

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: P632548

Luminaire Tested: GWS-SA2C-830-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632548
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-SA2C-830-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4367.3 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

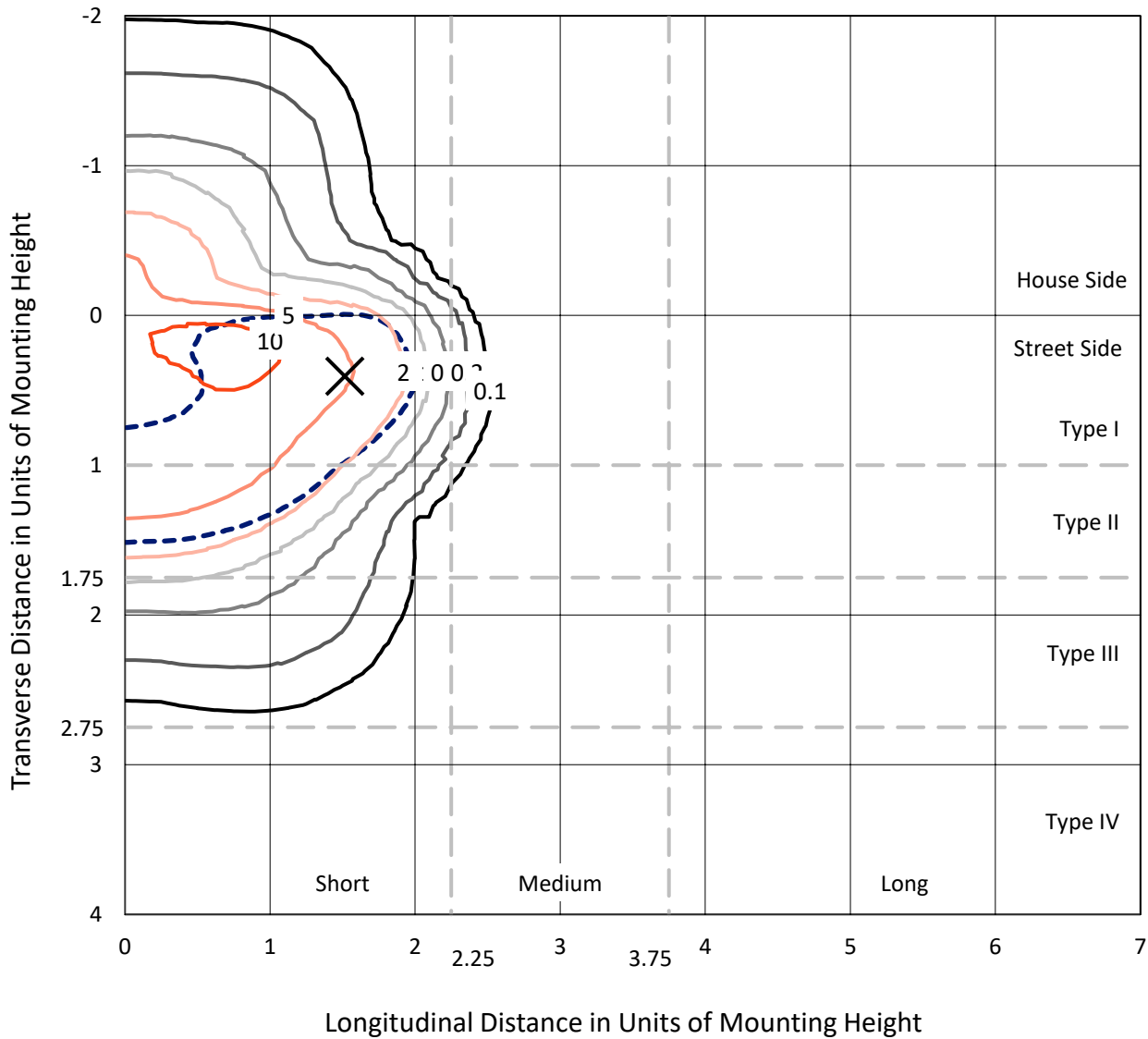
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA2C-830-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

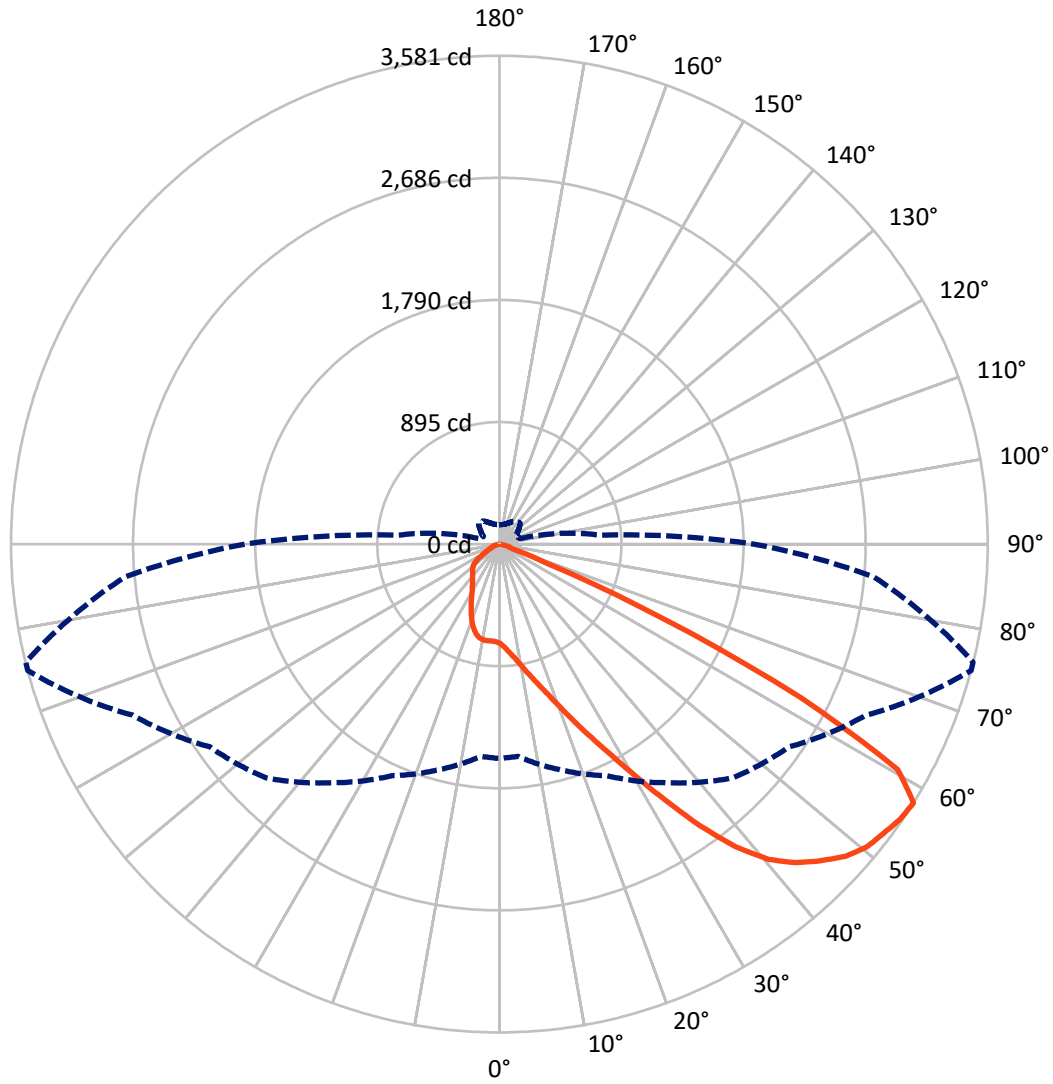
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA2C-830-U-T2-W-GRSBK

Luminous Intensity Polar Plot



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

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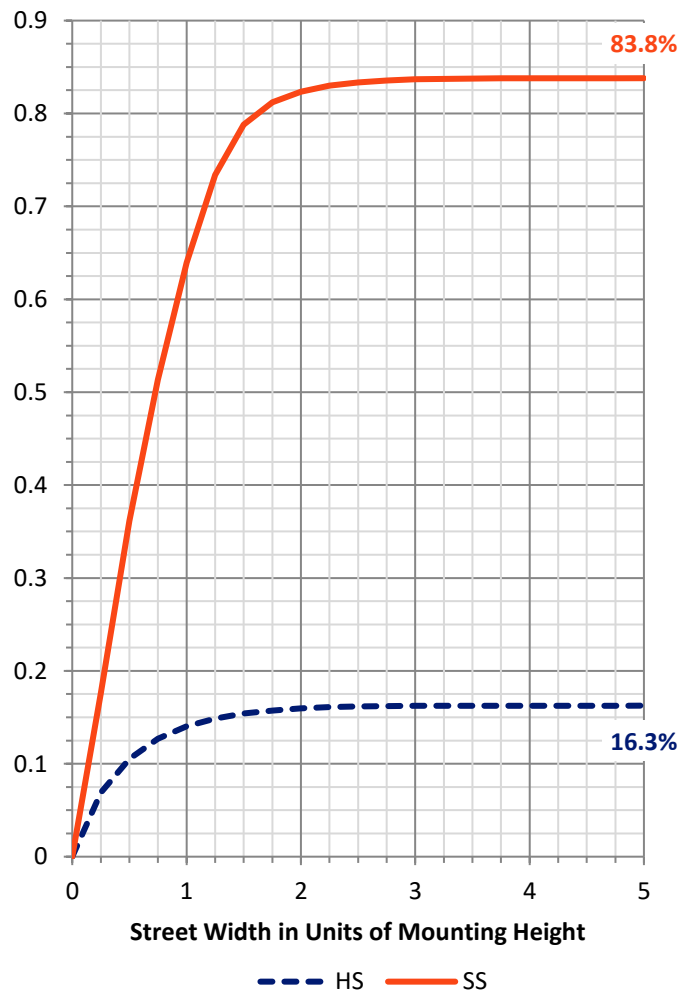
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	713.4	0.0	713.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3653.9	0.0	3653.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	4367.3	0.0	4367.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.7
10°-20°	240.8	5.5
20°-30°	440.9	10.1
30°-40°	731.5	16.8
40°-50°	1117.2	25.6
50°-60°	1255.4	28.7
60°-70°	463.0	10.6
70°-80°	44.3	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°	4367.3	100.0
0°-180°	4367.3	100.0

Coefficient of Utilization



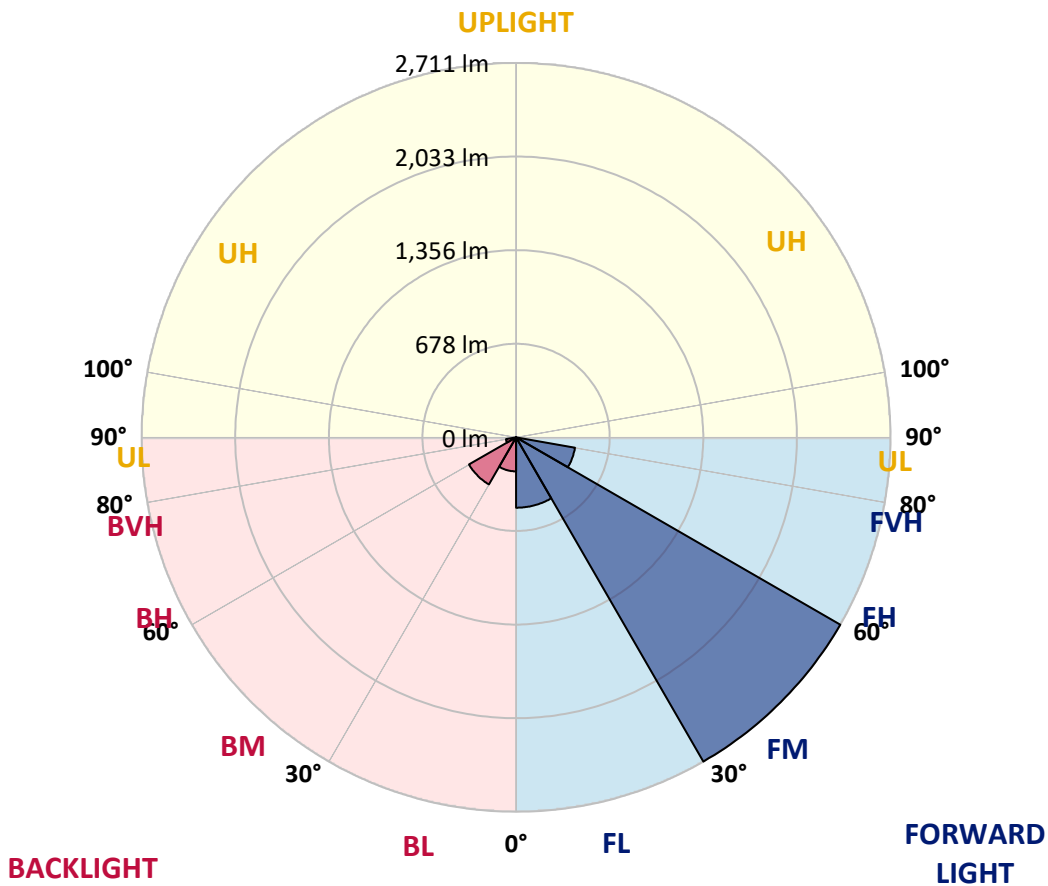
REPORT NUMBER: P632548

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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°)	509.7	11.7			
FM (30°-60°)	2711.0	62.1			
FH (60°-80°)	433.2	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	246.2	5.6	B1/500		
BM (30°-60°)	393.1	9.0	B1/1000		
BH (60°-80°)	74.1	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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4
2.5°	813.8	822.2	819.6	814.3	811.2	800.1	793.2	773.2	759.0	757.4	744.2
5°	916.6	915.0	912.9	906.6	901.3	883.9	863.3	829.6	799.6	795.9	767.9
7.5°	973.0	974.0	975.1	974.0	970.3	957.2	934.5	895.0	849.1	845.9	801.7
10°	996.2	998.3	1003.5	1013.5	1022.5	1021.5	1008.3	967.7	911.3	906.0	846.5
12.5°	1007.2	1009.9	1018.3	1037.3	1061.5	1080.5	1082.6	1046.2	984.0	975.6	899.7
15°	1022.5	1025.1	1035.7	1060.5	1095.8	1133.2	1157.4	1134.2	1064.7	1055.7	958.2
17.5°	1029.4	1033.0	1048.3	1081.0	1126.9	1184.3	1239.1	1237.0	1160.1	1153.2	1026.2
20°	1042.5	1045.2	1058.9	1094.2	1149.5	1232.3	1324.5	1357.7	1276.6	1266.5	1108.4
22.5°	1084.2	1085.2	1091.6	1113.7	1165.3	1267.1	1411.5	1498.4	1414.1	1400.9	1200.7
25°	1152.2	1151.6	1154.3	1158.0	1195.9	1302.4	1495.3	1657.1	1571.7	1557.5	1305.0
27.5°	1238.6	1238.6	1244.9	1234.4	1249.7	1346.1	1578.0	1839.5	1755.1	1735.1	1419.4
30°	1340.3	1339.8	1354.6	1337.7	1342.4	1415.2	1667.1	2038.2	1976.5	1951.7	1551.2
32.5°	1478.4	1475.3	1492.1	1468.9	1453.1	1519.5	1775.7	2245.8	2241.6	2203.7	1716.7
35°	1652.9	1647.6	1652.9	1630.2	1601.8	1665.5	1918.0	2453.0	2535.7	2495.7	1913.8
37.5°	1826.3	1843.1	1848.9	1809.9	1786.8	1850.5	2089.3	2638.5	2816.6	2775.0	2118.8
40°	2030.8	2025.5	2045.5	2001.8	1987.0	2057.7	2256.9	2776.6	3039.1	2999.5	2301.2
42.5°	2181.5	2191.0	2215.8	2191.5	2179.9	2246.4	2397.6	2857.2	3193.5	3154.5	2431.4
45°	2362.3	2369.2	2378.6	2358.6	2346.5	2411.9	2499.3	2892.5	3311.0	3268.9	2518.8
47.5°	2557.8	2563.1	2563.1	2522.0	2483.0	2509.9	2567.3	2912.6	3419.1	3378.5	2583.7
50°	2698.0	2700.7	2723.9	2694.9	2610.0	2568.4	2598.4	2932.1	3490.8	3452.8	2604.8
52.5°	2573.7	2570.5	2646.9	2707.0	2729.7	2646.9	2652.2	2960.5	3525.5	3492.9	2621.6
55°	2167.3	2162.0	2269.5	2415.5	2615.3	2721.2	2717.0	2977.4	3564.0	3544.0	2682.8
57.5°	1571.2	1562.2	1711.9	1874.2	2136.2	2423.4	2592.1	2967.9	3580.9	3579.3	2753.9
60°	944.5	937.1	1078.4	1249.1	1451.5	1740.4	2020.2	2658.5	3355.3	3358.5	2568.9
62.5°	581.4	588.2	715.8	802.7	878.1	965.1	1126.9	1788.3	2485.6	2506.2	1805.2
65°	391.1	396.4	514.4	624.0	624.0	510.2	438.0	854.9	1326.1	1291.3	853.8
67.5°	262.5	268.3	361.6	489.6	508.1	355.8	177.6	255.1	369.5	358.4	211.4
70°	154.4	160.8	240.9	335.7	370.0	247.7	118.6	108.0	104.9	101.7	82.2
72.5°	69.0	71.7	122.8	170.8	156.0	104.4	83.8	86.4	81.7	80.1	66.9
75°	21.1	22.1	31.6	36.9	37.4	37.4	50.6	68.0	64.3	64.8	51.7
77.5°	5.3	5.3	8.4	7.9	4.2	3.7	9.5	15.3	15.8	14.2	10.5
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4
2.5°	738.4	724.7	715.8	703.1	694.1	684.7	676.2	669.4	665.7	664.6	665.2
5°	755.3	733.7	712.6	688.3	671.5	655.7	643.0	633.0	628.3	626.7	626.7
7.5°	781.1	751.1	713.6	675.7	647.2	622.5	607.7	596.6	592.4	591.4	588.2
10°	814.8	773.7	712.1	653.0	613.0	587.2	576.6	573.4	575.0	575.6	575.0
12.5°	855.4	797.5	702.1	619.8	576.6	560.8	561.9	570.3	579.8	584.5	585.6
15°	898.6	819.1	679.4	580.3	545.5	545.0	560.3	579.8	598.2	606.1	608.2
17.5°	947.1	836.5	644.6	538.1	518.6	533.9	561.3	591.4	616.1	629.3	632.0
20°	1000.4	850.7	600.3	498.6	494.9	522.3	560.3	597.2	627.7	642.5	645.1
22.5°	1055.7	860.7	549.2	462.2	473.3	509.1	550.3	586.1	615.1	632.0	634.1
25°	1119.0	861.8	497.0	431.7	453.3	491.2	526.0	555.5	579.8	594.5	596.1
27.5°	1174.3	849.1	450.6	406.9	434.8	469.1	492.3	508.6	525.5	533.9	534.4
30°	1238.1	827.0	406.9	386.9	415.9	441.7	453.3	457.0	458.5	460.1	458.0
32.5°	1314.0	800.1	374.2	367.4	394.2	411.6	414.8	407.4	398.5	385.8	382.6
35°	1407.3	775.8	347.3	348.4	370.5	381.1	378.4	362.6	345.2	329.9	327.3
37.5°	1508.5	755.3	326.8	329.9	344.7	352.1	344.2	326.8	318.9	305.7	306.2
40°	1598.1	738.4	308.3	311.5	318.3	325.2	312.5	301.0	315.7	314.7	315.7
42.5°	1661.8	724.2	292.5	290.9	295.7	300.4	290.9	285.1	309.9	303.1	306.8
45°	1699.3	711.0	279.3	269.9	277.2	285.7	279.3	272.0	280.4	248.8	246.1
47.5°	1724.6	703.6	267.7	249.3	262.5	277.2	264.1	246.1	234.0	206.6	204.5
50°	1727.2	699.9	254.0	228.2	245.1	260.9	245.6	220.8	203.4	191.3	189.7
52.5°	1740.9	707.3	235.1	201.3	219.8	245.1	234.5	209.8	186.1	175.5	173.4
55°	1802.0	738.4	203.4	164.4	191.3	233.0	225.6	187.1	164.4	158.1	156.5
57.5°	1865.3	744.7	160.2	130.2	166.6	215.6	206.1	172.4	150.2	142.8	141.3
60°	1705.6	613.5	120.2	107.5	147.1	199.2	190.8	163.4	137.6	128.6	127.0
62.5°	1120.5	331.5	95.4	91.2	123.9	168.7	173.9	147.6	122.8	113.3	112.8
65°	516.5	153.9	73.3	72.2	97.0	134.4	149.7	129.1	103.8	95.4	95.4
67.5°	140.7	76.4	57.5	53.2	65.9	90.1	109.1	96.5	73.8	63.8	63.2
70°	70.1	61.7	51.7	45.9	47.4	55.9	64.3	53.8	37.4	30.6	30.0
72.5°	57.5	50.6	43.7	39.0	35.8	34.3	33.2	26.9	17.4	13.2	12.6
75°	42.7	36.4	31.1	25.3	21.6	20.0	17.9	13.2	7.4	4.2	3.7
77.5°	9.5	9.0	8.4	6.3	5.8	4.7	3.7	2.6	1.1	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	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)