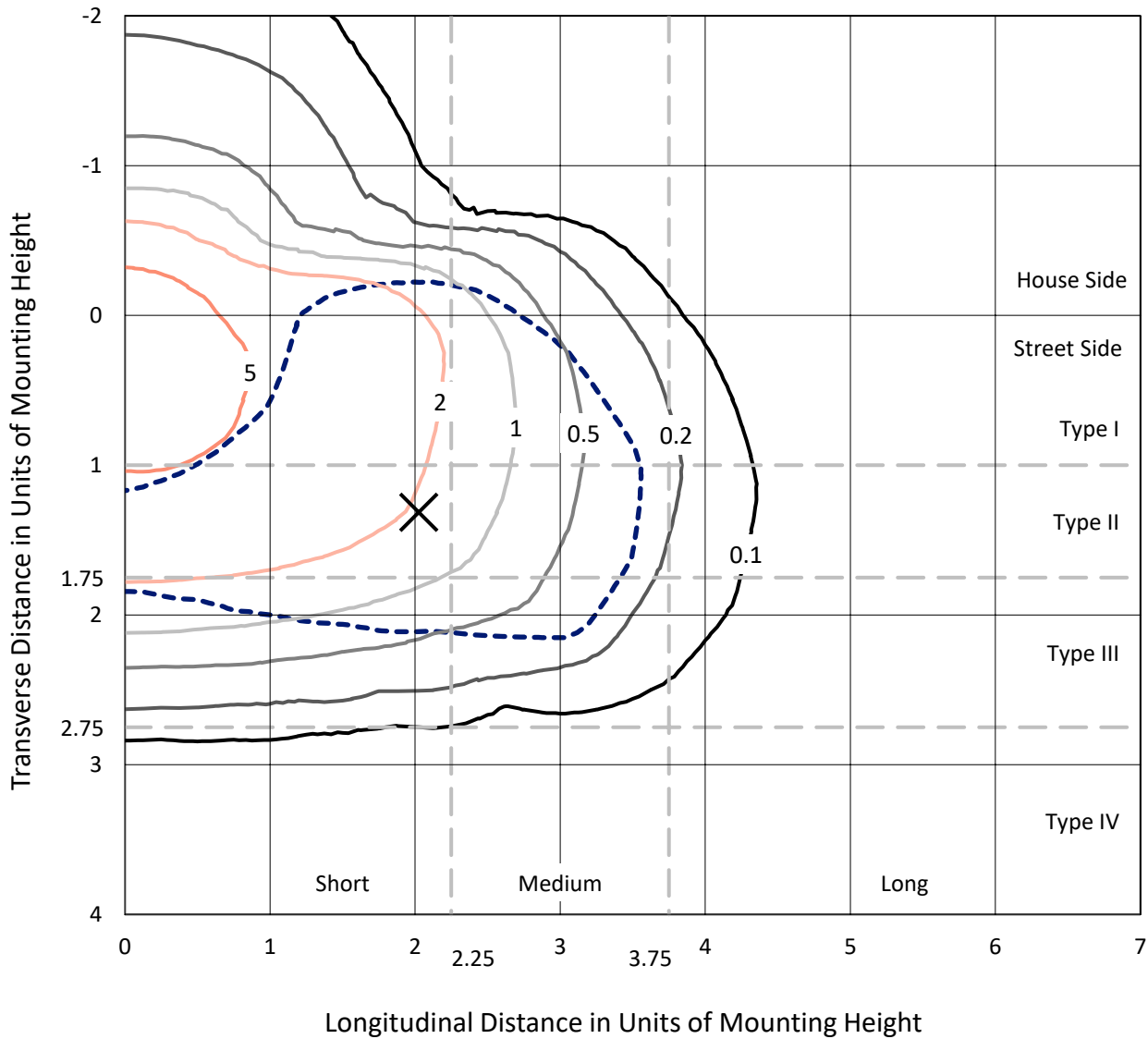
Lumens per Lamp: N/A  
Luminaire Lumens: 4820.3 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

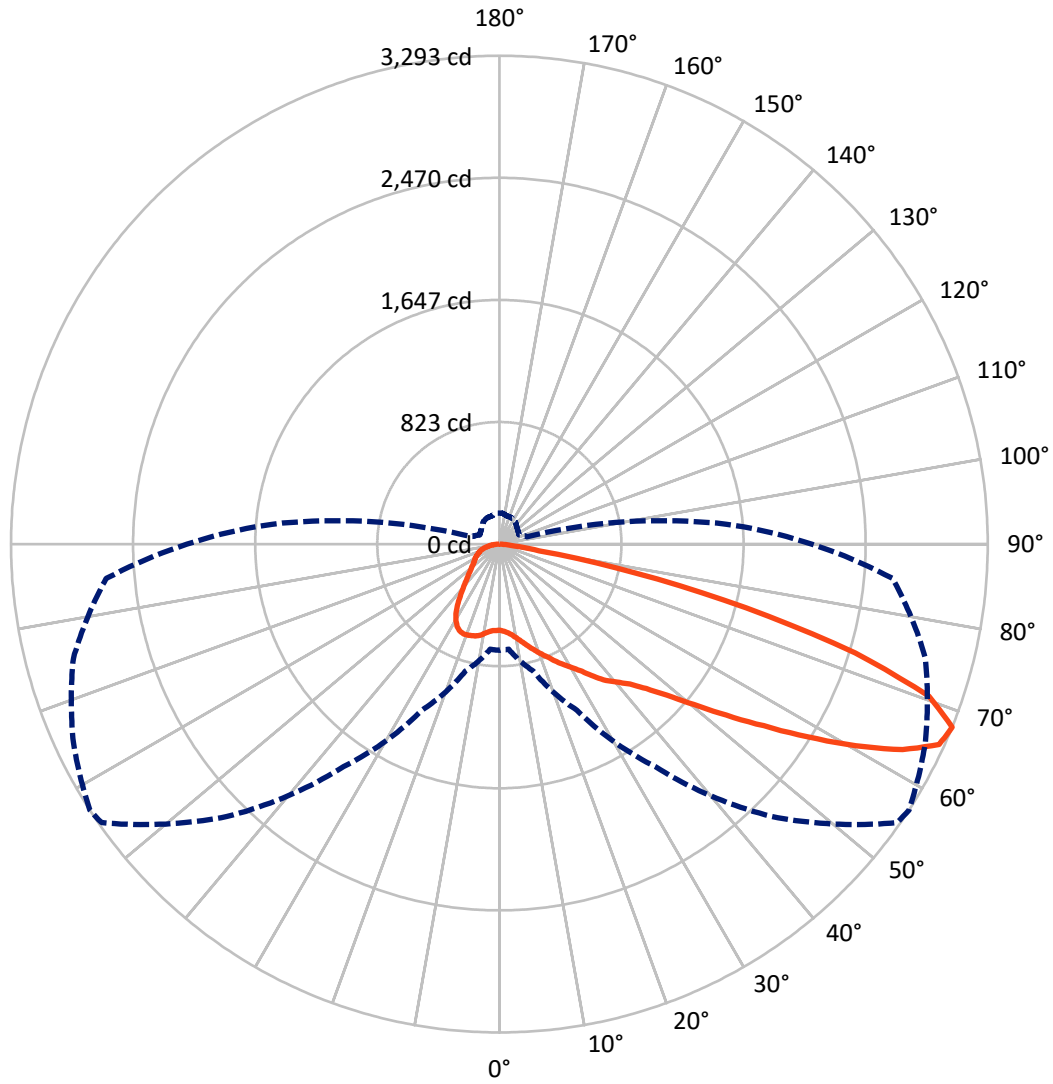
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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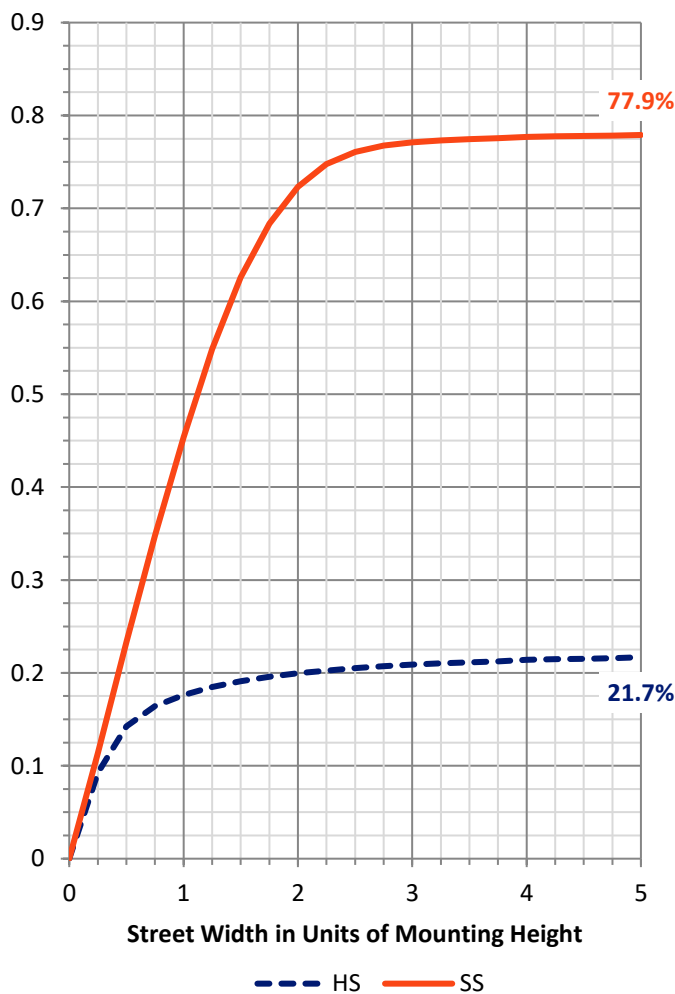
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1059.8	0.0	1059.8
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	3760.5	0.0	3760.5
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	4820.3	0.0	4820.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	1.2
10°-20°	190.7	4.0
20°-30°	340.0	7.1
30°-40°	494.3	10.3
40°-50°	715.4	14.8
50°-60°	1119.6	23.2
60°-70°	1306.1	27.1
70°-80°	545.2	11.3
80°-90°	51.4	1.1
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°	4820.3	100.0
0°-180°	4820.3	100.0

**Coefficient of Utilization**



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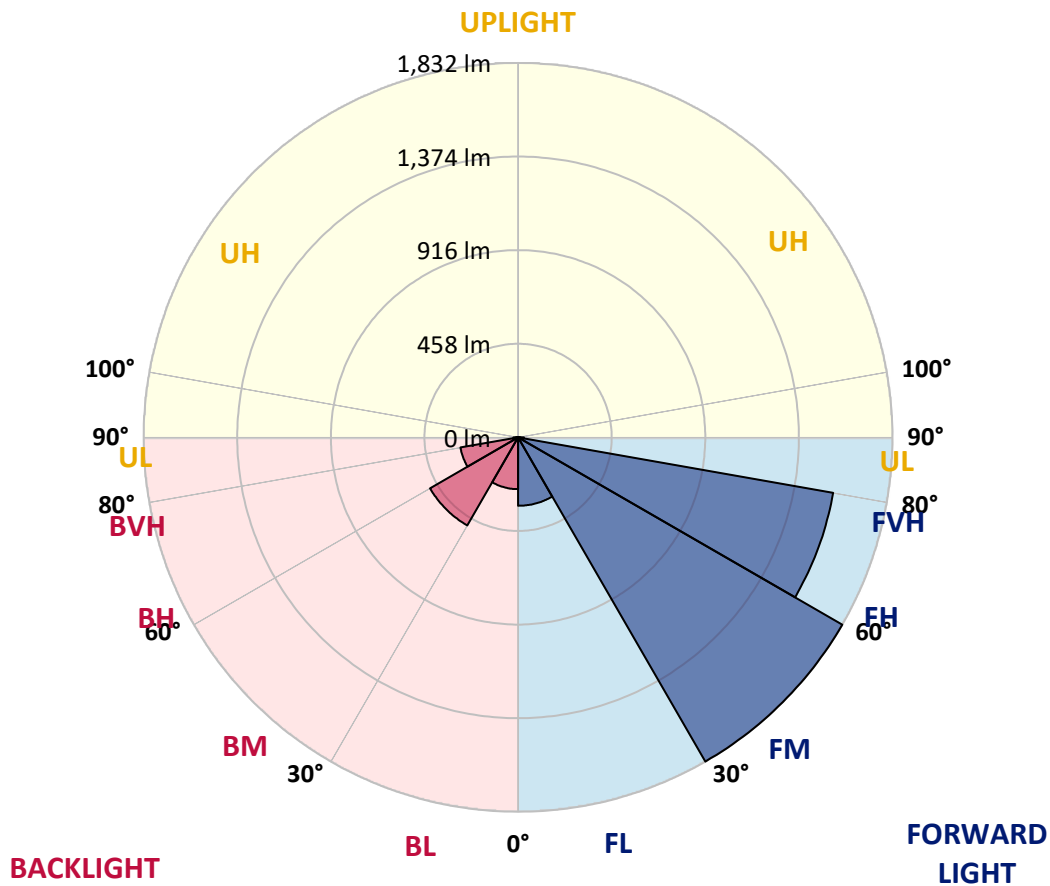
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.8	6.9			
FM (30°-60°)	1831.8	38.0			
FH (60°-80°)	1565.2	32.5			G1/1800
FVH (80°-90°)	28.7	0.6			G1/100
BL (0°-30°)	253.5	5.3	B1/500		
BM (30°-60°)	497.5	10.3	B1/1000		
BH (60°-80°)	286.1	5.9	B1/500		G1/500
BVH (80°-90°)	22.8	0.5			G1/100
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°	57°	65°	75°	85°
0°	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8
2.5°	589.1	588.4	588.1	590.1	589.4	589.1	589.1	588.8	588.1	585.3	581.5
5°	605.3	603.9	602.6	604.3	602.9	601.5	601.2	600.5	598.1	593.9	588.1
7.5°	622.3	620.9	621.2	622.3	621.2	620.5	619.5	618.8	615.0	608.4	600.5
10°	646.1	646.1	646.8	647.8	648.1	647.1	645.0	644.0	639.5	631.2	620.2
12.5°	680.6	679.9	679.9	679.2	680.3	679.2	677.2	675.4	669.9	659.2	643.3
15°	726.2	723.4	721.0	716.5	715.1	711.3	712.0	711.0	705.8	691.3	671.3
17.5°	774.9	774.5	770.7	761.8	752.8	746.6	747.9	747.6	744.8	725.2	699.6
20°	817.7	819.4	816.0	809.1	797.0	785.2	784.5	786.3	782.8	763.1	727.6
22.5°	865.7	864.3	860.9	851.9	842.9	830.5	826.3	824.9	823.6	801.1	756.2
25°	911.3	915.4	910.9	902.6	888.8	875.4	871.9	873.3	869.5	839.8	787.0
27.5°	968.9	970.7	967.9	956.5	944.8	925.8	919.2	919.2	917.8	876.1	811.1
30°	1030.4	1035.2	1030.4	1021.1	1009.0	981.7	967.6	966.2	962.0	913.3	839.5
32.5°	1092.2	1095.7	1092.2	1083.2	1069.4	1045.6	1025.2	1022.1	1016.6	954.1	868.5
35°	1147.1	1150.2	1149.5	1151.6	1140.2	1110.2	1097.7	1096.4	1081.9	1007.3	907.8
37.5°	1207.2	1211.0	1205.8	1210.0	1205.5	1177.2	1173.4	1166.5	1145.7	1057.3	949.3
40°	1275.6	1279.0	1270.7	1272.5	1267.3	1251.4	1232.1	1222.7	1192.0	1111.6	1014.5
42.5°	1348.8	1356.7	1360.5	1357.4	1345.3	1336.4	1302.5	1290.8	1265.2	1209.3	1121.9
45°	1454.8	1466.5	1472.1	1464.1	1458.9	1446.2	1404.7	1390.6	1377.1	1347.1	1271.8
47.5°	1569.1	1579.8	1597.4	1600.9	1605.0	1595.3	1537.0	1523.2	1525.6	1522.1	1456.2
50°	1660.3	1669.2	1708.9	1751.4	1786.6	1789.4	1714.8	1700.0	1713.1	1724.1	1678.2
52.5°	1726.6	1734.5	1787.0	1874.7	1954.5	2013.5	1933.1	1916.1	1926.8	1951.7	1930.6
55°	1780.4	1791.5	1846.4	1981.0	2142.3	2235.5	2184.1	2162.7	2158.2	2188.9	2201.0
57.5°	1808.7	1812.2	1889.2	2064.3	2280.1	2453.4	2475.9	2451.7	2408.9	2425.8	2488.7
60°	1744.2	1750.0	1855.4	2085.7	2388.9	2669.6	2782.2	2762.1	2671.0	2680.3	2749.7
62.5°	1565.6	1573.9	1700.7	1983.8	2397.8	2813.9	3065.0	3052.2	2930.0	2879.5	2900.3
65°	1255.9	1258.7	1389.9	1731.7	2219.3	2831.9	3262.2	3259.0	3110.9	2992.8	2904.1
67.5°	716.2	711.3	886.8	1235.2	1831.5	2598.5	3274.9	3293.2	3169.6	2974.2	2662.3
70°	310.4	311.1	391.9	609.5	1185.5	2100.2	3041.8	3073.3	2999.7	2663.7	2118.1
72.5°	143.6	145.7	180.6	263.8	506.2	1302.9	2480.4	2508.7	2445.5	2132.0	1541.1
75°	101.5	103.2	120.5	151.2	232.7	507.6	1659.2	1718.6	1749.3	1594.6	1015.6
77.5°	77.0	79.4	88.1	105.0	143.6	179.9	793.9	935.4	1114.3	992.1	523.1
80°	49.0	49.0	58.4	70.1	87.7	93.6	229.3	271.8	545.2	408.8	205.5
82.5°	33.1	34.2	39.7	44.5	50.4	53.2	98.4	105.0	157.5	139.2	84.6
85°	17.6	18.3	20.7	20.4	24.2	21.1	41.4	41.1	57.7	63.2	32.1
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	4.5	4.8	12.1	19.3	10.7
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°	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8
2.5°	583.6	579.4	581.5	580.8	582.9	582.9	579.1	578.1	578.4	574.3	572.9
5°	588.8	583.9	585.0	583.6	585.6	587.4	585.6	585.6	587.7	584.6	582.9
7.5°	600.5	595.0	595.0	593.2	595.7	597.0	595.7	597.7	601.5	598.4	596.7
10°	619.1	612.6	612.9	610.9	611.9	611.2	605.7	603.9	605.0	602.2	600.8
12.5°	643.3	634.3	634.3	630.2	627.8	620.5	609.1	605.0	605.7	603.3	602.2
15°	666.5	658.2	656.4	648.1	637.1	623.6	613.3	610.5	611.2	608.8	607.1
17.5°	693.7	683.0	676.8	661.6	641.2	627.4	617.1	610.5	605.0	599.5	598.1
20°	718.9	705.5	694.1	670.6	645.7	626.7	607.4	591.2	577.7	570.5	568.7
22.5°	744.8	727.6	707.5	676.8	645.4	614.3	578.7	554.2	534.2	523.5	525.6
25°	769.4	747.6	720.3	682.7	634.3	586.7	538.3	501.7	478.9	470.7	468.2
27.5°	789.7	762.8	732.1	679.9	611.5	547.0	483.1	442.3	420.2	410.9	408.5
30°	812.5	782.1	749.0	667.1	575.6	491.4	420.6	387.4	371.6	362.6	362.9
32.5°	838.8	807.0	772.8	642.6	529.7	431.3	369.1	346.3	333.6	324.6	323.2
35°	874.0	842.6	788.7	605.7	471.3	376.0	333.9	315.3	299.4	287.6	285.2
37.5°	917.5	896.1	790.4	556.3	408.8	338.1	308.7	288.7	269.3	253.8	252.1
40°	992.1	967.6	776.3	494.5	355.7	313.5	287.6	264.5	242.1	224.8	222.4
42.5°	1098.4	1048.0	745.9	424.7	315.6	294.2	267.6	238.3	215.5	203.4	201.7
45°	1233.8	1137.8	700.3	359.1	285.9	275.2	246.6	215.8	203.7	195.1	193.4
47.5°	1399.5	1242.4	647.8	308.0	262.8	257.9	225.1	208.2	197.5	190.3	188.5
50°	1597.8	1375.7	604.6	268.0	242.1	237.9	218.2	203.7	195.1	189.2	187.8
52.5°	1823.9	1523.9	583.6	239.3	224.1	220.0	215.8	202.7	195.4	191.0	189.2
55°	2058.7	1679.9	563.9	217.2	208.9	211.3	216.2	206.2	200.6	194.8	193.0
57.5°	2285.6	1826.4	515.5	199.9	197.9	207.2	217.9	209.6	203.0	197.2	195.1
60°	2442.0	1906.5	433.7	186.1	189.6	202.0	213.4	204.4	196.1	193.7	192.7
62.5°	2484.2	1896.8	336.7	172.0	179.6	190.6	201.7	195.8	187.2	191.0	191.3
65°	2385.8	1793.2	252.8	158.2	166.4	175.8	189.6	187.2	184.1	194.4	194.8
67.5°	2107.1	1538.7	192.7	146.1	153.0	164.4	185.8	195.8	196.5	209.6	208.2
70°	1594.3	1149.5	150.9	134.7	142.6	164.4	197.9	202.4	194.1	206.2	203.4
72.5°	1102.2	758.6	128.5	124.7	129.8	156.8	197.5	197.5	188.5	188.5	183.4
75°	684.8	446.1	111.9	111.9	111.9	137.1	192.0	182.0	166.1	158.8	154.7
77.5°	338.1	216.9	93.9	97.4	93.6	114.6	156.8	148.8	139.2	131.6	128.8
80°	144.3	108.4	76.0	79.8	75.3	86.3	124.3	122.6	113.3	103.2	100.1
82.5°	66.3	55.9	60.8	62.5	54.9	64.9	90.8	90.8	85.6	71.8	66.6
85°	28.3	29.7	42.1	42.1	34.5	36.6	48.7	46.3	41.4	33.8	31.1
87.5°	9.7	14.5	21.4	18.6	7.3	3.1	1.7	0.7	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)