

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: P634540

Luminaire Tested: GWS-SA3B-830-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5182.4 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

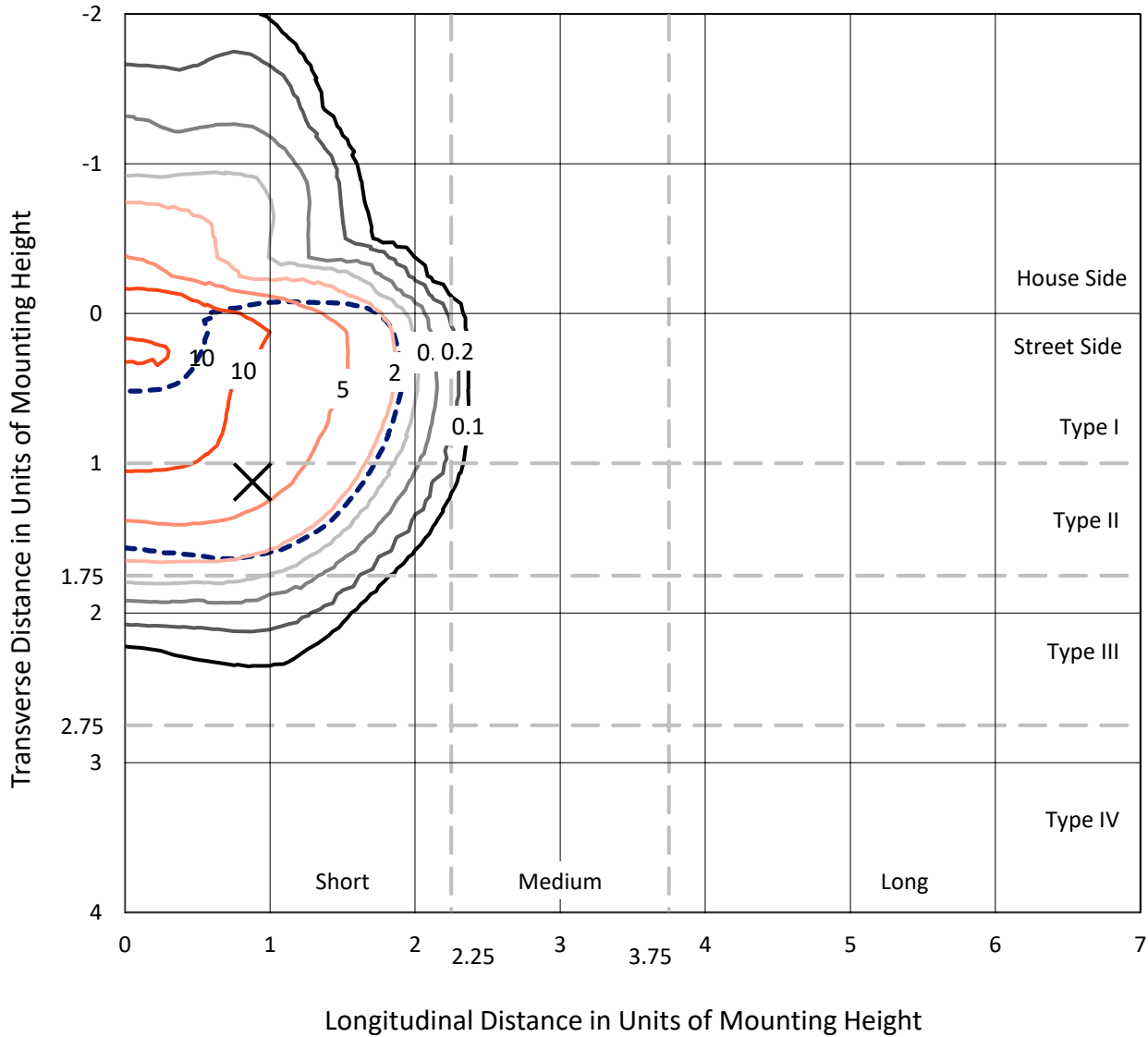
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

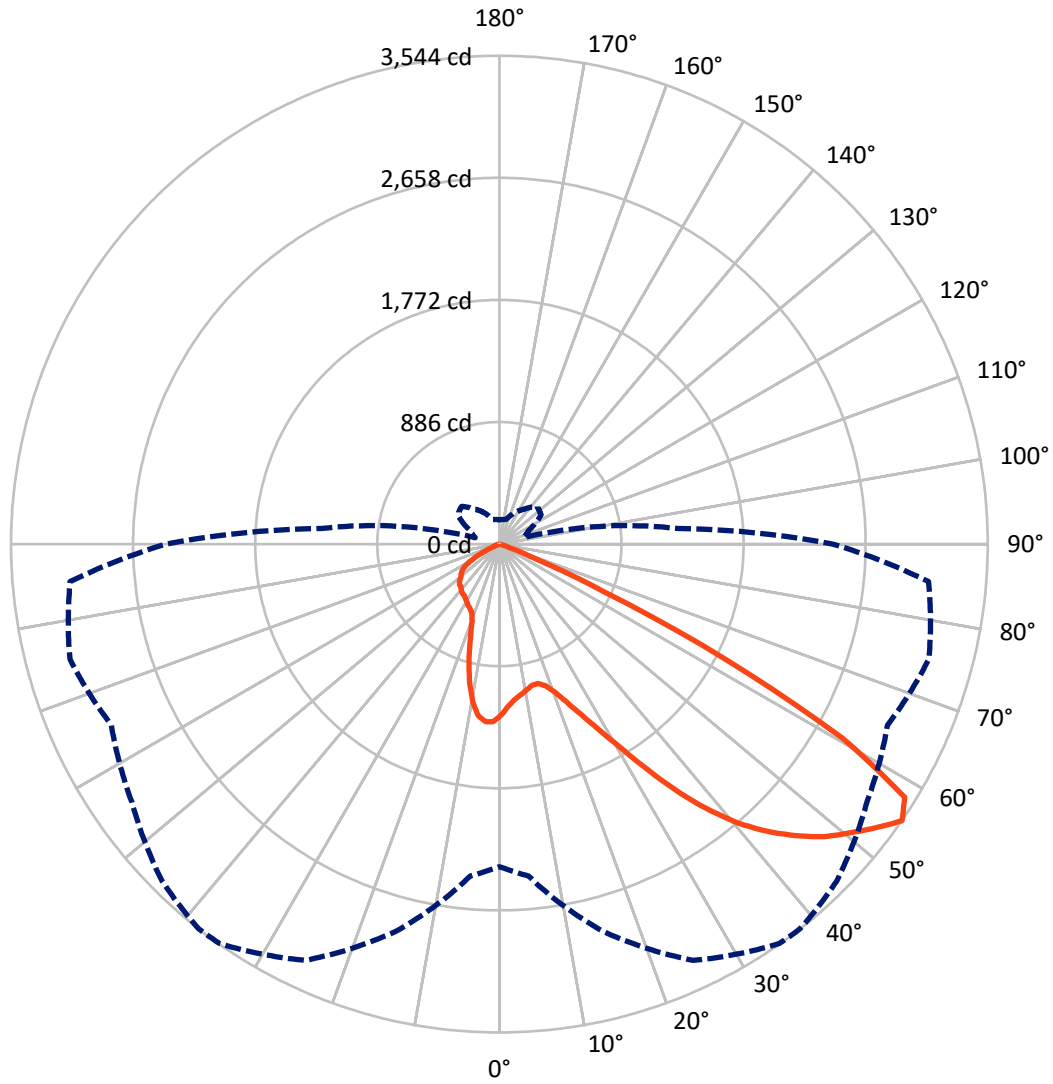
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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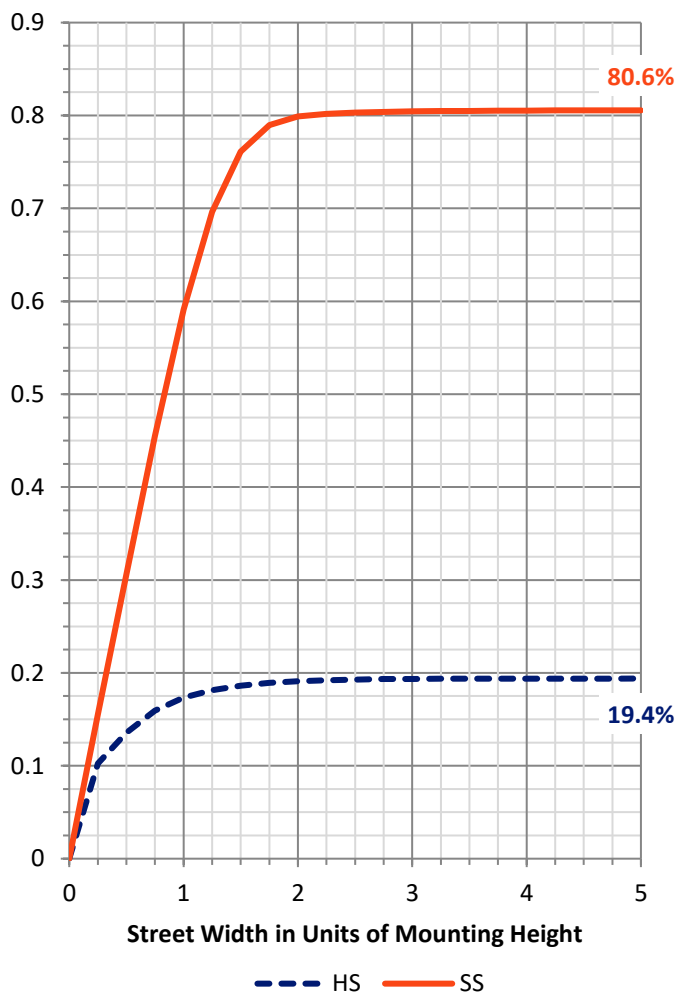
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1009.7	0.0	1009.7
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	4172.7	0.0	4172.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	5182.4	0.0	5182.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	2.2
10°-20°	309.4	6.0
20°-30°	530.9	10.2
30°-40°	880.5	17.0
40°-50°	1294.4	25.0
50°-60°	1512.5	29.2
60°-70°	512.7	9.9
70°-80°	26.2	0.5
80°-90°	1.0	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°	5182.4	100.0
0°-180°	5182.4	100.0

Coefficient of Utilization



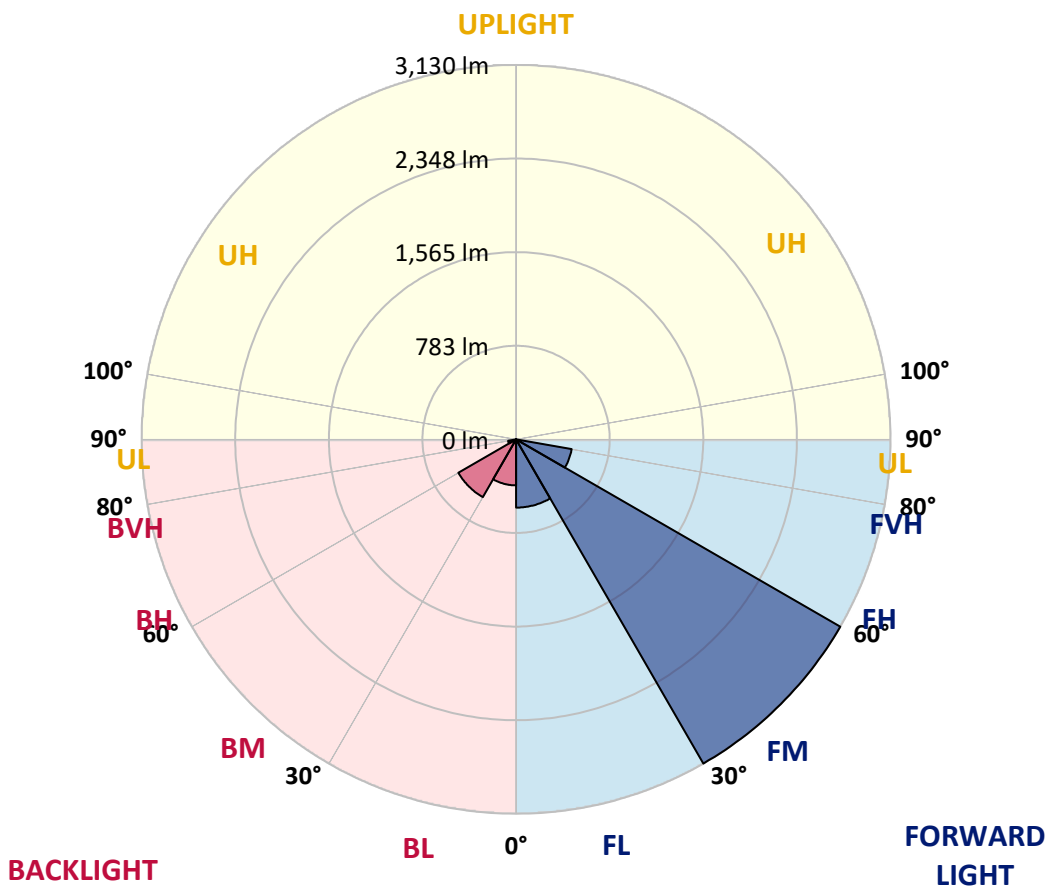
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.5	11.0			
FM (30°-60°)	3130.0	60.4			
FH (60°-80°)	471.7	9.1			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	384.7	7.4	B1/500		
BM (30°-60°)	557.3	10.8	B1/1000		
BH (60°-80°)	67.2	1.3	B0/110		G0/110
BVH (80°-90°)	0.5	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°	38°	45°	55°	65°	75°	85°
0°	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8
2.5°	1157.5	1155.1	1159.8	1169.3	1178.2	1181.2	1190.1	1202.5	1210.2	1228.6	1243.4
5°	1105.4	1104.2	1108.9	1117.2	1129.0	1133.2	1146.8	1167.5	1188.3	1220.3	1251.7
7.5°	1058.0	1057.4	1064.5	1082.8	1100.0	1105.4	1121.9	1147.4	1175.2	1224.4	1270.6
10°	995.8	996.4	1010.0	1036.0	1067.4	1078.1	1104.8	1141.5	1177.6	1241.0	1305.0
12.5°	975.6	976.8	983.9	1004.1	1038.4	1052.0	1089.4	1145.0	1191.2	1264.7	1349.4
15°	1024.8	1024.8	1018.9	1021.2	1036.6	1049.1	1088.2	1156.9	1214.3	1293.1	1393.2
17.5°	1120.2	1116.6	1101.8	1081.7	1076.3	1080.5	1111.9	1182.4	1246.9	1326.3	1443.0
20°	1249.3	1250.5	1221.5	1179.4	1145.6	1145.0	1164.0	1227.4	1293.7	1366.0	1496.9
22.5°	1405.7	1400.9	1362.4	1305.0	1246.3	1241.6	1249.3	1296.1	1361.3	1428.8	1563.2
25°	1586.9	1584.6	1530.1	1453.1	1375.5	1364.2	1364.2	1410.4	1457.8	1518.2	1642.6
27.5°	1776.5	1776.5	1723.8	1634.9	1531.9	1511.7	1508.8	1563.2	1594.6	1606.5	1709.6
30°	1971.4	1969.0	1916.9	1825.7	1715.5	1694.8	1686.5	1726.7	1749.3	1713.7	1793.1
32.5°	2169.2	2173.4	2120.7	2036.0	1937.6	1924.0	1898.5	1898.5	1916.9	1867.1	1924.6
35°	2381.9	2380.7	2339.2	2281.8	2197.7	2182.3	2140.2	2074.5	2102.3	2080.4	2106.4
37.5°	2569.7	2578.6	2558.4	2515.8	2447.6	2432.2	2362.9	2243.9	2265.2	2299.6	2322.7
40°	2760.4	2767.5	2787.7	2774.0	2688.1	2659.7	2536.5	2341.0	2364.7	2482.6	2548.9
42.5°	2947.6	2951.2	2992.0	3014.5	2899.6	2849.9	2668.0	2400.3	2425.1	2625.9	2742.1
45°	3066.7	3074.4	3141.9	3210.6	3086.2	3018.1	2782.3	2476.1	2486.7	2725.5	2884.8
47.5°	3061.9	3079.7	3206.5	3331.5	3246.7	3173.3	2919.8	2597.5	2579.7	2819.1	2979.0
50°	2966.6	2987.9	3169.7	3368.2	3362.3	3294.1	3072.6	2773.4	2717.8	2902.0	2990.8
52.5°	2768.7	2830.3	3105.2	3372.9	3455.3	3420.9	3261.6	3010.4	2904.4	3021.1	3009.8
55°	2341.0	2416.8	2909.1	3332.6	3539.4	3543.5	3460.0	3257.4	3106.9	3226.0	3126.5
57.5°	1777.1	1837.5	2239.1	2966.6	3400.2	3468.3	3537.0	3387.7	3231.9	3365.8	3153.7
60°	1071.0	1140.9	1402.1	2176.9	2746.2	2862.3	3131.8	3102.8	2915.0	2972.5	2586.3
62.5°	434.2	470.9	647.5	1199.5	1728.5	1836.9	2095.2	2139.0	2092.8	2034.2	1568.6
65°	158.8	173.6	259.5	495.8	795.0	834.6	970.9	1048.5	1112.5	947.2	583.5
67.5°	98.3	107.8	168.8	254.7	289.1	268.9	273.7	326.4	311.6	192.5	104.3
70°	72.9	80.6	132.1	176.5	116.7	90.0	61.0	65.2	58.6	51.5	50.9
72.5°	50.4	57.5	98.9	104.3	45.0	32.0	22.5	31.4	35.5	34.9	36.1
75°	33.2	38.5	62.2	40.9	11.3	8.9	7.7	16.6	21.3	21.3	21.9
77.5°	19.5	22.5	21.9	8.3	2.4	2.4	1.8	3.0	4.7	5.3	6.5
80°	2.4	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8
82.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8
85°	0.0	0.0	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.8	1.8
87.5°	0.0	0.0	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.8	1.8
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°	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8
2.5°	1254.6	1250.5	1267.7	1280.1	1290.2	1294.9	1288.4	1287.8	1287.8	1274.8	1271.2
5°	1269.4	1271.2	1295.5	1306.2	1307.9	1302.0	1287.2	1277.1	1271.2	1257.6	1249.9
7.5°	1297.9	1303.8	1326.9	1325.1	1309.1	1281.9	1242.8	1212.6	1193.0	1171.7	1158.7
10°	1338.7	1350.0	1364.2	1339.3	1288.4	1219.1	1138.5	1081.1	1046.7	1022.4	1007.6
12.5°	1388.5	1399.8	1395.0	1336.4	1230.3	1106.5	1002.9	919.9	880.3	858.3	842.9
15°	1438.9	1446.0	1415.2	1300.8	1127.9	961.4	845.9	763.6	715.0	697.2	684.2
17.5°	1490.4	1488.6	1418.7	1230.9	991.0	797.9	684.2	627.9	614.3	611.3	610.1
20°	1544.3	1528.3	1404.5	1130.8	826.3	636.2	571.6	575.2	600.1	611.9	614.3
22.5°	1605.9	1565.6	1369.0	995.2	658.1	530.2	536.7	571.6	605.4	621.4	623.8
25°	1671.7	1600.0	1309.7	821.0	518.9	487.5	526.0	566.3	602.4	622.0	624.4
27.5°	1714.9	1608.3	1212.6	645.7	445.5	470.9	511.8	550.3	587.6	608.9	611.9
30°	1761.7	1604.7	1080.5	497.6	420.6	456.7	492.3	527.2	561.6	585.3	587.6
32.5°	1830.4	1602.3	919.3	404.0	410.5	445.5	471.5	500.5	524.2	537.9	536.1
35°	1920.4	1599.4	731.6	364.3	404.6	436.6	457.3	470.9	444.9	436.6	438.3
37.5°	2036.0	1606.5	573.4	347.7	402.8	434.2	452.0	412.9	372.6	357.2	354.8
40°	2163.9	1624.9	437.2	341.2	408.7	440.1	431.8	367.3	317.5	287.3	280.8
42.5°	2292.4	1645.0	345.9	338.8	418.8	456.7	398.7	334.1	259.5	242.3	239.9
45°	2387.8	1641.4	299.1	334.7	427.7	466.2	389.8	286.7	231.6	223.9	224.5
47.5°	2435.8	1602.3	273.7	325.2	431.2	456.7	367.9	267.2	212.7	221.0	228.1
50°	2410.3	1501.0	250.0	306.8	423.5	444.3	332.9	252.3	203.2	237.5	253.5
52.5°	2379.5	1376.7	223.9	278.4	405.2	427.1	319.3	248.2	197.3	229.2	241.1
55°	2420.4	1297.9	181.3	234.6	369.0	386.8	308.6	247.6	183.6	178.3	176.5
57.5°	2362.9	1140.9	129.7	168.8	283.1	306.3	300.9	243.5	162.9	162.3	164.7
60°	1826.3	696.0	88.9	107.2	173.6	195.5	273.1	232.8	140.4	129.1	129.7
62.5°	1037.8	296.2	61.0	66.3	88.9	105.4	208.5	211.5	129.7	123.2	129.7
65°	361.3	106.0	47.4	44.4	49.2	56.3	119.7	163.5	117.9	106.6	107.8
67.5°	74.6	52.7	42.1	36.7	36.7	36.7	61.0	101.9	97.1	84.7	85.9
70°	47.4	45.0	36.7	31.4	30.2	27.8	34.9	56.3	66.9	61.6	62.2
72.5°	34.9	34.4	29.0	25.5	22.5	20.1	21.9	27.8	34.4	35.5	36.1
75°	21.3	21.9	19.0	16.0	14.2	12.4	13.0	13.0	13.0	11.8	13.0
77.5°	6.5	7.1	5.9	4.7	4.1	4.1	4.1	3.6	3.0	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.0	0.0
82.5°	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	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)