

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: P634917

Luminaire Tested: GWS-SA3C-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634917  
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-SA3C-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**

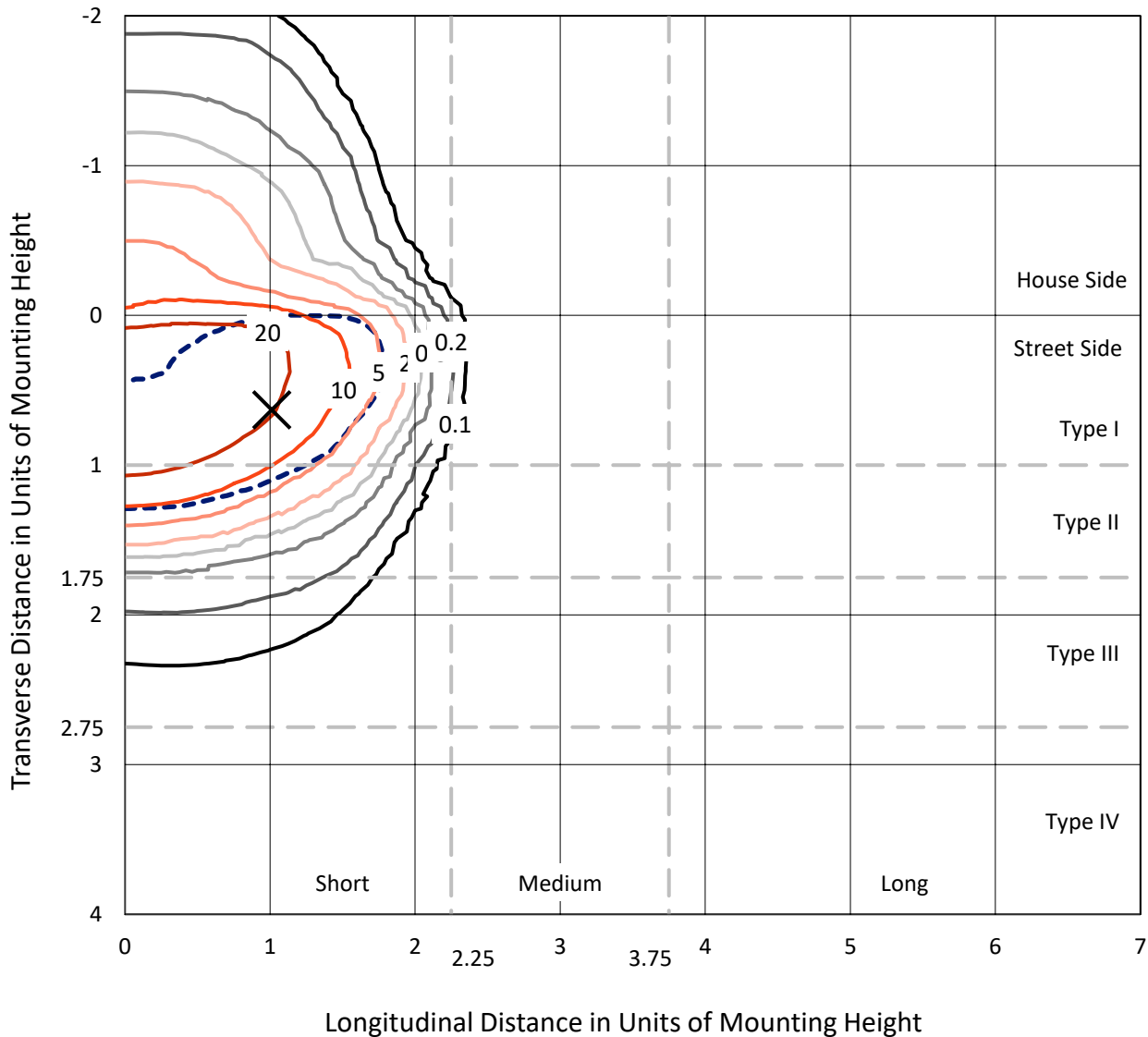
Lumens per Lamp: N/A  
Luminaire Lumens: 9434.2 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P634917  
 CATALOG NUMBER: GWS-SA3C-760-U-T2R-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

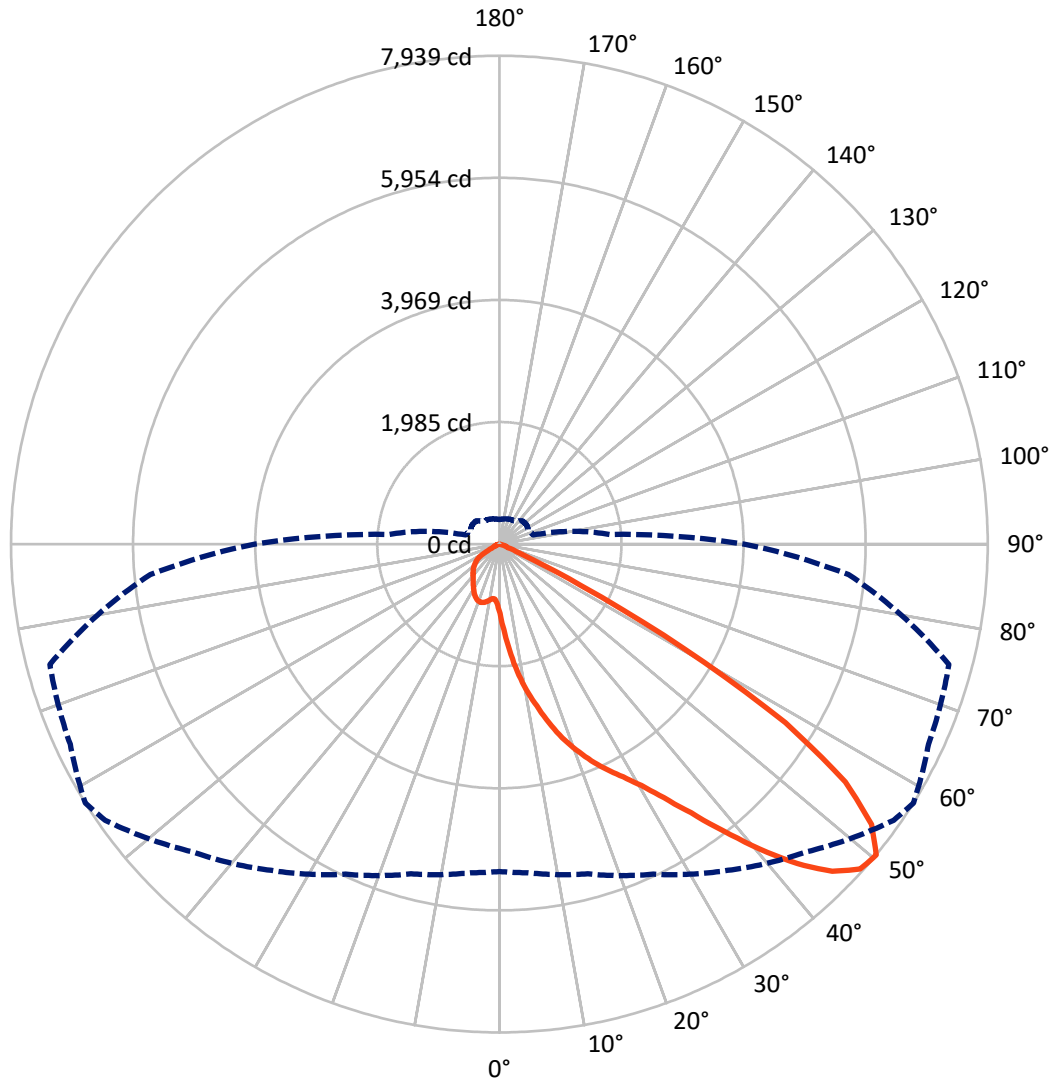
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P634917  
CATALOG NUMBER: GWS-SA3C-760-U-T2R-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P634917  
 CATALOG NUMBER: GWS-SA3C-760-U-T2R-W-GRSBK

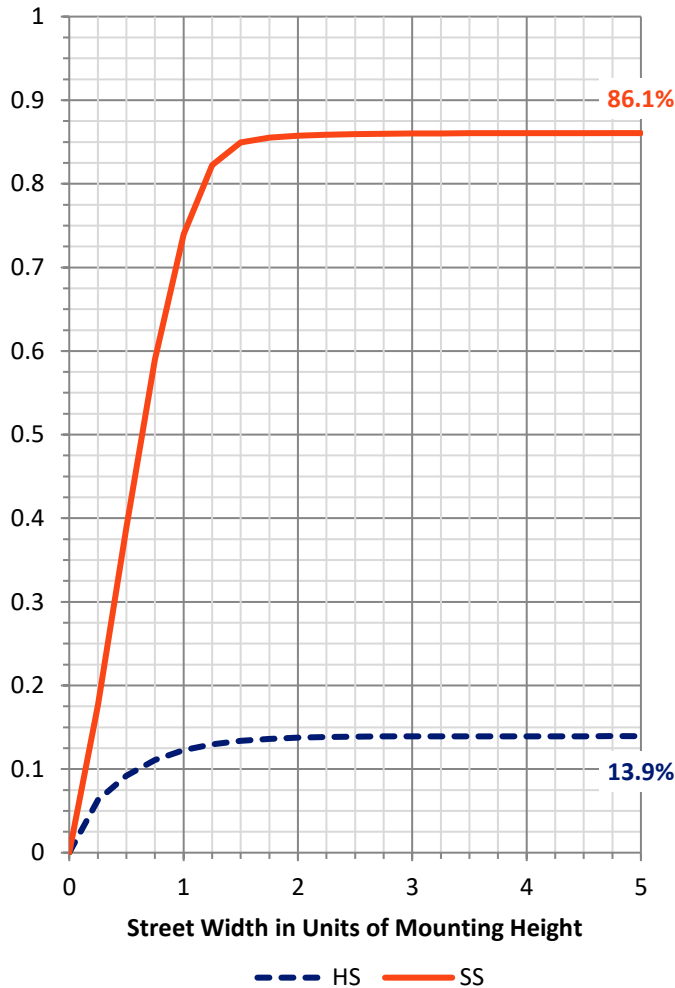
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1321.4	0.0	1321.4
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	8112.8	0.0	8112.8
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	9434.2	0.0	9434.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.6	1.5
10°-20°	552.7	5.9
20°-30°	1118.3	11.9
30°-40°	1978.4	21.0
40°-50°	2884.1	30.6
50°-60°	2311.7	24.5
60°-70°	416.5	4.4
70°-80°	32.8	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°	9434.2	100.0
0°-180°	9434.2	100.0

**Coefficient of Utilization**



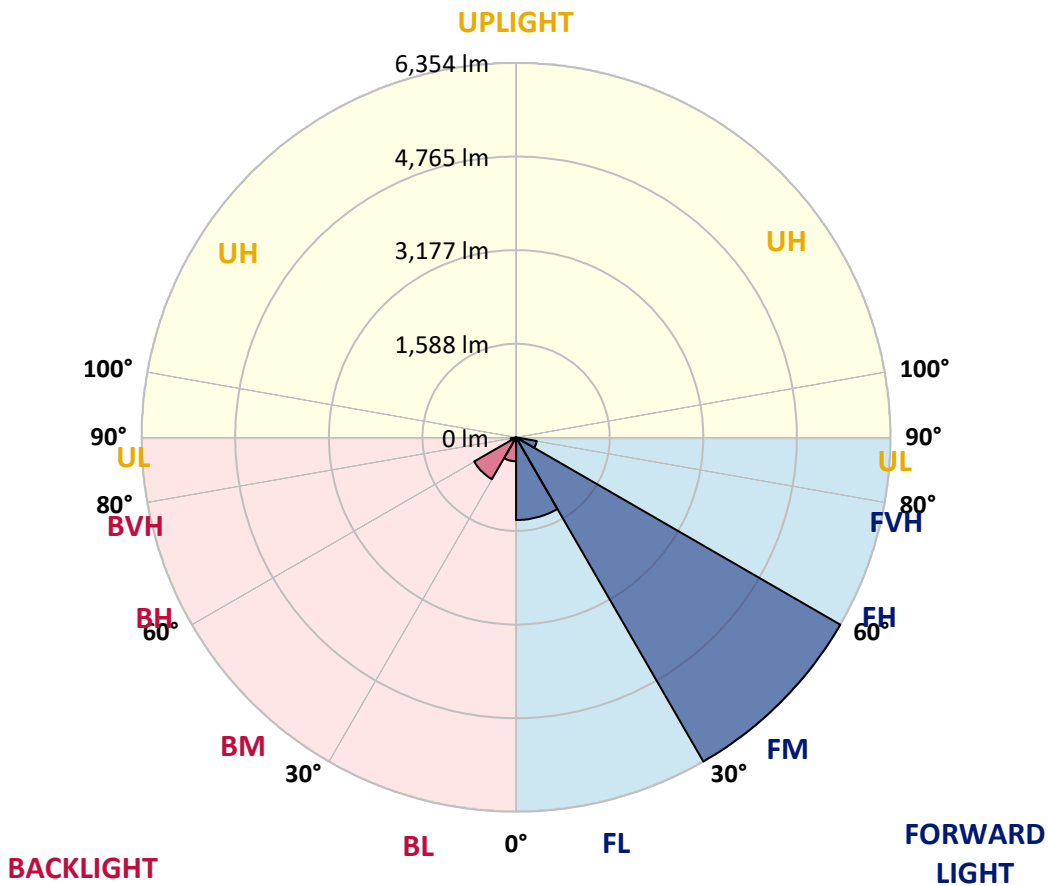
REPORT NUMBER: P634917

CATALOG NUMBER: GWS-SA3C-760-U-T2R-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.8	14.9			
FM (30°-60°)	6353.6	67.3			
FH (60°-80°)	355.4	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	406.8	4.3	B1/500		
BM (30°-60°)	820.6	8.7	B1/1000		
BH (60°-80°)	93.9	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





REPORT NUMBER: P634917

CATALOG NUMBER: GWS-SA3C-760-U-T2R-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9
2.5°	1667.6	1641.4	1626.3	1614.2	1560.7	1476.0	1420.5	1391.2	1342.8	1261.1	1190.5
5°	2176.1	2156.9	2121.6	2097.4	2028.8	1908.8	1784.7	1735.2	1625.3	1440.7	1275.2
7.5°	2513.1	2499.0	2485.8	2453.6	2389.0	2280.0	2142.8	2091.4	1921.9	1659.6	1388.2
10°	2772.4	2761.3	2746.1	2745.1	2694.7	2596.8	2462.6	2409.2	2225.5	1897.7	1521.4
12.5°	3000.4	2991.3	2988.2	3016.5	2984.2	2911.6	2766.3	2699.7	2505.0	2140.8	1668.7
15°	3156.7	3154.7	3167.8	3223.3	3241.5	3208.2	3086.1	3014.5	2790.5	2385.0	1831.1
17.5°	3228.4	3234.4	3259.6	3355.5	3436.2	3464.4	3370.6	3310.1	3074.0	2632.1	2004.6
20°	3350.4	3348.4	3363.5	3454.3	3553.2	3654.1	3625.9	3574.4	3360.5	2893.4	2197.3
22.5°	3694.5	3665.2	3632.9	3647.0	3682.3	3800.4	3852.8	3826.6	3656.1	3161.8	2396.0
25°	4223.1	4192.8	4088.9	3988.0	3921.4	3974.9	4046.5	4059.7	3949.7	3437.2	2603.9
27.5°	4784.0	4756.8	4639.8	4488.4	4297.8	4204.9	4258.4	4284.6	4238.2	3765.1	2824.8
30°	5309.6	5273.3	5145.2	4957.5	4736.6	4594.4	4533.8	4552.0	4579.2	4153.5	3084.1
32.5°	5765.6	5738.4	5585.1	5387.3	5174.5	5026.2	4884.9	4915.2	4981.8	4628.7	3416.0
35°	6152.0	6137.9	5975.5	5778.8	5553.8	5478.1	5357.1	5363.1	5429.7	5202.7	3820.6
37.5°	6488.0	6463.8	6316.5	6133.9	5955.3	5943.2	5909.9	5912.9	5947.2	5871.6	4285.6
40°	6699.9	6677.7	6572.7	6459.7	6332.6	6334.6	6507.2	6520.3	6480.9	6528.3	4777.0
42.5°	6779.6	6763.4	6706.9	6707.9	6694.8	6754.3	7078.2	7102.4	6961.1	7043.9	5196.6
45°	6641.3	6634.3	6638.3	6783.6	6941.0	7124.6	7545.3	7587.7	7387.9	7385.9	5524.5
47.5°	6195.4	6181.3	6299.3	6546.5	6910.7	7267.8	7827.8	7893.3	7686.5	7581.6	5730.3
50°	5321.7	5362.1	5548.7	5920.0	6473.9	7071.1	7824.7	7938.7	7697.6	7564.4	5696.0
52.5°	3854.9	3846.8	4255.4	4765.9	5439.8	6441.6	7409.1	7575.5	7428.3	7396.0	5619.4
55°	2097.4	2171.1	2446.5	3122.4	3963.8	5250.1	6459.7	6822.9	6993.4	7334.4	5757.6
57.5°	770.8	803.1	975.6	1453.8	2098.4	3264.7	4934.3	5482.2	6008.8	7162.9	5734.4
60°	310.7	316.8	385.4	534.7	881.7	1661.6	2960.0	3446.3	3942.6	5483.2	4400.7
62.5°	226.0	234.1	261.3	312.7	445.9	726.4	1276.2	1484.0	1622.3	2715.9	2168.0
65°	182.6	188.7	210.9	234.1	294.6	390.4	411.6	396.5	394.5	702.2	497.4
67.5°	151.3	157.4	173.5	189.7	211.9	194.7	141.2	148.3	121.1	120.1	97.9
70°	111.0	118.0	134.2	151.3	127.1	52.5	81.7	121.1	91.8	76.7	74.7
72.5°	83.7	88.8	103.9	98.9	37.3	20.2	54.5	87.8	70.6	56.5	55.5
75°	62.5	65.6	52.5	16.1	4.0	5.0	20.2	36.3	39.3	32.3	32.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	4.0	5.0	6.1
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



REPORT NUMBER: P634917  
 CATALOG NUMBER: GWS-SA3C-760-U-T2R-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9	1126.9
2.5°	1150.1	1107.7	1047.2	996.8	958.4	921.1	892.8	864.6	863.6	849.5	846.4
5°	1198.5	1121.9	1010.9	931.2	882.8	853.5	833.3	823.2	818.2	813.1	811.1
7.5°	1268.1	1158.2	1004.8	920.1	879.7	860.6	846.4	840.4	837.4	833.3	832.3
10°	1353.9	1210.6	1027.0	941.3	906.0	887.8	872.7	863.6	858.5	851.5	849.5
12.5°	1456.8	1275.2	1062.3	976.6	939.3	915.0	894.9	881.7	874.7	865.6	863.6
15°	1567.8	1344.8	1101.7	1008.9	964.5	933.2	908.0	887.8	874.7	863.6	860.6
17.5°	1682.8	1415.4	1137.0	1031.1	976.6	939.3	902.9	875.7	859.6	845.4	841.4
20°	1811.9	1488.1	1160.2	1035.1	972.5	923.1	880.7	846.4	830.3	811.1	807.1
22.5°	1947.1	1555.7	1170.3	1026.0	950.3	892.8	847.4	812.1	788.9	768.8	762.7
25°	2078.3	1616.2	1165.2	1000.8	917.1	850.5	804.1	767.7	742.5	722.3	717.3
27.5°	2217.5	1666.6	1147.1	963.5	871.7	804.1	759.7	728.4	705.2	683.0	678.0
30°	2373.9	1713.0	1117.8	918.1	818.2	756.6	722.3	701.2	675.9	652.7	645.7
32.5°	2562.5	1754.4	1075.4	863.6	770.8	715.3	696.1	680.0	650.7	626.5	621.5
35°	2778.4	1788.7	1022.0	807.1	724.4	689.1	685.0	663.8	625.5	597.2	591.2
37.5°	3028.6	1822.0	958.4	751.6	690.1	676.9	678.0	641.6	595.2	560.9	556.9
40°	3298.0	1855.3	887.8	703.2	658.8	669.9	660.8	609.4	533.7	500.4	496.4
42.5°	3578.4	1891.6	816.2	657.8	632.6	642.6	629.5	544.8	490.3	473.2	471.1
45°	3831.7	1935.0	738.5	612.4	606.3	603.3	581.1	493.3	470.1	458.0	457.0
47.5°	4014.3	1927.9	655.8	569.0	578.1	568.0	500.4	469.1	450.0	433.8	429.8
50°	3981.0	1804.9	570.0	520.6	541.8	532.7	450.0	440.9	423.7	406.6	400.5
52.5°	3896.2	1637.4	495.4	469.1	502.4	481.2	415.7	406.6	391.4	369.2	362.2
55°	3941.6	1480.0	436.8	427.8	462.1	398.5	377.3	363.2	347.0	322.8	319.8
57.5°	3795.3	1207.6	351.1	357.1	408.6	340.0	330.9	308.7	281.5	265.3	263.3
60°	2627.1	648.7	219.9	227.0	295.6	285.5	296.6	276.4	243.1	228.0	225.0
62.5°	1206.6	260.3	120.1	115.0	155.4	193.7	254.2	252.2	210.9	186.6	184.6
65°	292.6	119.0	85.8	80.7	87.8	116.0	165.5	198.7	170.5	142.2	139.2
67.5°	94.8	96.9	78.7	73.6	77.7	86.8	98.9	110.0	109.0	99.9	97.9
70°	75.7	87.8	72.6	66.6	66.6	69.6	66.6	53.5	46.4	50.4	52.5
72.5°	56.5	66.6	57.5	51.5	49.4	48.4	41.4	30.3	21.2	19.2	18.2
75°	33.3	37.3	35.3	30.3	28.2	25.2	20.2	13.1	7.1	5.0	3.0
77.5°	6.1	7.1	8.1	6.1	5.0	4.0	3.0	1.0	0.0	0.0	0.0
80°	0.0	1.0	1.0	1.0	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

(END OF REPORT)