

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: P634422

Luminaire Tested: GWS-SA3B-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-760-U-T2R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

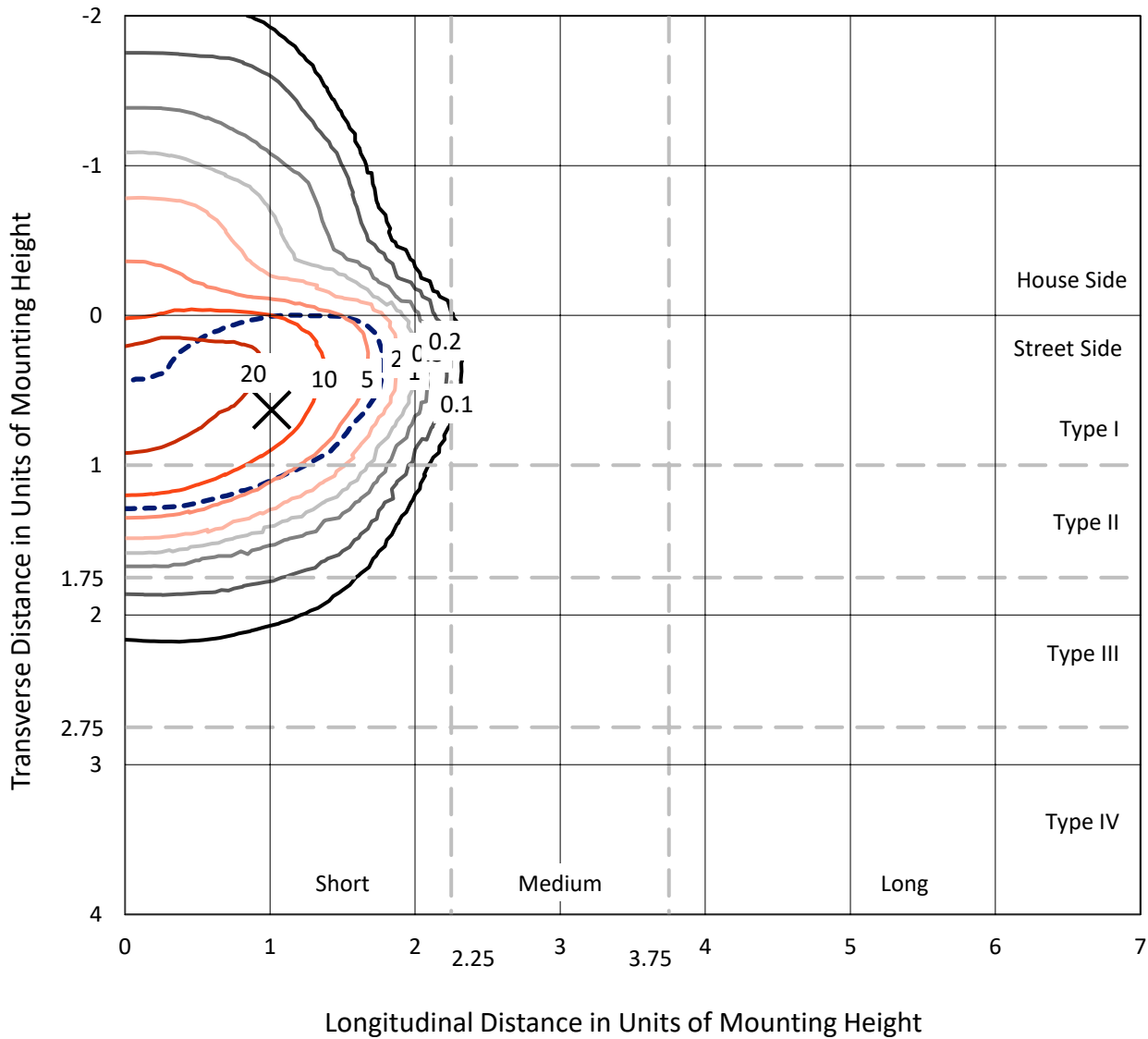
Lumens per Lamp: N/A  
Luminaire Lumens: 7034.6 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

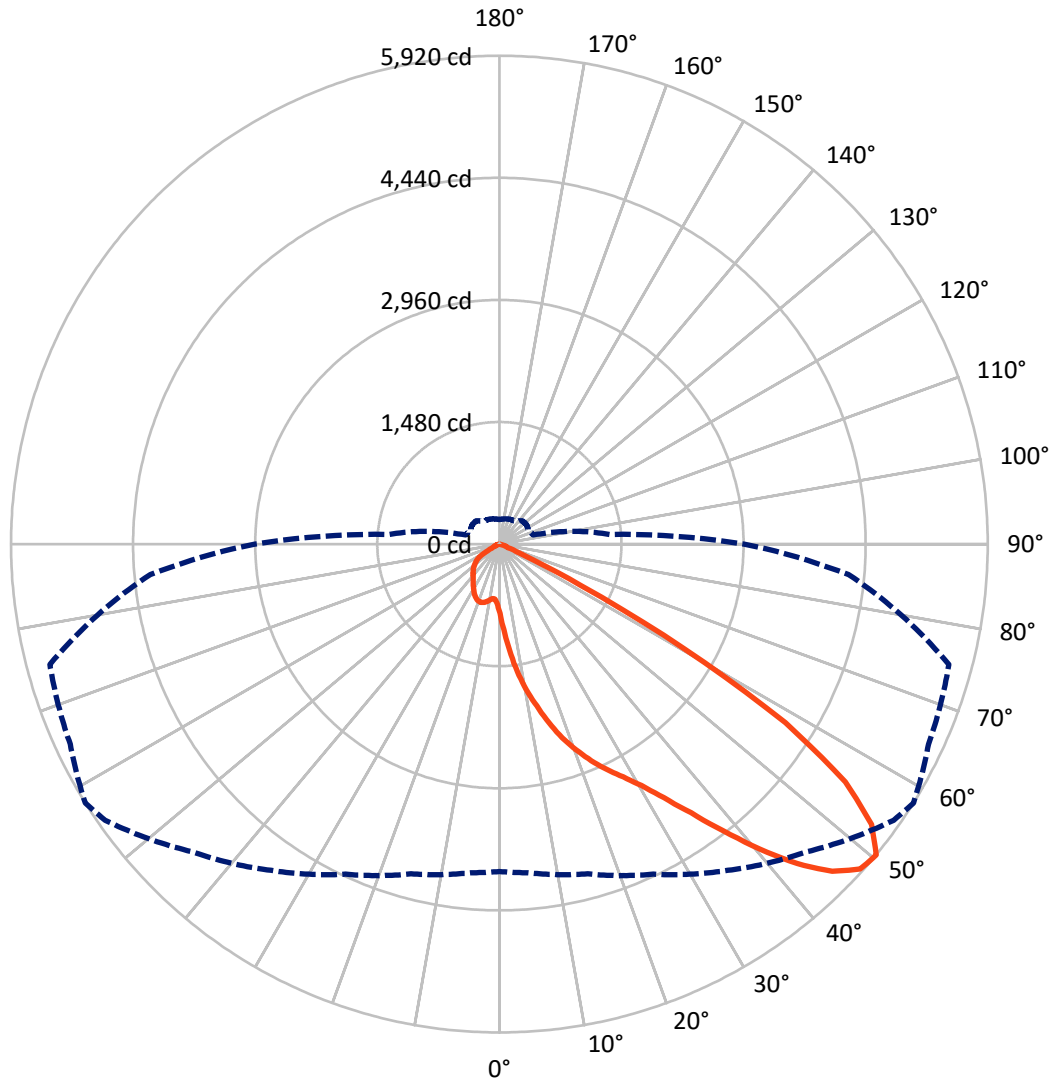
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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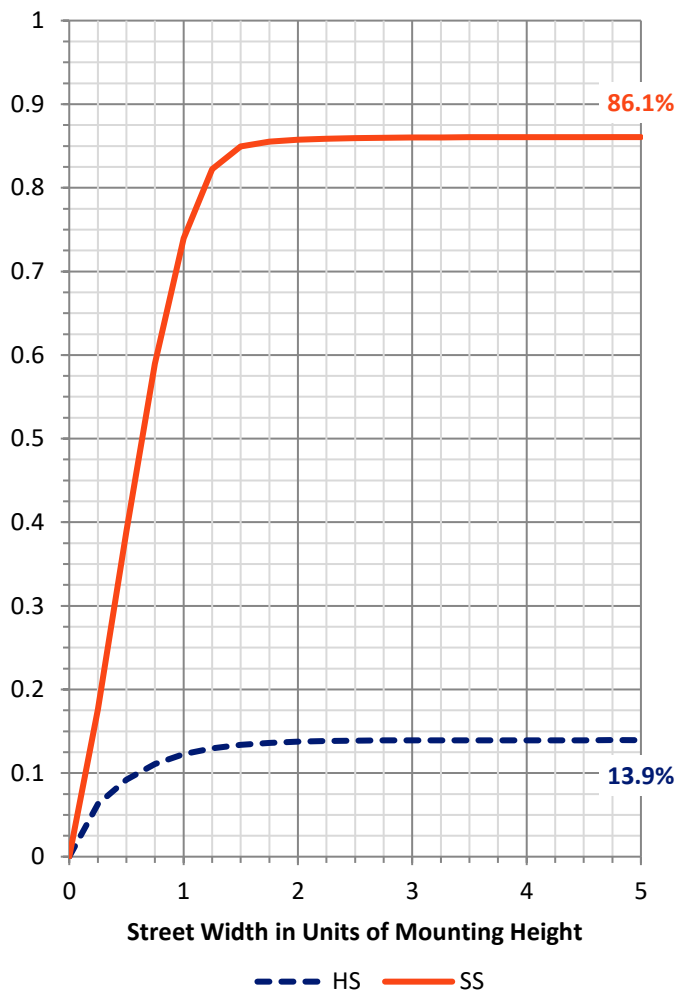
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	985.3	0.0	985.3
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	6049.3	0.0	6049.3
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	7034.6	0.0	7034.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.1	1.5
10°-20°	412.1	5.9
20°-30°	833.9	11.9
30°-40°	1475.2	21.0
40°-50°	2150.6	30.6
50°-60°	1723.7	24.5
60°-70°	310.5	4.4
70°-80°	24.5	0.3
80°-90°	0.0	0.0
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°	7034.6	100.0
0°-180°	7034.6	100.0

**Coefficient of Utilization**



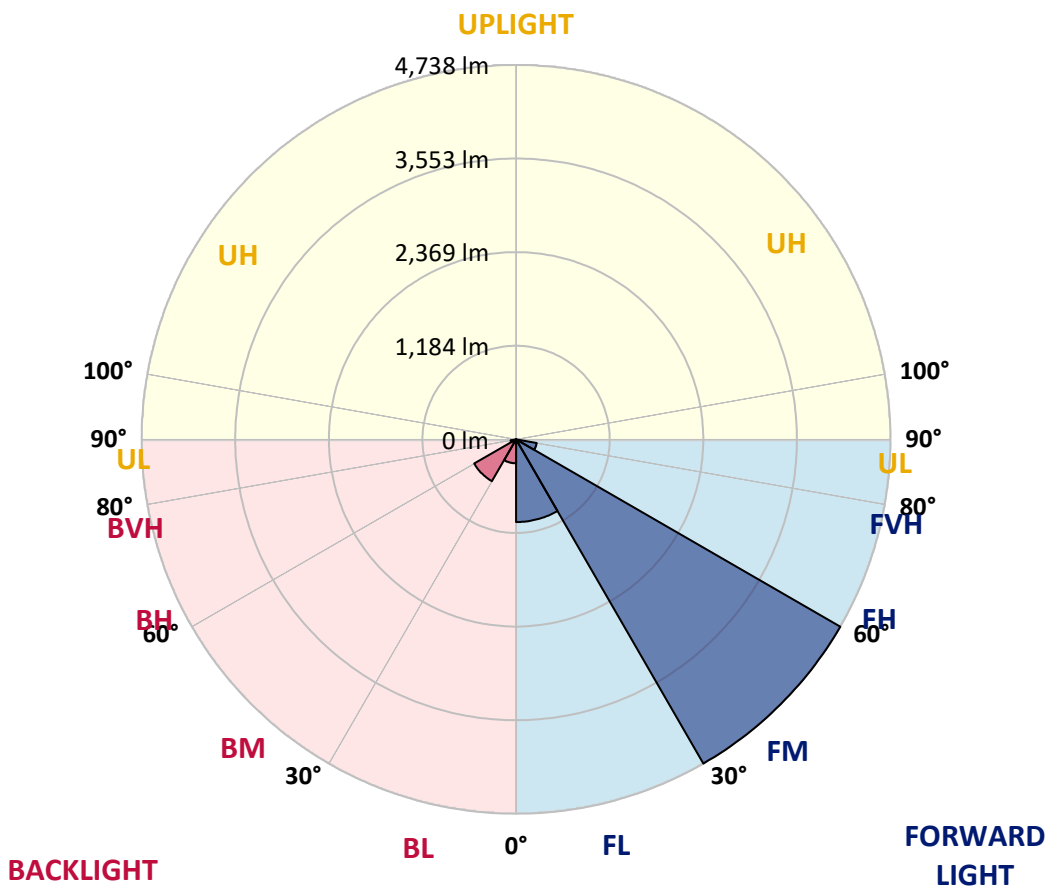
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1046.7	14.9			
FM (30°-60°)	4737.6	67.3			
FH (60°-80°)	265.0	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	303.3	4.3	B1/500		
BM (30°-60°)	611.9	8.7	B1/1000		
BH (60°-80°)	70.0	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3
2.5°	1243.5	1223.9	1212.6	1203.6	1163.7	1100.6	1059.2	1037.4	1001.3	940.3	887.7
5°	1622.6	1608.3	1582.0	1563.9	1512.8	1423.3	1330.7	1293.9	1211.9	1074.2	950.9
7.5°	1873.9	1863.3	1853.6	1829.5	1781.3	1700.1	1597.8	1559.4	1433.0	1237.5	1035.1
10°	2067.2	2058.9	2047.6	2046.9	2009.3	1936.3	1836.3	1796.4	1659.5	1415.0	1134.4
12.5°	2237.2	2230.4	2228.2	2249.2	2225.2	2171.0	2062.7	2013.0	1867.9	1596.3	1244.2
15°	2353.8	2352.3	2362.1	2403.5	2417.0	2392.2	2301.2	2247.7	2080.7	1778.3	1365.3
17.5°	2407.2	2411.7	2430.5	2502.0	2562.2	2583.2	2513.3	2468.2	2292.1	1962.6	1494.7
20°	2498.2	2496.7	2508.0	2575.7	2649.4	2724.7	2703.6	2665.2	2505.8	2157.5	1638.4
22.5°	2754.8	2732.9	2708.9	2719.4	2745.7	2833.8	2872.9	2853.3	2726.2	2357.6	1786.6
25°	3148.9	3126.4	3048.9	2973.7	2924.0	2963.9	3017.3	3027.1	2945.1	2562.9	1941.6
27.5°	3567.2	3546.9	3459.6	3346.8	3204.6	3135.4	3175.3	3194.8	3160.2	2807.4	2106.3
30°	3959.1	3932.0	3836.5	3696.6	3531.8	3425.8	3380.6	3394.2	3414.5	3097.0	2299.6
32.5°	4299.1	4278.8	4164.5	4017.1	3858.3	3747.7	3642.4	3665.0	3714.6	3451.4	2547.1
35°	4587.3	4576.7	4455.6	4308.9	4141.2	4084.8	3994.5	3999.0	4048.6	3879.4	2848.8
37.5°	4837.8	4819.7	4709.9	4573.7	4440.6	4431.5	4406.7	4409.0	4434.6	4378.1	3195.6
40°	4995.7	4979.2	4901.0	4816.7	4721.9	4723.4	4852.1	4861.8	4832.5	4867.9	3561.9
42.5°	5055.2	5043.1	5001.0	5001.8	4992.0	5036.4	5277.8	5295.9	5190.6	5252.3	3874.9
45°	4952.1	4946.8	4949.9	5058.2	5175.5	5312.4	5626.1	5657.7	5508.8	5507.3	4119.4
47.5°	4619.6	4609.1	4697.1	4881.4	5153.0	5419.3	5836.8	5885.7	5731.4	5653.2	4272.8
50°	3968.2	3998.2	4137.4	4414.2	4827.2	5272.6	5834.5	5919.5	5739.7	5640.4	4247.2
52.5°	2874.4	2868.4	3173.0	3553.7	4056.2	4803.2	5524.6	5648.7	5538.9	5514.8	4190.1
55°	1563.9	1618.9	1824.2	2328.2	2955.6	3914.7	4816.7	5087.5	5214.6	5468.9	4293.1
57.5°	574.7	598.8	727.4	1084.0	1564.7	2434.3	3679.3	4087.8	4480.4	5341.0	4275.8
60°	231.7	236.2	287.4	398.7	657.5	1239.0	2207.1	2569.7	2939.8	4088.5	3281.3
62.5°	168.5	174.5	194.8	233.2	332.5	541.6	951.6	1106.6	1209.6	2025.1	1616.6
65°	136.2	140.7	157.2	174.5	219.7	291.1	306.9	295.6	294.1	523.6	370.9
67.5°	112.8	117.4	129.4	141.4	158.0	145.2	105.3	110.6	90.3	89.5	73.0
70°	82.7	88.0	100.1	112.8	94.8	39.1	60.9	90.3	68.5	57.2	55.7
72.5°	62.4	66.2	77.5	73.7	27.8	15.0	40.6	65.4	52.7	42.1	41.4
75°	46.6	48.9	39.1	12.0	3.0	3.8	15.0	27.1	29.3	24.1	24.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.3	3.0	3.8	4.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3
2.5°	857.6	826.0	780.8	743.2	714.6	686.8	665.7	644.7	643.9	633.4	631.1
5°	893.7	836.5	753.8	694.3	658.2	636.4	621.4	613.8	610.1	606.3	604.8
7.5°	945.6	863.6	749.2	686.1	656.0	641.7	631.1	626.6	624.4	621.4	620.6
10°	1009.5	902.7	765.8	701.9	675.5	662.0	650.7	643.9	640.2	634.9	633.4
12.5°	1086.3	950.9	792.1	728.2	700.4	682.3	667.3	657.5	652.2	645.4	643.9
15°	1169.0	1002.8	821.5	752.3	719.2	695.8	677.0	662.0	652.2	643.9	641.7
17.5°	1254.8	1055.4	847.8	768.8	728.2	700.4	673.3	653.0	640.9	630.4	627.4
20°	1351.1	1109.6	865.1	771.8	725.2	688.3	656.7	631.1	619.1	604.8	601.8
22.5°	1451.9	1160.0	872.6	765.0	708.6	665.7	631.9	605.6	588.3	573.2	568.7
25°	1549.6	1205.1	868.9	746.2	683.8	634.2	599.5	572.5	553.7	538.6	534.9
27.5°	1653.5	1242.7	855.3	718.4	649.9	599.5	566.4	543.1	525.8	509.3	505.5
30°	1770.1	1277.3	833.5	684.6	610.1	564.2	538.6	522.8	504.0	486.7	481.4
32.5°	1910.7	1308.2	801.9	643.9	574.7	533.4	519.1	507.0	485.2	467.2	463.4
35°	2071.7	1333.8	762.0	601.8	540.1	513.8	510.8	495.0	466.4	445.3	440.8
37.5°	2258.3	1358.6	714.6	560.4	514.5	504.8	505.5	478.4	443.8	418.3	415.2
40°	2459.1	1383.4	662.0	524.3	491.2	499.5	492.7	454.4	397.9	373.1	370.1
42.5°	2668.3	1410.5	608.6	490.5	471.7	479.2	469.4	406.2	365.6	352.8	351.3
45°	2857.1	1442.8	550.7	456.6	452.1	449.8	433.3	367.9	350.6	341.5	340.8
47.5°	2993.2	1437.6	489.0	424.3	431.0	423.5	373.1	349.8	335.5	323.5	320.5
50°	2968.4	1345.8	425.0	388.2	404.0	397.2	335.5	328.7	315.9	303.2	298.6
52.5°	2905.2	1220.9	369.4	349.8	374.6	358.8	309.9	303.2	291.9	275.3	270.1
55°	2939.1	1103.6	325.7	319.0	344.5	297.1	281.3	270.8	258.8	240.7	238.5
57.5°	2830.0	900.5	261.8	266.3	304.7	253.5	246.7	230.2	209.9	197.8	196.3
60°	1958.9	483.7	164.0	169.3	220.4	212.9	221.2	206.1	181.3	170.0	167.8
62.5°	899.7	194.1	89.5	85.8	115.8	144.4	189.6	188.1	157.2	139.2	137.7
65°	218.2	88.8	63.9	60.2	65.4	86.5	123.4	148.2	127.1	106.1	103.8
67.5°	70.7	72.2	58.7	54.9	57.9	64.7	73.7	82.0	81.2	74.5	73.0
70°	56.4	65.4	54.2	49.6	49.6	51.9	49.6	39.9	34.6	37.6	39.1
72.5°	42.1	49.6	42.9	38.4	36.9	36.1	30.8	22.6	15.8	14.3	13.5
75°	24.8	27.8	26.3	22.6	21.1	18.8	15.0	9.8	5.3	3.8	2.3
77.5°	4.5	5.3	6.0	4.5	3.8	3.0	2.3	0.8	0.0	0.0	0.0
80°	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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)