

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: P634583

Luminaire Tested: GWS-SA3C-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634583  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-722-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

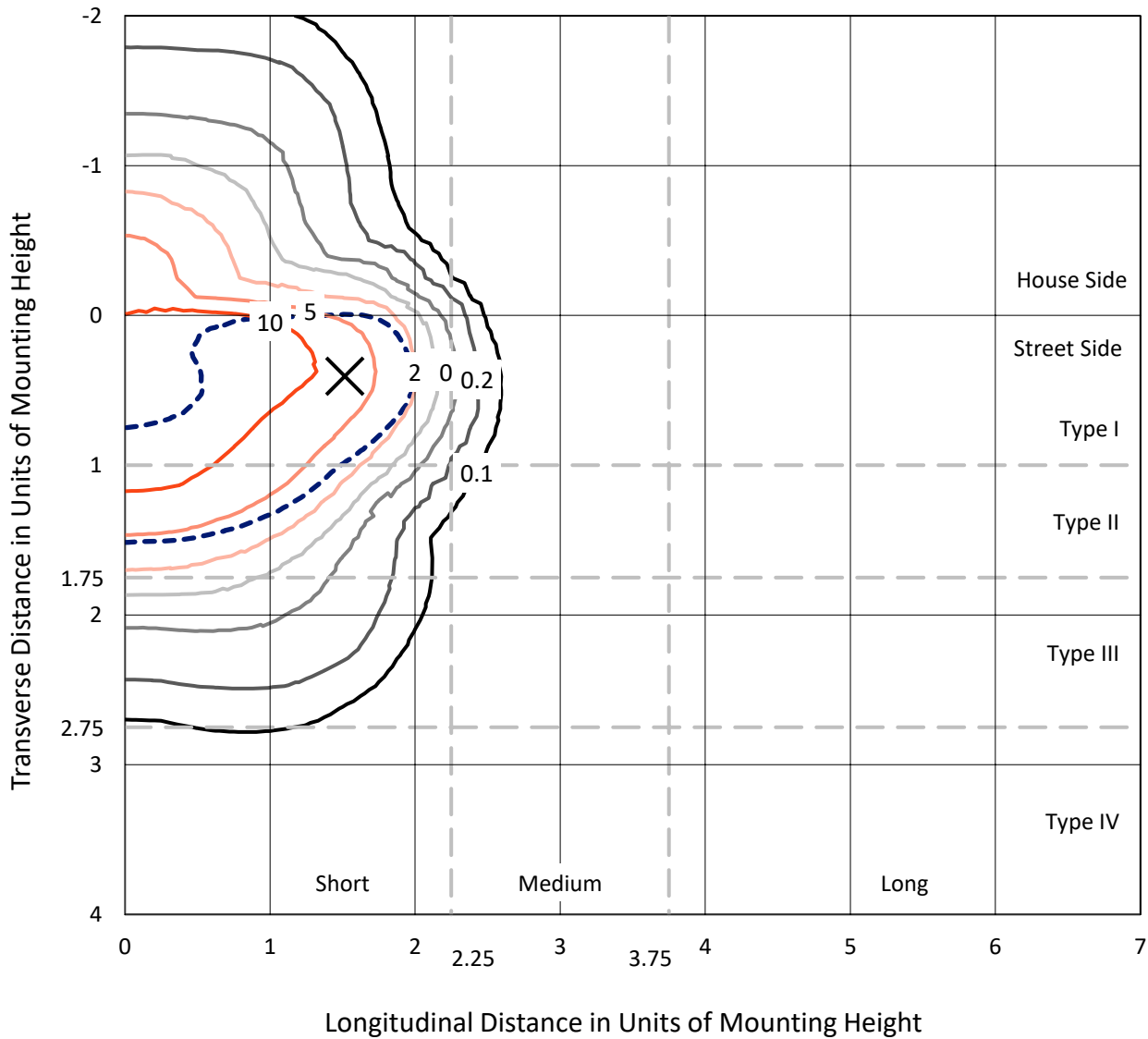
Lumens per Lamp: N/A  
Luminaire Lumens: 6103.4 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

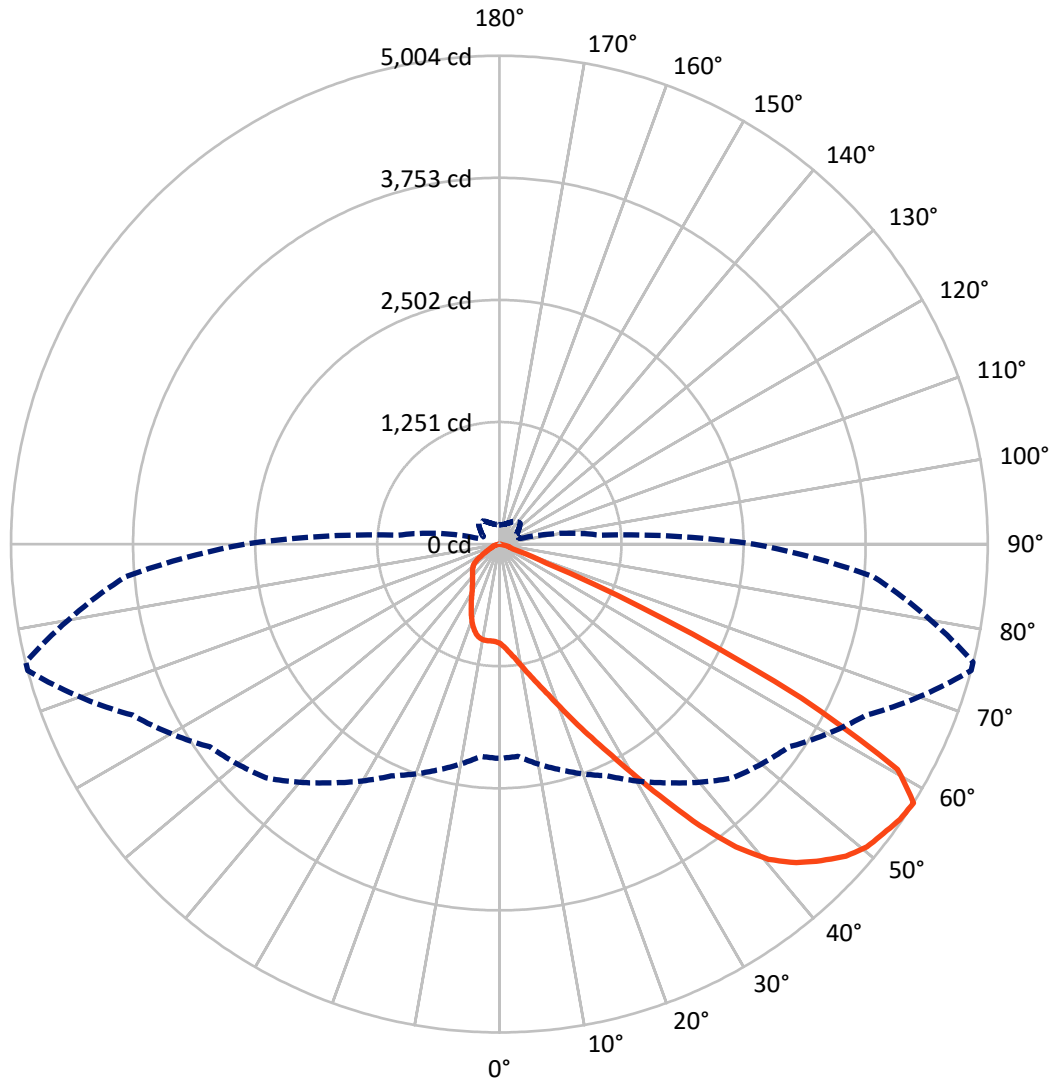
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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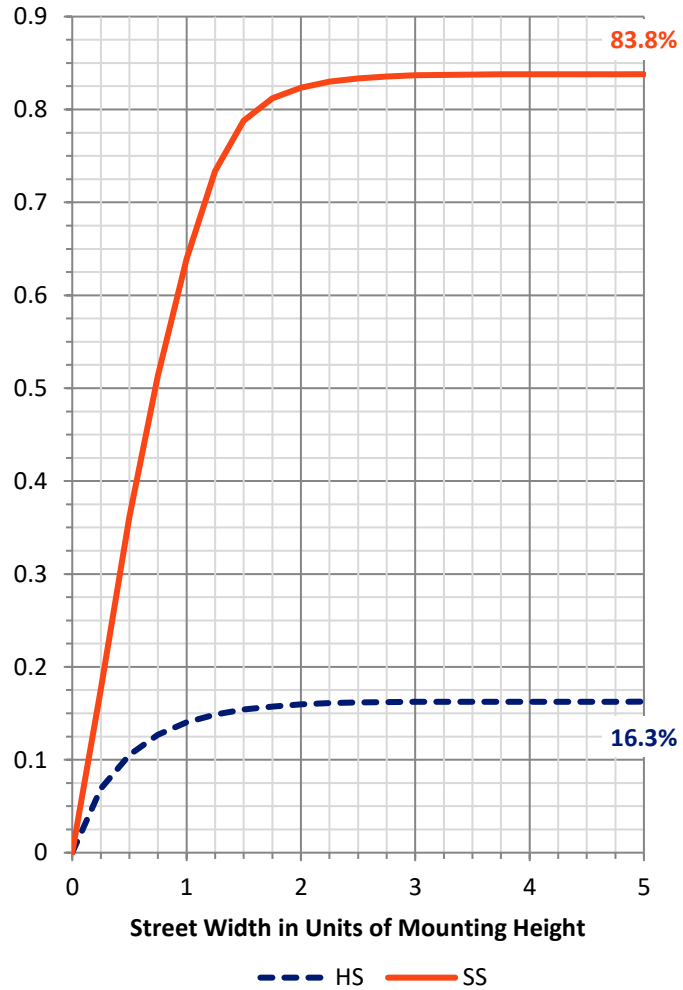
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	997.0	0.0	997.0
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	5106.4	0.0	5106.4
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	6103.4	0.0	6103.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.6	1.7
10°-20°	336.5	5.5
20°-30°	616.2	10.1
30°-40°	1022.3	16.8
40°-50°	1561.3	25.6
50°-60°	1754.4	28.7
60°-70°	647.1	10.6
70°-80°	61.9	1.0
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°	6103.4	100.0
0°-180°	6103.4	100.0

**Coefficient of Utilization**



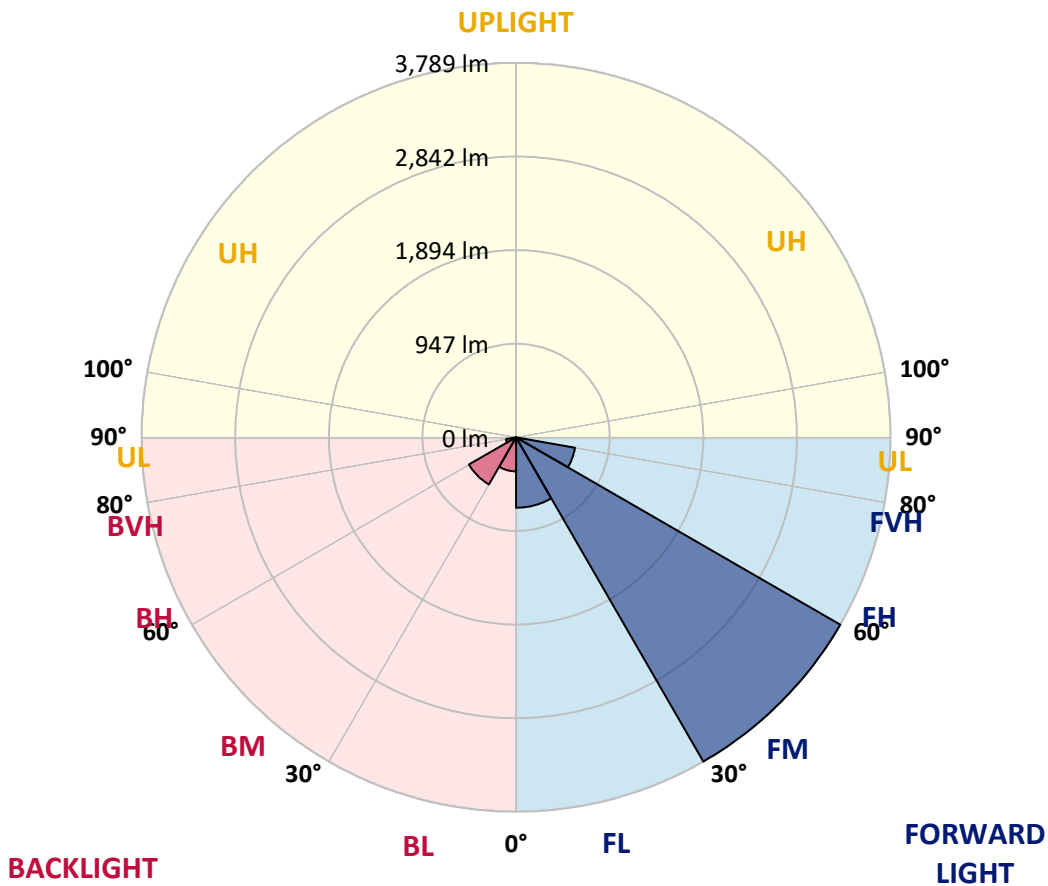
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	712.3	11.7			
FM (30°-60°)	3788.7	62.1			
FH (60°-80°)	605.4	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	344.0	5.6	B1/500		
BM (30°-60°)	549.4	9.0	B1/1000		
BH (60°-80°)	103.5	1.7	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°	65°	75°	76°	85°
0°	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0
2.5°	1137.3	1149.1	1145.4	1138.0	1133.6	1118.1	1108.6	1080.6	1060.7	1058.5	1040.1
5°	1280.9	1278.7	1275.8	1266.9	1259.6	1235.3	1206.5	1159.4	1117.4	1112.2	1073.2
7.5°	1359.7	1361.2	1362.7	1361.2	1356.1	1337.6	1306.0	1250.7	1186.6	1182.2	1120.3
10°	1392.1	1395.1	1402.5	1416.5	1429.0	1427.5	1409.1	1352.4	1273.6	1266.2	1183.0
12.5°	1407.6	1411.3	1423.1	1449.6	1483.5	1510.0	1512.9	1462.1	1375.2	1363.4	1257.4
15°	1429.0	1432.7	1447.4	1482.0	1531.4	1583.7	1617.5	1585.1	1487.9	1475.4	1339.1
17.5°	1438.6	1443.7	1465.1	1510.7	1574.8	1655.1	1731.7	1728.8	1621.2	1611.7	1434.1
20°	1457.0	1460.7	1479.8	1529.2	1606.5	1722.1	1851.0	1897.4	1784.0	1770.0	1549.0
22.5°	1515.2	1516.6	1525.5	1556.4	1628.6	1770.8	1972.6	2094.1	1976.3	1957.8	1677.9
25°	1610.2	1609.4	1613.1	1618.3	1671.3	1820.1	2089.7	2315.8	2196.5	2176.6	1823.8
27.5°	1731.0	1731.0	1739.8	1725.1	1746.4	1881.2	2205.3	2570.7	2452.8	2424.8	1983.6
30°	1873.1	1872.4	1893.0	1869.5	1876.1	1977.7	2329.8	2848.4	2762.2	2727.6	2167.8
32.5°	2066.1	2061.7	2085.3	2052.9	2030.8	2123.6	2481.6	3138.6	3132.7	3079.7	2399.1
35°	2309.9	2302.6	2309.9	2278.3	2238.5	2327.6	2680.4	3428.1	3543.7	3487.7	2674.5
37.5°	2552.3	2575.8	2583.9	2529.4	2497.0	2586.2	2919.8	3687.4	3936.3	3878.1	2961.1
40°	2838.1	2830.7	2858.7	2797.6	2776.9	2875.6	3154.1	3880.3	4247.2	4191.9	3215.9
42.5°	3048.7	3062.0	3096.6	3062.7	3046.5	3139.3	3350.7	3993.0	4463.0	4408.5	3397.9
45°	3301.4	3311.0	3324.2	3296.2	3279.3	3370.6	3492.9	4042.4	4627.2	4568.3	3520.1
47.5°	3574.7	3582.0	3582.0	3524.6	3470.1	3507.6	3587.9	4070.4	4778.2	4721.5	3610.7
50°	3770.6	3774.3	3806.7	3766.2	3647.6	3589.4	3631.4	4097.6	4878.4	4825.4	3640.2
52.5°	3596.8	3592.3	3699.1	3783.1	3814.8	3699.1	3706.5	4137.4	4927.0	4881.4	3663.8
55°	3028.8	3021.5	3171.7	3375.8	3654.9	3803.0	3797.1	4161.0	4980.8	4952.8	3749.2
57.5°	2195.8	2183.2	2392.4	2619.3	2985.4	3386.8	3622.5	4147.7	5004.4	5002.2	3848.7
60°	1320.0	1309.7	1507.1	1745.7	2028.6	2432.2	2823.3	3715.3	4689.1	4693.5	3590.1
62.5°	812.5	822.0	1000.3	1121.8	1227.2	1348.7	1574.8	2499.2	3473.7	3502.5	2522.8
65°	546.5	553.9	718.9	872.1	872.1	713.0	612.1	1194.7	1853.3	1804.6	1193.3
67.5°	366.8	374.9	505.3	684.3	710.1	497.2	248.2	356.5	516.3	500.9	295.4
70°	215.8	224.7	336.6	469.2	517.1	346.2	165.7	151.0	146.6	142.2	114.9
72.5°	96.5	100.2	171.6	238.7	218.0	145.8	117.1	120.8	114.2	112.0	93.5
75°	29.5	30.9	44.2	51.6	52.3	52.3	70.7	95.0	89.9	90.6	72.2
77.5°	7.4	7.4	11.8	11.0	5.9	5.2	13.3	21.4	22.1	19.9	14.7
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
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°	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0	1018.0
2.5°	1032.0	1012.8	1000.3	982.6	970.1	956.8	945.0	935.5	930.3	928.8	929.6
5°	1055.5	1025.3	995.9	962.0	938.4	916.3	898.6	884.6	878.0	875.8	875.8
7.5°	1091.6	1049.6	997.3	944.3	904.5	869.9	849.3	833.8	827.9	826.4	822.0
10°	1138.8	1081.3	995.1	912.6	856.6	820.6	805.8	801.4	803.6	804.4	803.6
12.5°	1195.5	1114.5	981.1	866.2	805.8	783.7	785.2	797.0	810.2	816.9	818.3
15°	1255.9	1144.7	949.5	811.0	762.4	761.6	783.0	810.2	836.0	847.1	850.0
17.5°	1323.6	1169.0	900.8	752.1	724.8	746.2	784.5	826.4	861.1	879.5	883.2
20°	1398.0	1188.9	839.0	696.8	691.7	730.0	783.0	834.6	877.3	897.9	901.6
22.5°	1475.4	1202.8	767.5	646.0	661.5	711.5	769.0	819.1	859.6	883.2	886.1
25°	1563.8	1204.3	694.6	603.3	633.5	686.5	735.1	776.4	810.2	830.9	833.1
27.5°	1641.1	1186.6	629.8	568.6	607.7	655.6	688.0	710.8	734.4	746.2	746.9
30°	1730.2	1155.7	568.6	540.7	581.2	617.3	633.5	638.6	640.8	643.0	640.1
32.5°	1836.3	1118.1	523.0	513.4	551.0	575.3	579.7	569.4	556.9	539.2	534.8
35°	1966.7	1084.3	485.4	486.9	517.8	532.6	528.9	506.8	482.5	461.1	457.4
37.5°	2108.1	1055.5	456.7	461.1	481.7	492.0	481.0	456.7	445.6	427.2	428.0
40°	2233.3	1032.0	430.9	435.3	444.9	454.5	436.8	420.6	441.2	439.7	441.2
42.5°	2322.5	1012.1	408.8	406.6	413.2	419.9	406.6	398.5	433.1	423.5	428.7
45°	2374.8	993.7	390.4	377.1	387.4	399.2	390.4	380.1	391.9	347.7	344.0
47.5°	2410.1	983.3	374.2	348.4	366.8	387.4	369.0	344.0	327.0	288.7	285.8
50°	2413.8	978.2	355.0	318.9	342.5	364.6	343.2	308.6	284.3	267.4	265.2
52.5°	2432.9	988.5	328.5	281.4	307.2	342.5	327.8	293.2	260.0	245.3	242.3
55°	2518.4	1032.0	284.3	229.8	267.4	325.6	315.3	261.5	229.8	221.0	218.8
57.5°	2606.8	1040.8	223.9	181.9	232.8	301.3	288.0	240.9	209.9	199.6	197.4
60°	2383.6	857.4	167.9	150.3	205.5	278.4	266.6	228.3	192.2	179.7	177.5
62.5°	1566.0	463.3	133.3	127.4	173.1	235.7	243.1	206.2	171.6	158.4	157.6
65°	721.9	215.1	102.4	100.9	135.5	187.8	209.2	180.5	145.1	133.3	133.3
67.5°	196.7	106.8	80.3	74.4	92.1	126.0	152.5	134.8	103.1	89.1	88.4
70°	98.0	86.2	72.2	64.1	66.3	78.1	89.9	75.1	52.3	42.7	42.0
72.5°	80.3	70.7	61.1	54.5	50.1	47.9	46.4	37.6	24.3	18.4	17.7
75°	59.7	50.8	43.5	35.4	30.2	28.0	25.0	18.4	10.3	5.9	5.2
77.5°	13.3	12.5	11.8	8.8	8.1	6.6	5.2	3.7	1.5	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	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)