

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: P634424

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)  
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-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

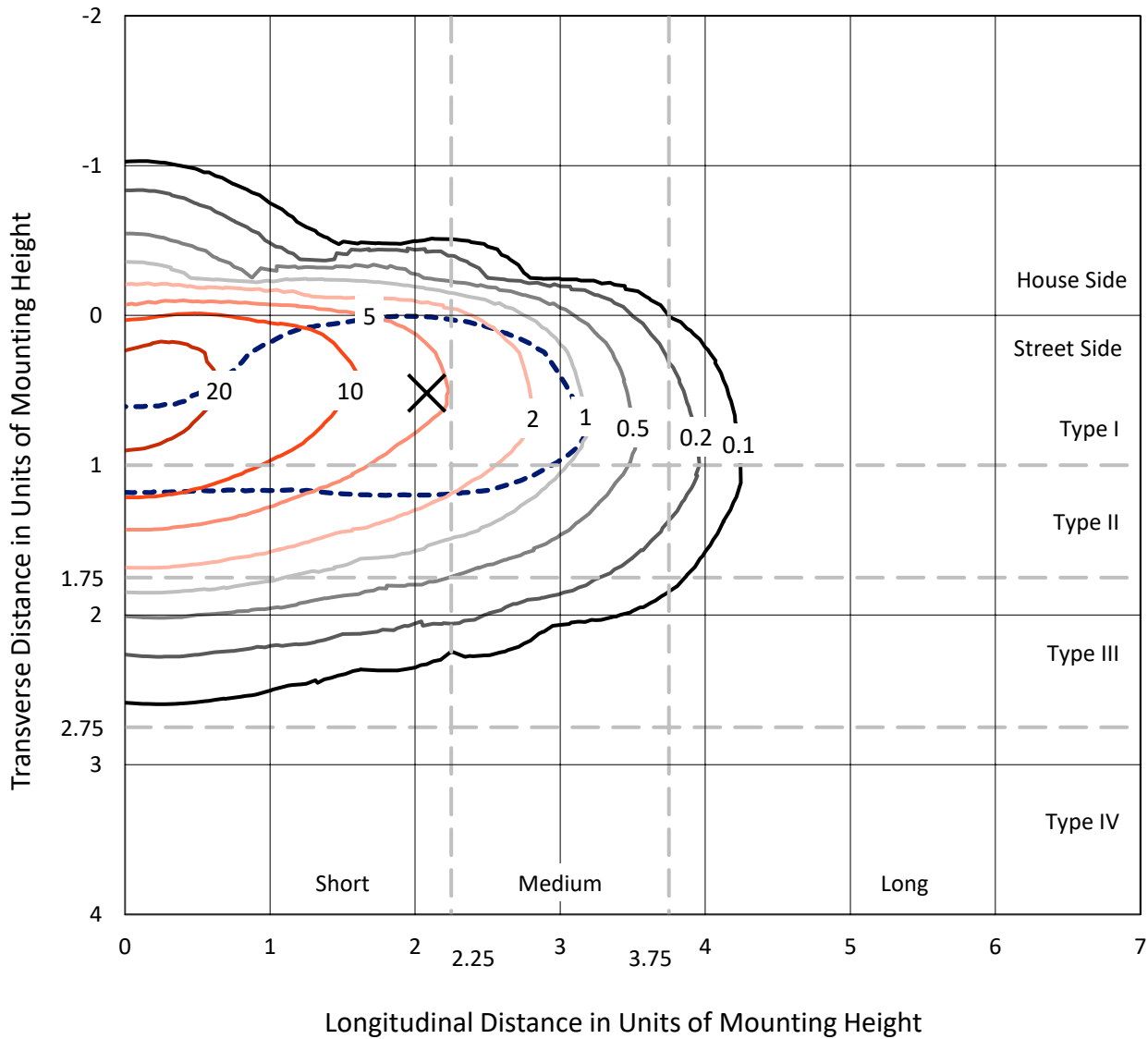
Lumens per Lamp: N/A  
Luminaire Lumens: 8463.2 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

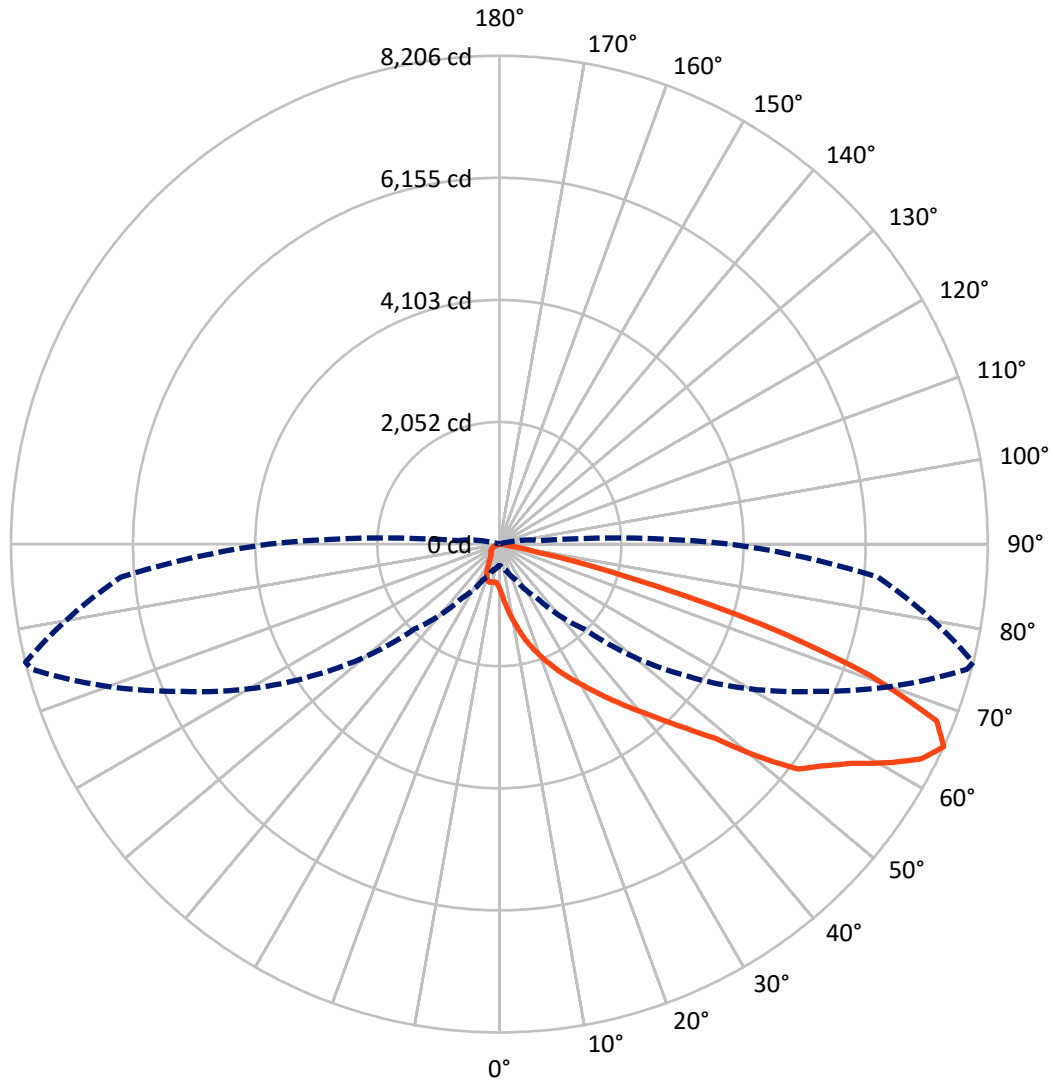
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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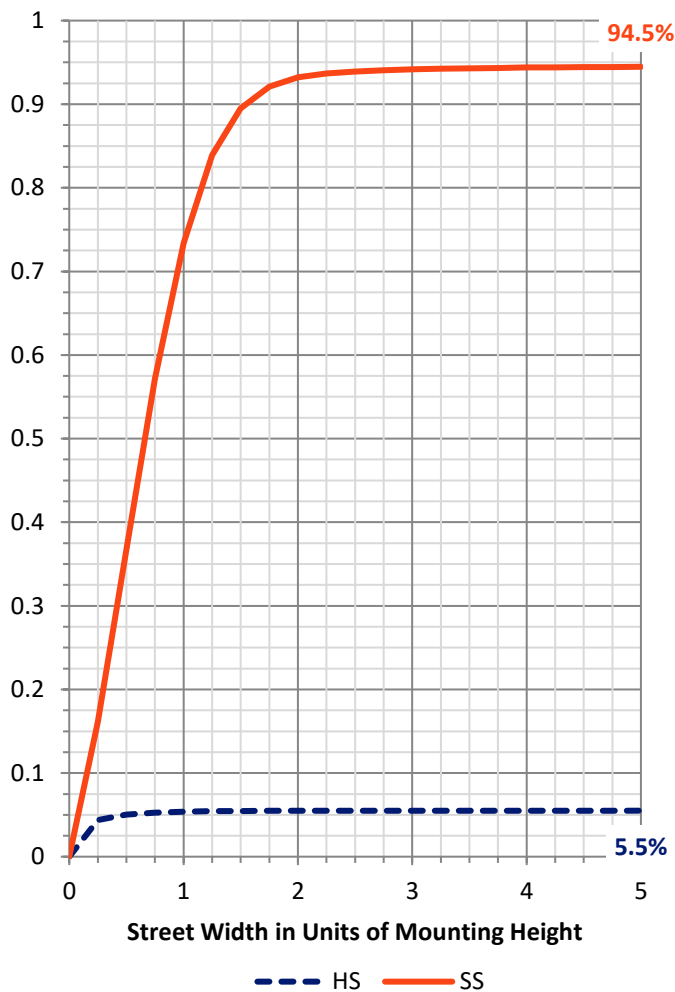
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	468.0	0.0	468.0
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	7995.2	0.0	7995.2
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	8463.2	0.0	8463.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	1.1
10°-20°	345.9	4.1
20°-30°	705.7	8.3
30°-40°	1255.1	14.8
40°-50°	1855.3	21.9
50°-60°	2124.1	25.1
60°-70°	1620.6	19.1
70°-80°	454.0	5.4
80°-90°	11.4	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°	8463.2	100.0
0°-180°	8463.2	100.0

**Coefficient of Utilization**



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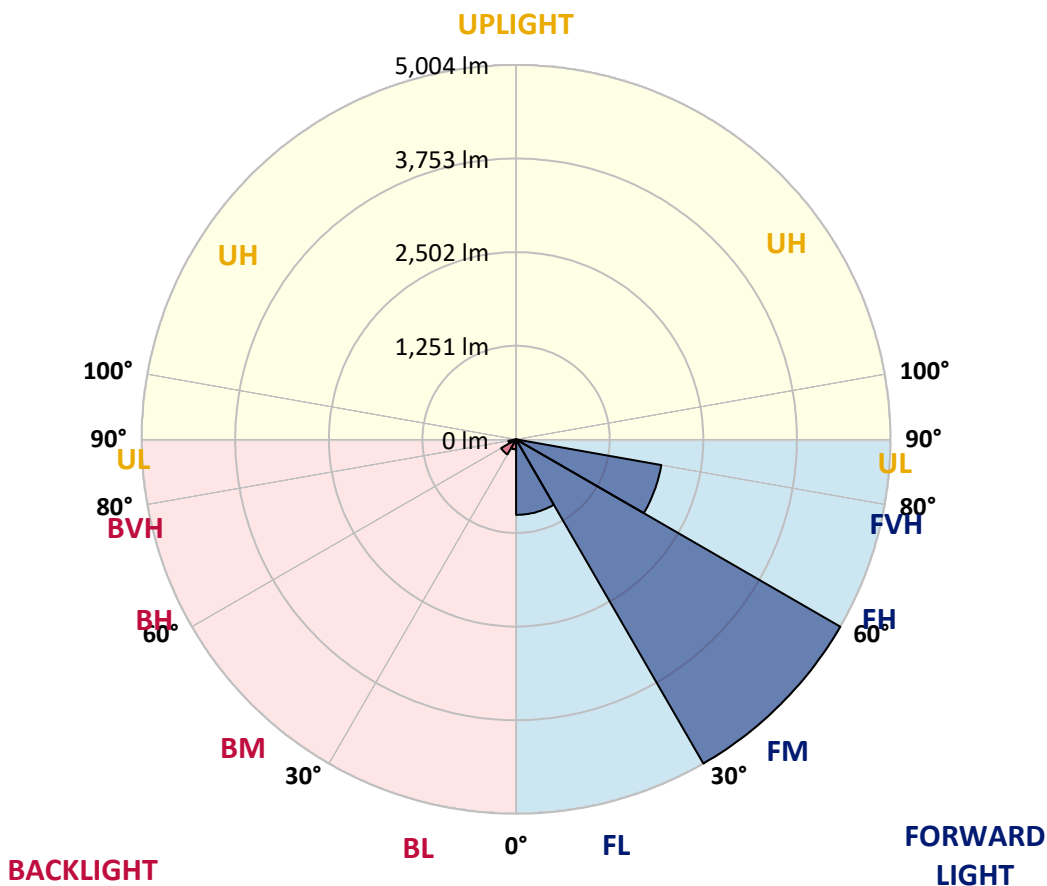
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1009.2	11.9			
FM (30°-60°)	5003.6	59.1			
FH (60°-80°)	1971.7	23.3			G2/5000
FVH (80°-90°)	10.8	0.1			G1/100
BL (0°-30°)	133.5	1.6	B1/500		
BM (30°-60°)	230.9	2.7	B1/1000		
BH (60°-80°)	102.9	1.2	B0/110		G0/110
BVH (80°-90°)	0.7	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3
2.5°	1154.8	1172.1	1158.6	1136.0	1092.4	1050.2	996.1	921.6	862.1	854.6	799.0
5°	1559.5	1558.0	1528.7	1499.4	1453.5	1381.2	1272.2	1133.7	1000.6	989.3	864.4
7.5°	1800.3	1802.5	1786.0	1763.4	1718.3	1643.8	1530.2	1363.2	1168.3	1145.8	953.9
10°	2002.7	2001.9	1989.9	1979.3	1938.7	1889.1	1767.2	1583.6	1348.9	1313.5	1054.0
12.5°	2154.6	2159.9	2165.9	2176.4	2159.1	2110.2	1995.1	1795.0	1531.7	1492.6	1168.3
15°	2275.0	2276.5	2299.1	2339.7	2354.0	2328.4	2223.8	1999.6	1712.3	1678.4	1300.0
17.5°	2311.1	2314.1	2352.5	2427.0	2502.2	2516.5	2437.5	2205.8	1889.8	1853.7	1427.9
20°	2387.1	2393.9	2422.4	2487.9	2582.7	2659.4	2628.6	2414.2	2067.4	2020.0	1558.8
22.5°	2626.3	2630.1	2620.3	2628.6	2677.5	2766.2	2785.1	2615.8	2249.4	2199.0	1700.2
25°	3037.8	3039.3	2970.9	2906.2	2869.3	2885.9	2927.2	2801.6	2430.0	2380.3	1831.9
27.5°	3465.1	3470.4	3388.4	3278.6	3146.9	3071.7	3059.6	2971.6	2612.0	2557.1	1962.0
30°	3867.6	3867.6	3781.1	3647.2	3471.2	3324.5	3237.9	3143.2	2806.9	2746.7	2095.2
32.5°	4229.5	4226.5	4115.9	3970.7	3796.9	3635.9	3453.9	3322.2	3023.5	2956.6	2248.7
35°	4528.2	4520.6	4395.0	4255.8	4070.0	3950.4	3747.3	3514.8	3258.3	3191.3	2406.6
37.5°	4753.9	4745.6	4630.5	4483.0	4310.7	4233.3	4063.2	3745.8	3505.8	3444.8	2581.9
40°	4876.5	4859.9	4780.2	4670.3	4525.9	4458.2	4387.5	4032.4	3796.9	3720.9	2788.8
42.5°	4912.6	4893.0	4840.4	4789.2	4701.9	4648.5	4724.5	4355.9	4116.6	4051.2	3025.0
45°	4805.8	4794.5	4790.0	4826.8	4842.6	4857.7	5045.0	4714.0	4469.5	4419.8	3322.2
47.5°	4548.5	4545.5	4585.3	4738.8	4905.8	5064.6	5393.3	5155.6	4926.9	4873.5	3737.5
50°	4073.0	4103.9	4215.2	4484.5	4818.6	5181.9	5719.1	5768.0	5667.2	5588.9	4279.1
52.5°	3329.7	3389.2	3638.9	4048.2	4528.2	5148.8	5869.5	6258.5	6361.5	6280.3	4667.3
55°	2612.8	2668.4	2891.1	3410.2	4050.4	4896.8	5876.3	6427.7	6652.7	6577.5	4929.9
57.5°	1946.2	1997.4	2199.8	2696.3	3400.4	4401.0	5715.3	6521.8	6998.0	6949.9	5344.4
60°	1272.2	1322.6	1505.4	1939.5	2637.6	3678.8	5318.8	6502.2	7468.2	7463.7	5853.7
62.5°	705.7	745.5	877.9	1216.5	1840.9	2849.0	4695.9	6305.9	7923.3	7951.9	6273.5
65°	361.1	386.7	467.2	668.8	1114.2	2020.0	3876.7	5856.0	8134.0	8206.2	6384.1
67.5°	236.2	244.5	264.1	347.6	596.6	1270.7	2917.5	5134.5	7837.6	7921.8	6013.2
70°	191.8	198.6	209.9	231.7	307.7	674.8	1916.1	4100.8	6548.9	6606.0	4788.5
72.5°	140.7	149.7	171.5	185.8	221.9	370.1	996.8	2691.8	4497.3	4598.1	3009.2
75°	103.8	109.1	127.1	146.7	181.3	234.0	381.4	1415.1	2322.4	2263.7	1263.9
77.5°	62.4	66.2	81.2	94.0	129.4	145.9	133.2	522.9	706.4	664.3	305.4
80°	30.8	34.6	53.4	70.7	82.8	58.7	55.7	145.9	157.2	157.2	76.7
82.5°	10.5	13.5	28.6	46.6	40.6	22.6	26.3	37.6	42.1	44.4	22.6
85°	0.0	0.0	6.8	13.5	6.0	3.0	6.8	8.3	10.5	11.3	7.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	3.0	3.0
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°	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3
2.5°	768.9	733.5	680.1	631.9	595.1	560.5	534.1	513.1	509.3	497.3	498.8
5°	803.5	739.5	641.0	565.0	511.6	475.5	445.4	422.8	413.0	403.2	395.7
7.5°	856.9	764.3	625.9	533.4	470.9	415.3	368.6	331.0	313.0	301.7	294.2
10°	922.3	799.0	626.7	514.6	422.0	337.0	273.1	231.7	212.2	206.1	205.4
12.5°	1000.6	842.6	632.7	483.7	351.3	250.5	202.4	183.6	177.5	172.3	172.3
15°	1083.3	891.5	632.7	427.3	267.8	195.6	175.3	163.3	155.7	152.7	151.2
17.5°	1170.6	937.4	617.6	349.8	205.4	172.3	155.7	144.4	138.4	133.9	132.4
20°	1263.9	981.0	580.0	267.8	176.0	154.2	138.4	127.1	121.1	116.6	116.6
22.5°	1358.7	1021.6	519.1	206.1	155.7	136.9	121.9	111.3	105.3	100.8	100.8
25°	1446.7	1048.7	440.9	170.0	140.7	121.9	108.3	97.8	91.0	88.0	86.5
27.5°	1528.7	1066.0	354.3	149.7	126.4	109.1	94.8	85.0	79.7	77.5	76.0
30°	1613.7	1070.5	270.8	136.2	114.4	96.3	82.8	75.2	70.7	67.7	67.7
32.5°	1696.5	1065.3	206.9	124.9	103.8	85.0	73.7	67.0	63.2	60.9	60.2
35°	1780.7	1041.2	167.8	115.1	93.3	74.5	65.5	60.2	57.9	54.9	54.9
37.5°	1872.5	1008.8	145.9	105.3	82.8	67.0	58.7	54.9	51.9	49.7	48.9
40°	1986.9	971.2	133.9	97.0	73.0	60.2	52.7	48.9	46.6	44.4	43.6
42.5°	2122.3	934.4	127.9	88.0	65.5	53.4	47.4	42.9	40.6	37.6	36.9
45°	2314.1	926.1	121.1	78.2	58.7	48.1	41.4	36.9	33.9	31.6	30.8
47.5°	2622.6	949.4	109.8	67.7	51.9	42.1	35.4	31.6	27.8	25.6	24.1
50°	2928.7	943.4	98.6	58.7	45.9	36.1	30.1	26.3	22.6	20.3	19.6
52.5°	3095.8	914.8	88.0	51.9	39.9	30.8	25.6	21.1	18.8	16.6	15.8
55°	3247.0	903.5	77.5	45.1	33.9	27.1	21.1	17.3	15.8	13.5	12.8
57.5°	3543.4	929.9	68.5	39.1	29.3	23.3	18.1	14.3	12.8	10.5	9.8
60°	3853.3	932.9	58.7	33.9	25.6	19.6	14.3	11.3	9.8	7.5	6.8
62.5°	4015.1	856.9	48.1	28.6	21.1	16.6	12.0	9.0	7.5	4.5	4.5
65°	3879.7	692.9	40.6	23.3	16.6	12.8	9.0	6.8	4.5	2.3	0.8
67.5°	3433.5	492.8	33.9	18.8	12.0	9.0	6.8	4.5	0.8	0.0	0.0
70°	2514.2	281.4	26.3	13.5	9.0	6.0	4.5	2.3	0.0	0.0	0.0
72.5°	1545.2	150.5	19.6	9.0	6.8	4.5	3.8	1.5	0.0	0.0	0.0
75°	586.1	72.2	12.0	6.0	5.3	3.8	2.3	0.8	0.0	0.0	0.0
77.5°	158.7	35.4	6.8	4.5	3.8	2.3	1.5	0.0	0.0	0.0	0.0
80°	41.4	16.6	4.5	3.0	2.3	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	14.3	7.5	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0
85°	6.0	3.0	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.8	0.8	0.8	0.8	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)