

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: P634319

Luminaire Tested: GWS-SA3B-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10408.5 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

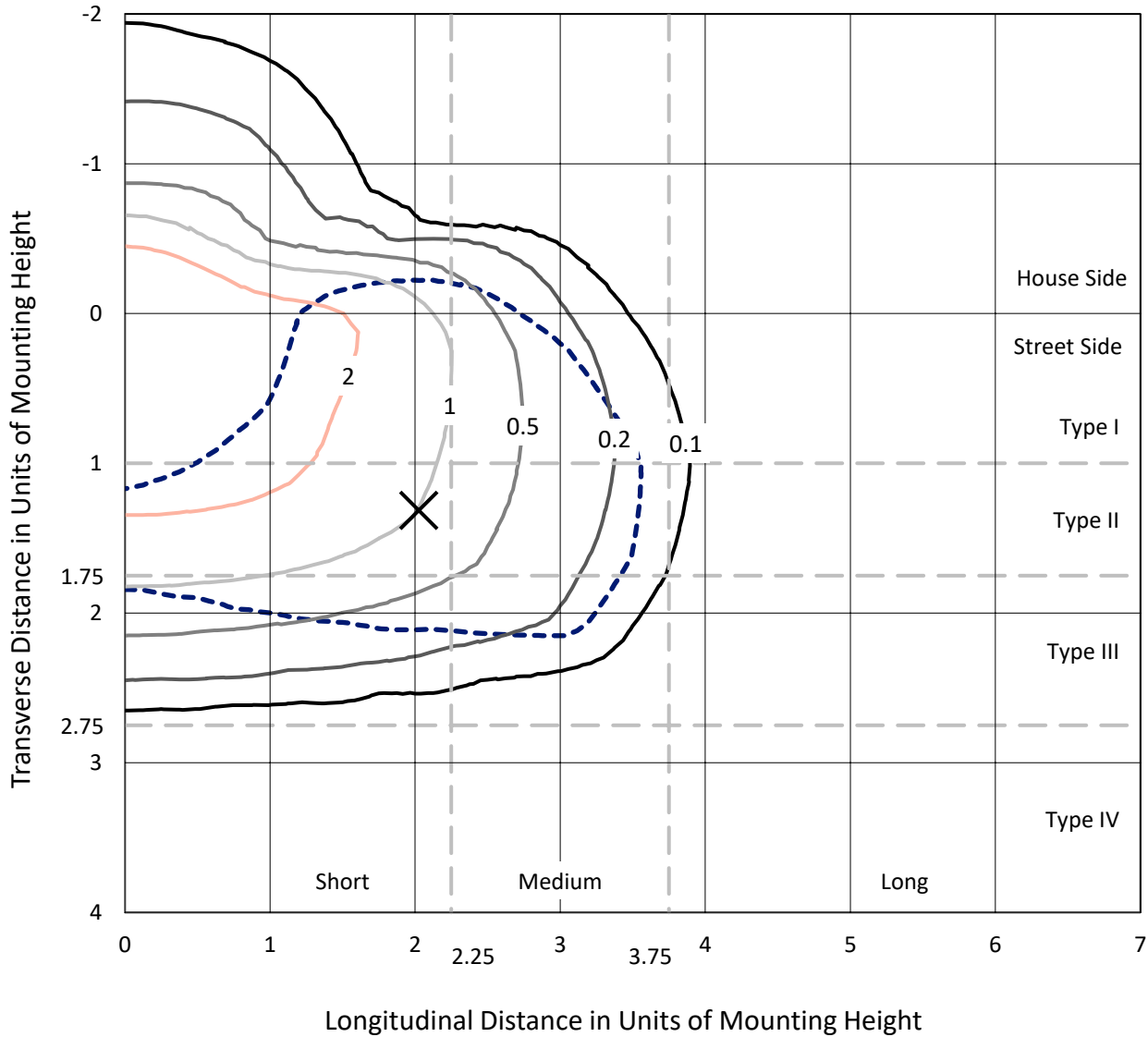
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

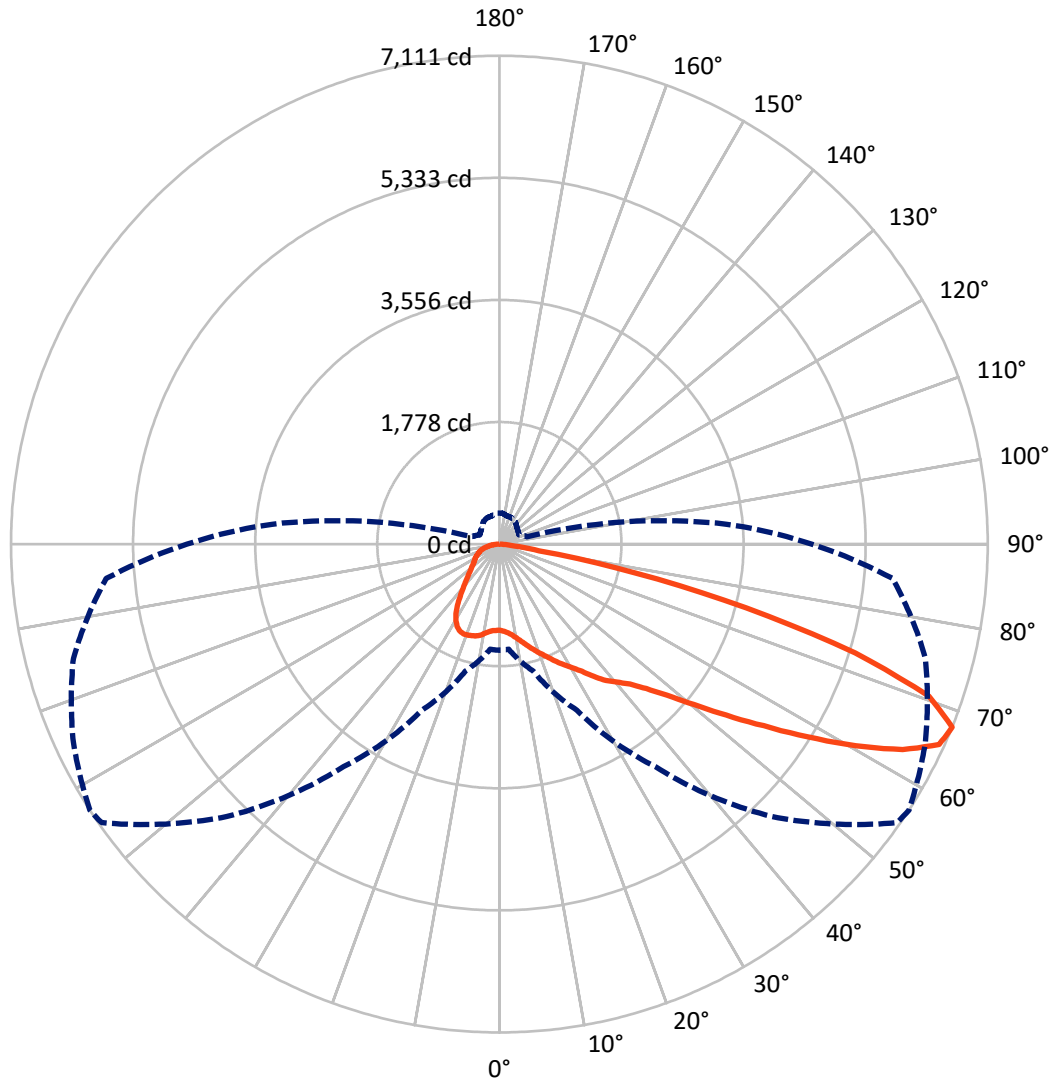
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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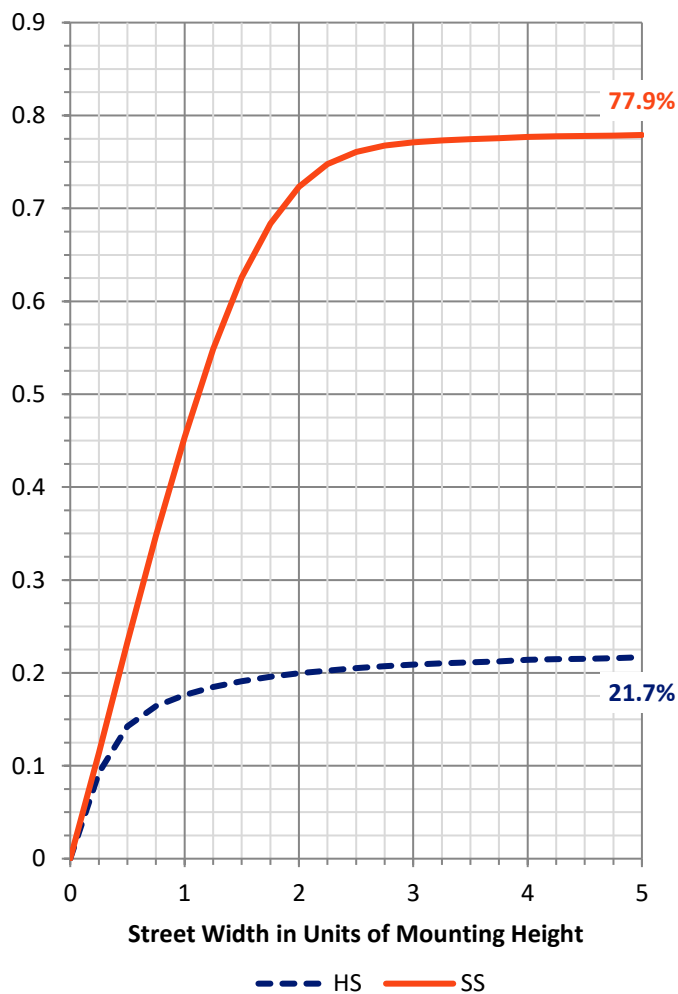
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2288.4	0.0	2288.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8120.1	0.0	8120.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	10408.5	0.0	10408.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	1.2
10°-20°	411.8	4.0
20°-30°	734.1	7.1
30°-40°	1067.3	10.3
40°-50°	1544.8	14.8
50°-60°	2417.5	23.2
60°-70°	2820.2	27.1
70°-80°	1177.3	11.3
80°-90°	111.1	1.1
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°	10408.5	100.0
0°-180°	10408.5	100.0

Coefficient of Utilization



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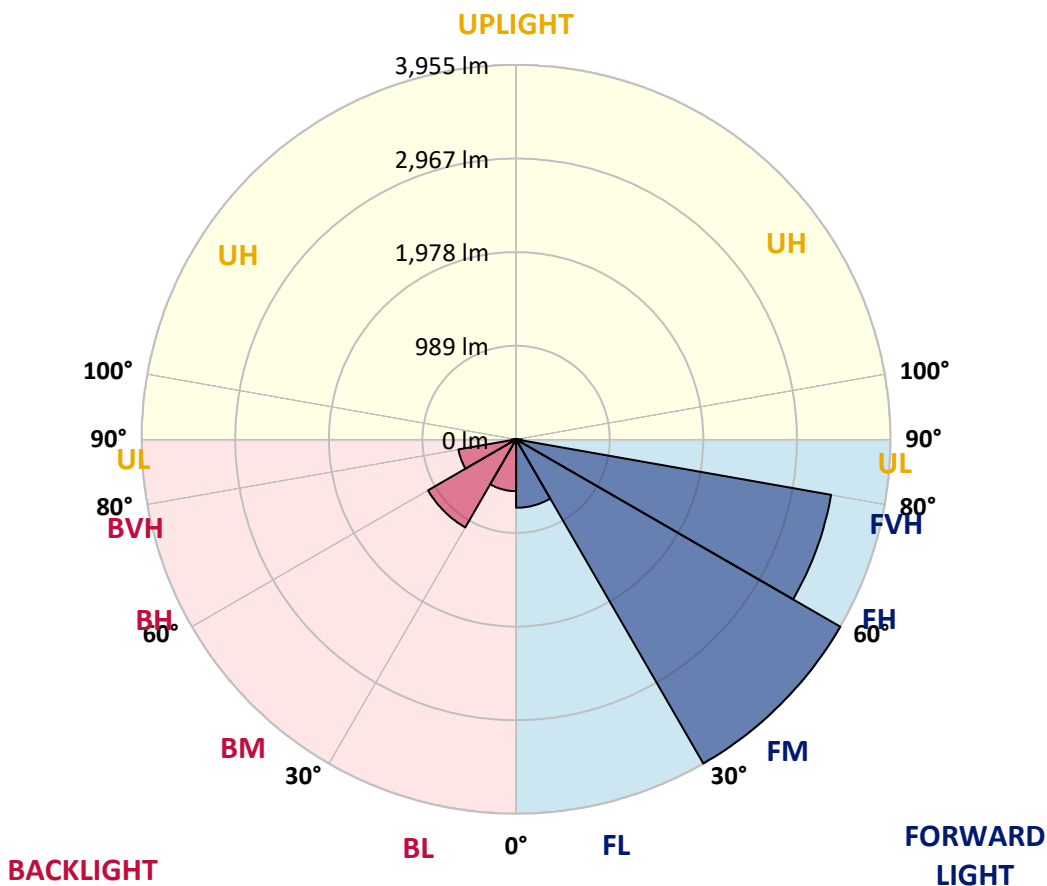
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	723.0	6.9			
FM (30°-60°)	3955.4	38.0			
FH (60°-80°)	3379.8	32.5			G2/5000
FVH (80°-90°)	61.9	0.6			G1/100
BL (0°-30°)	547.3	5.3	B2/1000		
BM (30°-60°)	1074.3	10.3	B2/2500		
BH (60°-80°)	617.7	5.9	B2/1000		G2/1000
BVH (80°-90°)	49.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2
2.5°	1272.0	1270.6	1269.8	1274.3	1272.8	1272.0	1272.0	1271.3	1269.8	1263.8	1255.6
5°	1307.1	1304.1	1301.1	1304.9	1301.9	1298.9	1298.1	1296.7	1291.4	1282.5	1269.8
7.5°	1343.6	1340.6	1341.4	1343.6	1341.4	1339.9	1337.7	1336.2	1328.0	1313.8	1296.7
10°	1395.1	1395.1	1396.6	1398.8	1399.6	1397.3	1392.8	1390.6	1380.9	1363.0	1339.2
12.5°	1469.6	1468.1	1468.1	1466.7	1468.9	1466.7	1462.2	1458.5	1446.5	1423.4	1389.1
15°	1568.1	1562.1	1556.9	1547.2	1544.2	1536.0	1537.5	1535.3	1524.1	1492.8	1449.5
17.5°	1673.2	1672.5	1664.3	1644.9	1625.5	1612.1	1615.0	1614.3	1608.3	1565.8	1510.7
20°	1765.7	1769.4	1761.9	1747.0	1720.9	1695.6	1694.1	1697.8	1690.3	1647.8	1571.0
22.5°	1869.3	1866.3	1858.9	1839.5	1820.1	1793.2	1784.3	1781.3	1778.3	1729.9	1632.9
25°	1967.7	1976.7	1967.0	1949.1	1919.3	1890.2	1882.7	1885.7	1877.5	1813.4	1699.3
27.5°	2092.2	2096.0	2090.0	2065.4	2040.0	1999.0	1984.9	1984.9	1981.9	1891.7	1751.5
30°	2225.0	2235.4	2225.0	2204.8	2178.7	2119.8	2089.3	2086.3	2077.3	1972.2	1812.6
32.5°	2358.4	2365.9	2358.4	2339.0	2309.2	2257.8	2213.8	2207.1	2195.1	2060.2	1875.3
35°	2477.0	2483.7	2482.2	2486.7	2462.1	2397.2	2370.4	2367.4	2336.1	2175.0	1960.3
37.5°	2606.7	2614.9	2603.7	2612.7	2603.0	2541.9	2533.7	2518.7	2474.0	2283.1	2049.7
40°	2754.4	2761.8	2743.9	2747.7	2736.5	2702.2	2660.4	2640.3	2573.9	2400.2	2190.7
42.5°	2912.4	2929.6	2937.8	2931.1	2905.0	2885.6	2812.5	2787.2	2732.0	2611.2	2422.6
45°	3141.3	3166.7	3178.6	3161.5	3150.3	3122.7	3033.2	3002.7	2973.6	2908.7	2746.2
47.5°	3388.2	3411.3	3449.3	3456.8	3465.7	3444.8	3318.8	3289.0	3294.2	3286.7	3144.3
50°	3585.0	3604.4	3690.1	3781.8	3857.9	3863.9	3702.8	3670.7	3699.1	3722.9	3623.8
52.5°	3728.2	3745.3	3858.6	4048.0	4220.3	4347.8	4174.0	4137.5	4160.6	4214.3	4168.8
55°	3844.5	3868.3	3986.9	4277.7	4625.9	4827.2	4716.1	4669.9	4660.2	4726.6	4752.7
57.5°	3905.6	3913.1	4079.4	4457.4	4923.4	5297.7	5346.2	5294.0	5201.5	5238.1	5373.8
60°	3766.2	3778.9	4006.3	4503.6	5158.3	5764.5	6007.6	5964.3	5767.5	5787.6	5937.5
62.5°	3380.7	3398.6	3672.2	4283.7	5177.7	6076.2	6618.2	6590.6	6326.7	6217.8	6262.6
65°	2711.9	2717.8	3001.2	3739.3	4792.2	6114.9	7044.0	7037.3	6717.4	6462.4	6270.8
67.5°	1546.4	1536.0	1914.8	2667.1	3954.8	5610.9	7071.6	7111.1	6844.2	6422.1	5748.8
70°	670.3	671.8	846.3	1316.0	2559.8	4534.9	6568.3	6636.1	6477.3	5751.8	4573.7
72.5°	310.2	314.7	390.0	569.7	1093.1	2813.3	5355.9	5417.0	5280.6	4603.5	3327.8
75°	219.2	222.9	260.2	326.6	502.6	1096.1	3582.8	3711.0	3777.4	3443.3	2192.9
77.5°	166.3	171.5	190.1	226.7	310.2	388.5	1714.2	2019.9	2406.2	2142.2	1129.6
80°	105.9	105.9	126.0	151.4	189.4	202.1	495.1	586.8	1177.4	882.8	443.7
82.5°	71.6	73.8	85.7	96.2	108.9	114.8	212.5	226.7	340.0	300.5	182.7
85°	38.0	39.5	44.7	44.0	52.2	45.5	89.5	88.7	124.5	136.5	69.3
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	9.7	10.4	26.1	41.8	23.1
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°	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2	1254.2
2.5°	1260.1	1251.2	1255.6	1254.2	1258.6	1258.6	1250.4	1248.2	1248.9	1240.0	1237.0
5°	1271.3	1260.9	1263.1	1260.1	1264.6	1268.3	1264.6	1264.6	1269.1	1262.4	1258.6
7.5°	1296.7	1284.7	1284.7	1281.0	1286.2	1289.2	1286.2	1290.7	1298.9	1292.2	1288.5
10°	1336.9	1322.8	1323.5	1319.0	1321.3	1319.8	1307.8	1304.1	1306.3	1300.4	1297.4
12.5°	1389.1	1369.7	1369.7	1360.8	1355.6	1339.9	1315.3	1306.3	1307.8	1302.6	1300.4
15°	1439.1	1421.2	1417.4	1399.6	1375.7	1346.6	1324.2	1318.3	1319.8	1314.5	1310.8
17.5°	1498.0	1474.9	1461.4	1428.6	1384.6	1354.8	1332.4	1318.3	1306.3	1294.4	1291.4
20°	1552.4	1523.3	1498.7	1448.0	1394.3	1353.3	1311.6	1276.5	1247.4	1231.8	1228.1
22.5°	1608.3	1571.0	1527.8	1461.4	1393.6	1326.5	1249.7	1196.7	1153.5	1130.4	1134.9
25°	1661.3	1614.3	1555.4	1474.1	1369.7	1266.8	1162.4	1083.4	1034.2	1016.3	1011.1
27.5°	1705.3	1647.1	1580.7	1468.1	1320.5	1181.1	1043.1	955.2	907.4	887.3	882.1
30°	1754.5	1688.9	1617.3	1440.6	1243.0	1061.0	908.2	836.6	802.3	782.9	783.7
32.5°	1811.1	1742.5	1668.7	1387.6	1143.8	931.3	797.1	747.9	720.3	700.9	697.9
35°	1887.2	1819.3	1703.0	1307.8	1017.8	812.0	721.0	680.8	646.5	621.1	615.9
37.5°	1981.1	1934.9	1706.8	1201.2	882.8	730.0	666.6	623.3	581.6	548.0	544.3
40°	2142.2	2089.3	1676.2	1067.7	768.0	677.0	621.1	571.2	522.7	485.4	480.2
42.5°	2371.9	2263.0	1610.6	917.1	681.5	635.3	577.9	514.5	465.3	439.2	435.4
45°	2664.1	2456.9	1512.1	775.5	617.4	594.3	532.4	466.0	439.9	421.3	417.6
47.5°	3022.0	2682.8	1398.8	665.1	567.4	557.0	486.2	449.6	426.5	410.8	407.1
50°	3450.0	2970.6	1305.6	578.6	522.7	513.7	471.2	439.9	421.3	408.6	405.6
52.5°	3938.4	3290.5	1260.1	516.7	483.9	475.0	466.0	437.7	422.0	412.3	408.6
55°	4445.5	3627.5	1217.6	469.0	451.1	456.3	466.8	445.1	433.2	420.5	416.8
57.5°	4935.3	3943.6	1113.2	431.7	427.2	447.4	470.5	452.6	438.4	425.8	421.3
60°	5273.1	4116.6	936.5	401.9	409.4	436.2	460.8	441.4	423.5	418.3	416.1
62.5°	5364.1	4095.8	727.0	371.3	387.7	411.6	435.4	422.8	404.1	412.3	413.1
65°	5151.6	3872.1	545.8	341.5	359.4	379.5	409.4	404.1	397.4	419.8	420.5
67.5°	4549.8	3322.5	416.1	315.4	330.3	354.9	401.2	422.8	424.3	452.6	449.6
70°	3442.6	2482.2	325.8	290.8	307.9	354.9	427.2	436.9	419.0	445.1	439.2
72.5°	2380.1	1638.2	277.4	269.2	280.4	338.5	426.5	426.5	407.1	407.1	395.9
75°	1478.6	963.4	241.6	241.6	241.6	296.0	414.6	392.9	358.6	343.0	334.0
77.5°	730.0	468.3	202.8	210.3	202.1	247.5	338.5	321.4	300.5	284.1	278.1
80°	311.7	234.1	164.0	172.2	162.5	186.4	268.4	264.7	244.6	222.9	216.2
82.5°	143.2	120.8	131.2	135.0	118.6	140.2	196.1	196.1	184.9	155.1	143.9
85°	61.1	64.1	91.0	91.0	74.6	79.0	105.1	99.9	89.5	73.1	67.1
87.5°	20.9	31.3	46.2	40.3	15.7	6.7	3.7	1.5	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)