

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: P642012

Luminaire Tested: GWS-SA6C-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642012
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-SA6C-722-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14020.6 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

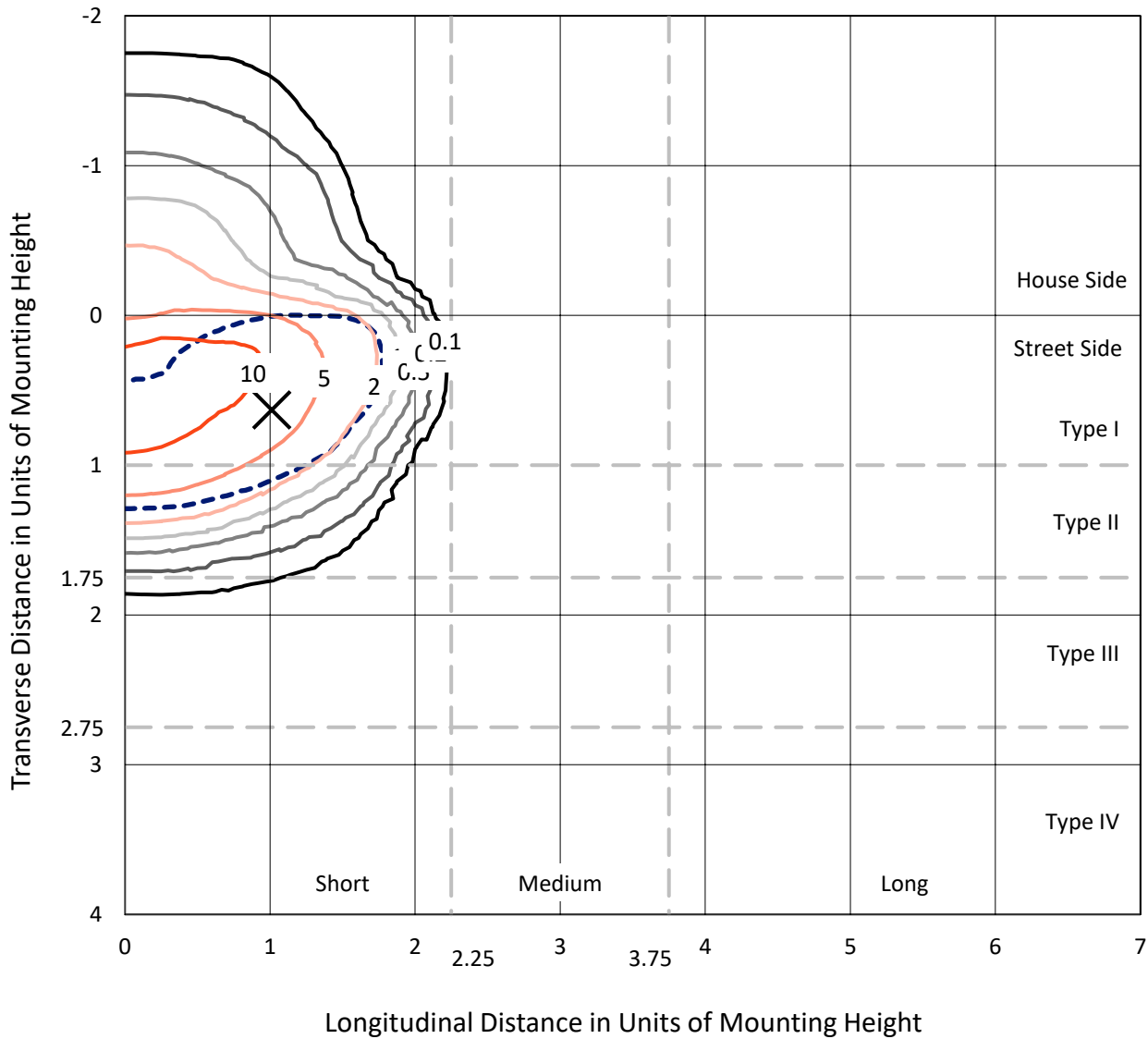
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642012
 CATALOG NUMBER: GWS-SA6C-722-U-T2R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

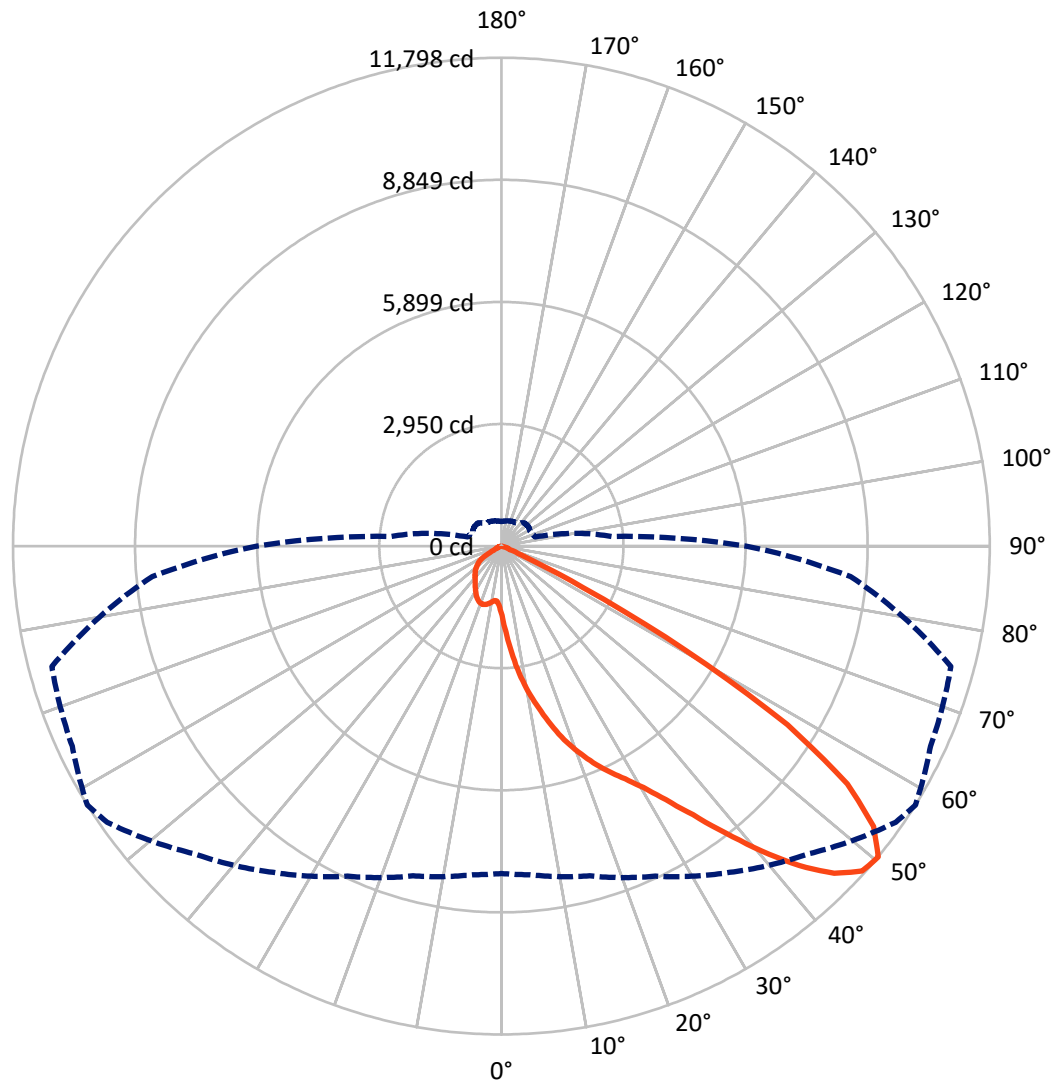
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.9 fc
 Type II - Short - N/A

REPORT NUMBER: P642012
CATALOG NUMBER: GWS-SA6C-722-U-T2R-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642012
 CATALOG NUMBER: GWS-SA6C-722-U-T2R-W-GRSBK

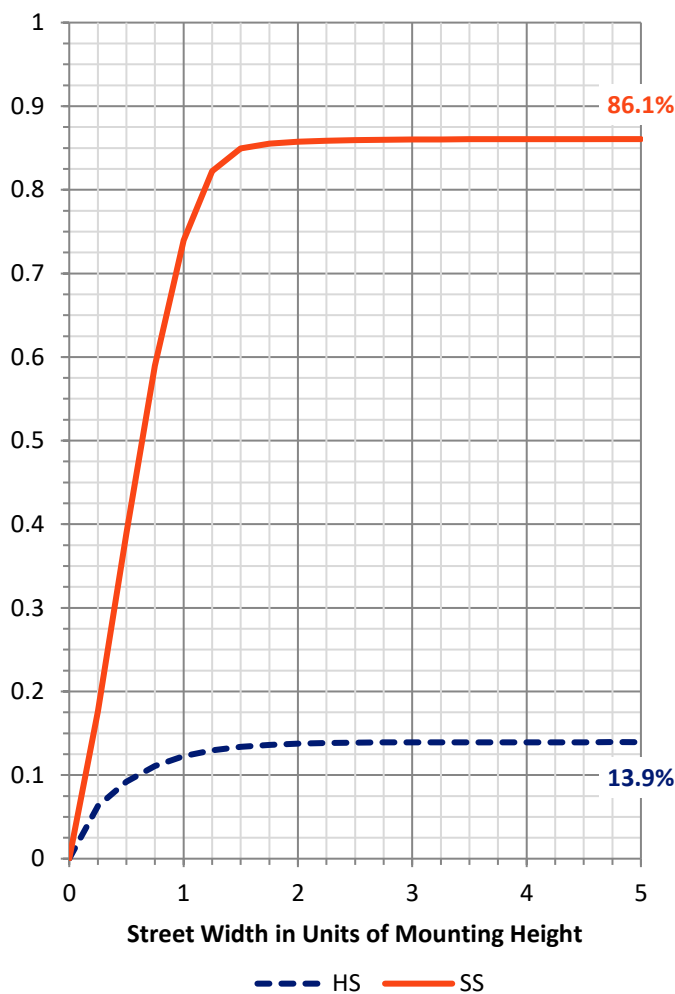
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1963.8	0.0	1963.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	12056.8	0.0	12056.8
	% Fixture	86.0	0.0	86.0
Total	Lumens	14020.6	0.0	14020.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.5	1.5
10°-20°	821.3	5.9
20°-30°	1662.0	11.9
30°-40°	2940.3	21.0
40°-50°	4286.3	30.6
50°-60°	3435.5	24.5
60°-70°	618.9	4.4
70°-80°	48.8	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°	14020.6	100.0
0°-180°	14020.6	100.0

Coefficient of Utilization



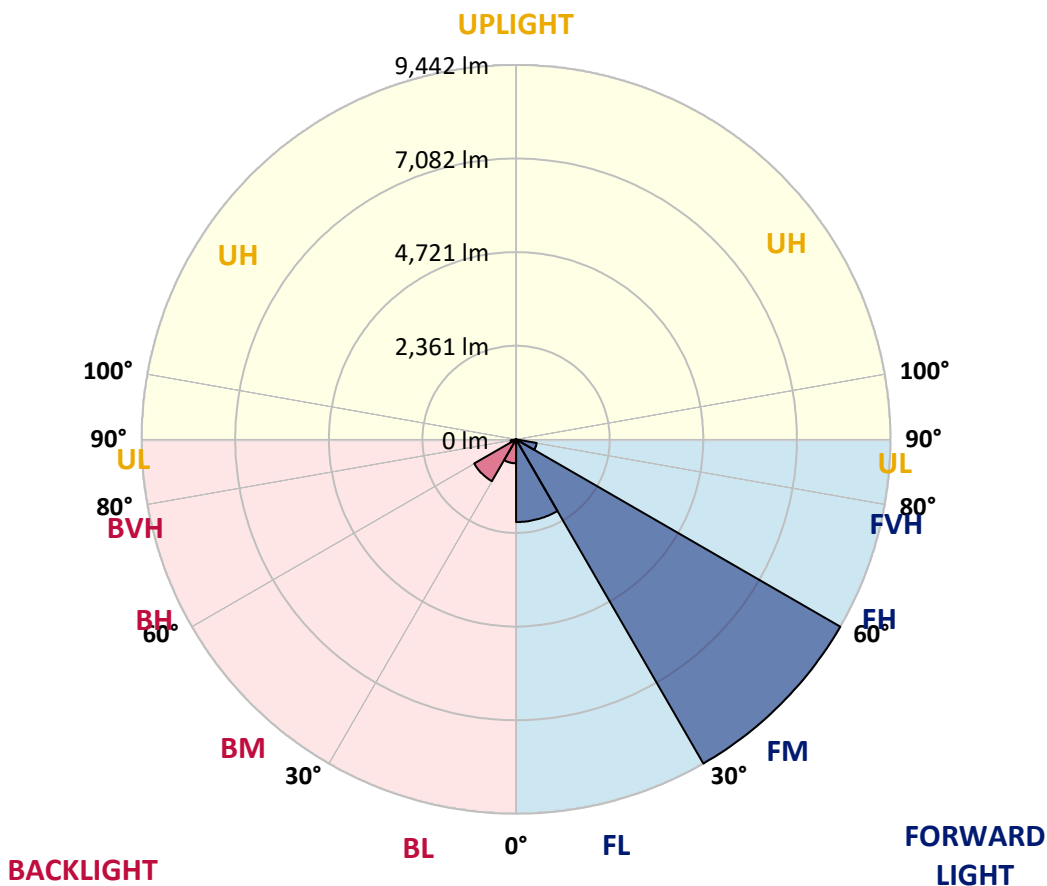
REPORT NUMBER: P642012

CATALOG NUMBER: GWS-SA6C-722-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°)	2086.2	14.9			
FM (30°-60°)	9442.5	67.3			
FH (60°-80°)	528.1	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	604.6	4.3	B2/1000		
BM (30°-60°)	1219.6	8.7	B2/2500		
BH (60°-80°)	139.6	1.0	B1/500		G1/500
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: B2-U0-G1
 Type II Short





REPORT NUMBER: P642012

CATALOG NUMBER: GWS-SA6C-722-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7
2.5°	2478.4	2439.4	2416.9	2398.9	2319.4	2193.5	2111.0	2067.6	1995.6	1874.1	1769.2
5°	3234.0	3205.5	3153.1	3117.1	3015.1	2836.7	2652.3	2578.8	2415.4	2141.0	1895.1
7.5°	3734.8	3713.8	3694.3	3646.3	3550.4	3388.5	3184.5	3108.1	2856.2	2466.4	2063.1
10°	4120.1	4103.6	4081.1	4079.6	4004.7	3859.2	3659.8	3580.4	3307.5	2820.2	2261.0
12.5°	4459.0	4445.5	4441.0	4483.0	4435.0	4327.0	4111.1	4012.2	3722.8	3181.5	2479.9
15°	4691.4	4688.4	4707.9	4790.3	4817.3	4767.8	4586.4	4480.0	4147.1	3544.4	2721.3
17.5°	4797.8	4806.8	4844.3	4986.7	5106.7	5148.7	5009.2	4919.3	4568.4	3911.7	2979.1
20°	4979.2	4976.2	4998.7	5133.7	5280.6	5430.5	5388.5	5312.1	4994.2	4300.0	3265.5
22.5°	5490.5	5447.0	5399.0	5420.0	5472.5	5647.9	5725.9	5686.9	5433.5	4698.9	3560.9
25°	6276.1	6231.2	6076.7	5926.8	5827.8	5907.3	6013.8	6033.2	5869.8	5108.2	3869.7
27.5°	7109.8	7069.3	6895.4	6670.5	6387.1	6249.2	6328.6	6367.6	6298.6	5595.4	4198.1
30°	7890.9	7836.9	7646.5	7367.6	7039.3	6827.9	6737.9	6764.9	6805.4	6172.7	4583.4
32.5°	8568.6	8528.1	8300.2	8006.4	7690.0	7469.6	7259.7	7304.7	7403.6	6878.9	5076.7
35°	9142.8	9121.8	8880.5	8588.1	8253.7	8141.3	7961.4	7970.4	8069.3	7732.0	5677.9
37.5°	9642.1	9606.1	9387.2	9115.8	8850.5	8832.5	8783.0	8787.5	8838.5	8726.0	6369.1
40°	9957.0	9924.0	9768.0	9600.1	9411.2	9414.2	9670.6	9690.1	9631.6	9702.1	7099.3
42.5°	10075.4	10051.4	9967.5	9969.0	9949.5	10037.9	10519.2	10555.2	10345.3	10468.2	7723.0
45°	9870.0	9859.5	9865.5	10081.4	10315.3	10588.2	11213.4	11276.4	10979.5	10976.5	8210.3
47.5°	9207.3	9186.3	9361.7	9729.1	10270.3	10801.1	11633.2	11730.7	11423.3	11267.4	8516.1
50°	7908.9	7968.9	8246.2	8798.0	9621.1	10508.7	11628.7	11798.1	11439.8	11241.9	8465.1
52.5°	5728.9	5716.9	6324.1	7082.8	8084.3	9573.1	11011.0	11258.4	11039.5	10991.5	8351.2
55°	3117.1	3226.5	3635.8	4640.4	5890.8	7802.4	9600.1	10139.9	10393.3	10900.0	8556.6
57.5°	1145.5	1193.5	1449.8	2160.5	3118.6	4851.8	7333.2	8147.3	8929.9	10645.1	8522.1
60°	461.8	470.8	572.7	794.6	1310.4	2469.4	4399.0	5121.7	5859.3	8148.8	6540.0
62.5°	335.8	347.8	388.3	464.8	662.7	1079.5	1896.6	2205.5	2410.9	4036.2	3222.0
65°	271.4	280.4	313.4	347.8	437.8	580.2	611.7	589.2	586.2	1043.5	739.2
67.5°	224.9	233.9	257.9	281.9	314.9	289.4	209.9	220.4	179.9	178.4	145.4
70°	164.9	175.4	199.4	224.9	188.9	78.0	121.4	179.9	136.4	113.9	110.9
72.5°	124.4	131.9	154.4	146.9	55.5	30.0	81.0	130.4	105.0	84.0	82.5
75°	93.0	97.5	78.0	24.0	6.0	7.5	30.0	54.0	58.5	48.0	48.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.5	6.0	7.5	9.0
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: P642012
 CATALOG NUMBER: GWS-SA6C-722-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7	1674.7
2.5°	1709.2	1646.2	1556.3	1481.3	1424.4	1368.9	1326.9	1284.9	1283.4	1262.4	1257.9
5°	1781.2	1667.2	1502.3	1383.9	1311.9	1268.4	1238.4	1223.4	1215.9	1208.4	1205.5
7.5°	1884.6	1721.2	1493.3	1367.4	1307.4	1278.9	1257.9	1248.9	1244.4	1238.4	1236.9
10°	2012.1	1799.2	1526.3	1398.9	1346.4	1319.4	1296.9	1283.4	1275.9	1265.4	1262.4
12.5°	2165.0	1895.1	1578.8	1451.3	1395.9	1359.9	1329.9	1310.4	1299.9	1286.4	1283.4
15°	2329.9	1998.6	1637.3	1499.3	1433.3	1386.9	1349.4	1319.4	1299.9	1283.4	1278.9
17.5°	2500.9	2103.5	1689.7	1532.3	1451.3	1395.9	1341.9	1301.4	1277.4	1256.4	1250.4
20°	2692.8	2211.5	1724.2	1538.3	1445.3	1371.9	1308.9	1257.9	1233.9	1205.5	1199.5
22.5°	2893.7	2311.9	1739.2	1524.8	1412.4	1326.9	1259.4	1206.9	1172.5	1142.5	1133.5
25°	3088.6	2401.9	1731.7	1487.3	1362.9	1263.9	1195.0	1141.0	1103.5	1073.5	1066.0
27.5°	3295.5	2476.9	1704.7	1431.8	1295.4	1195.0	1129.0	1082.5	1048.0	1015.0	1007.5
30°	3527.9	2545.8	1661.2	1364.4	1215.9	1124.5	1073.5	1042.0	1004.5	970.1	959.6
32.5°	3808.3	2607.3	1598.3	1283.4	1145.5	1063.0	1034.5	1010.5	967.1	931.1	923.6
35°	4129.1	2658.3	1518.8	1199.5	1076.5	1024.0	1018.0	986.6	929.6	887.6	878.6
37.5°	4500.9	2707.8	1424.4	1117.0	1025.5	1006.0	1007.5	953.6	884.6	833.6	827.6
40°	4901.3	2757.2	1319.4	1045.0	979.1	995.5	982.1	905.6	793.1	743.7	737.7
42.5°	5318.1	2811.2	1212.9	977.6	940.1	955.1	935.6	809.6	728.7	703.2	700.2
45°	5694.4	2875.7	1097.5	910.1	901.1	896.6	863.6	733.2	698.7	680.7	679.2
47.5°	5965.8	2865.2	974.6	845.6	859.1	844.1	743.7	697.2	668.7	644.7	638.7
50°	5916.3	2682.3	847.1	773.6	805.1	791.6	668.7	655.2	629.7	604.2	595.2
52.5°	5790.4	2433.4	736.2	697.2	746.7	715.2	617.7	604.2	581.7	548.7	538.3
55°	5857.8	2199.5	649.2	635.7	686.7	592.2	560.7	539.8	515.8	479.8	475.3
57.5°	5640.4	1794.7	521.8	530.8	607.2	505.3	491.8	458.8	418.3	394.3	391.3
60°	3904.2	964.1	326.9	337.3	439.3	424.3	440.8	410.8	361.3	338.8	334.3
62.5°	1793.2	386.8	178.4	170.9	230.9	287.9	377.8	374.8	313.4	277.4	274.4
65°	434.8	176.9	127.4	119.9	130.4	172.4	245.9	295.4	253.4	211.4	206.9
67.5°	140.9	143.9	116.9	109.5	115.4	128.9	146.9	163.4	161.9	148.4	145.4
70°	112.4	130.4	108.0	99.0	99.0	103.5	99.0	79.5	69.0	75.0	78.0
72.5°	84.0	99.0	85.5	76.5	73.5	72.0	61.5	45.0	31.5	28.5	27.0
75°	49.5	55.5	52.5	45.0	42.0	37.5	30.0	19.5	10.5	7.5	4.5
77.5°	9.0	10.5	12.0	9.0	7.5	6.0	4.5	1.5	0.0	0.0	0.0
80°	0.0	1.5	1.5	1.5	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)