

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: P632455

Luminaire Tested: GWS-SA2C-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9019.3 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

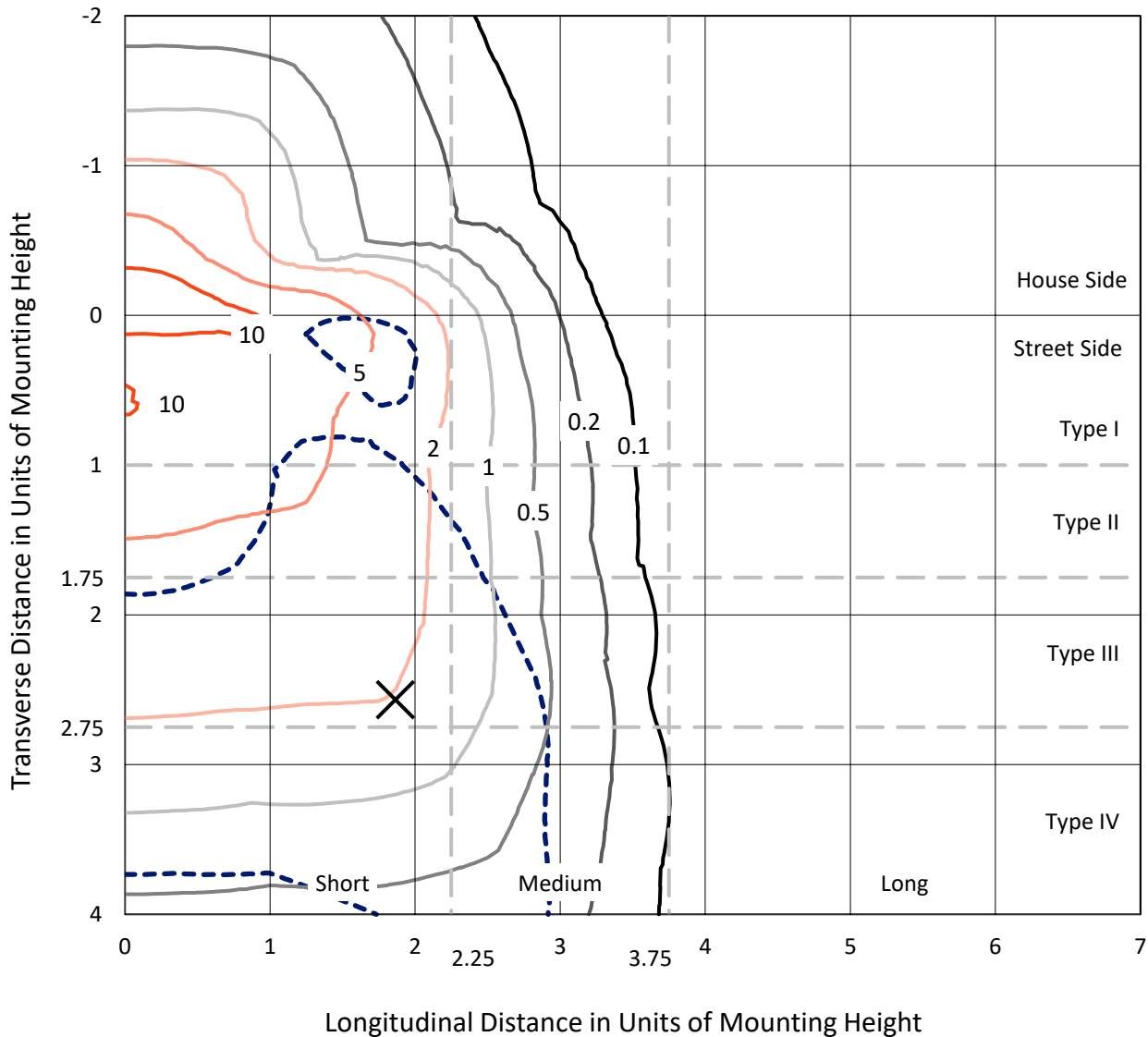
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

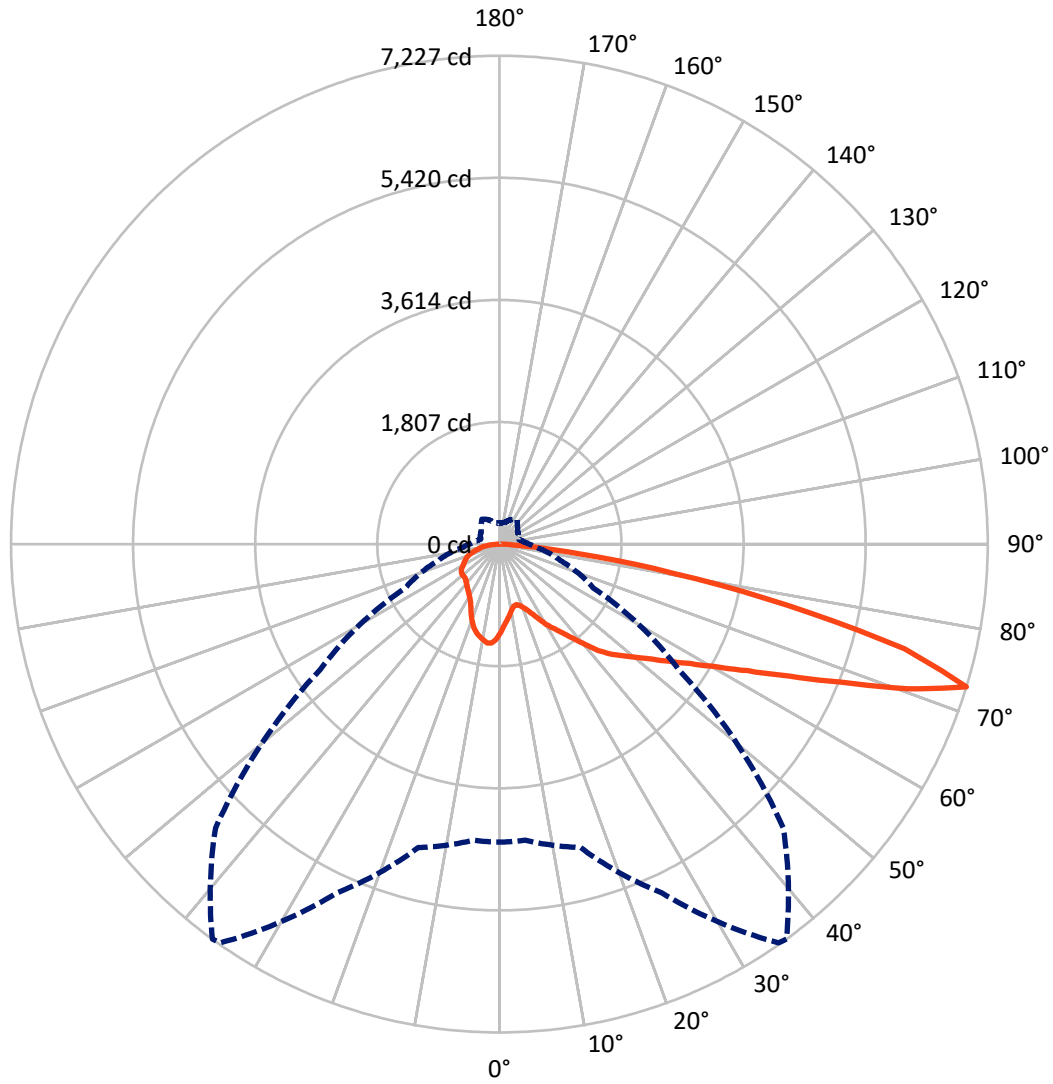
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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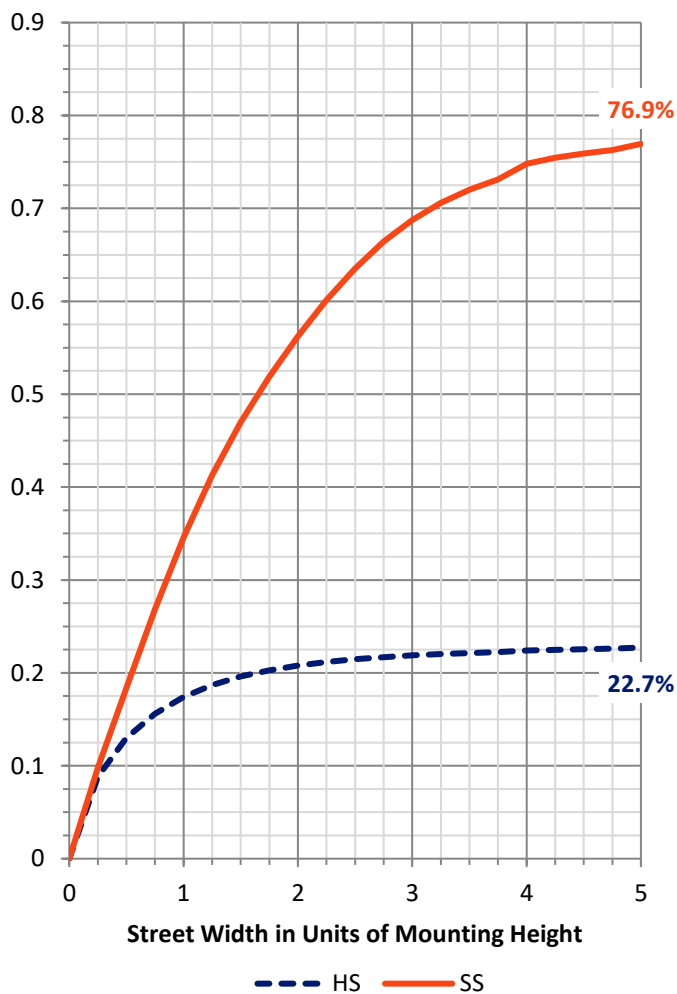
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2079.3	0.0	2079.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6940.0	0.0	6940.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	9019.3	0.0	9019.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	1.4
10°-20°	348.1	3.9
20°-30°	576.5	6.4
30°-40°	863.4	9.6
40°-50°	1259.6	14.0
50°-60°	1792.8	19.9
60°-70°	2265.1	25.1
70°-80°	1614.1	17.9
80°-90°	176.2	2.0
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°	9019.3	100.0
0°-180°	9019.3	100.0

Coefficient of Utilization



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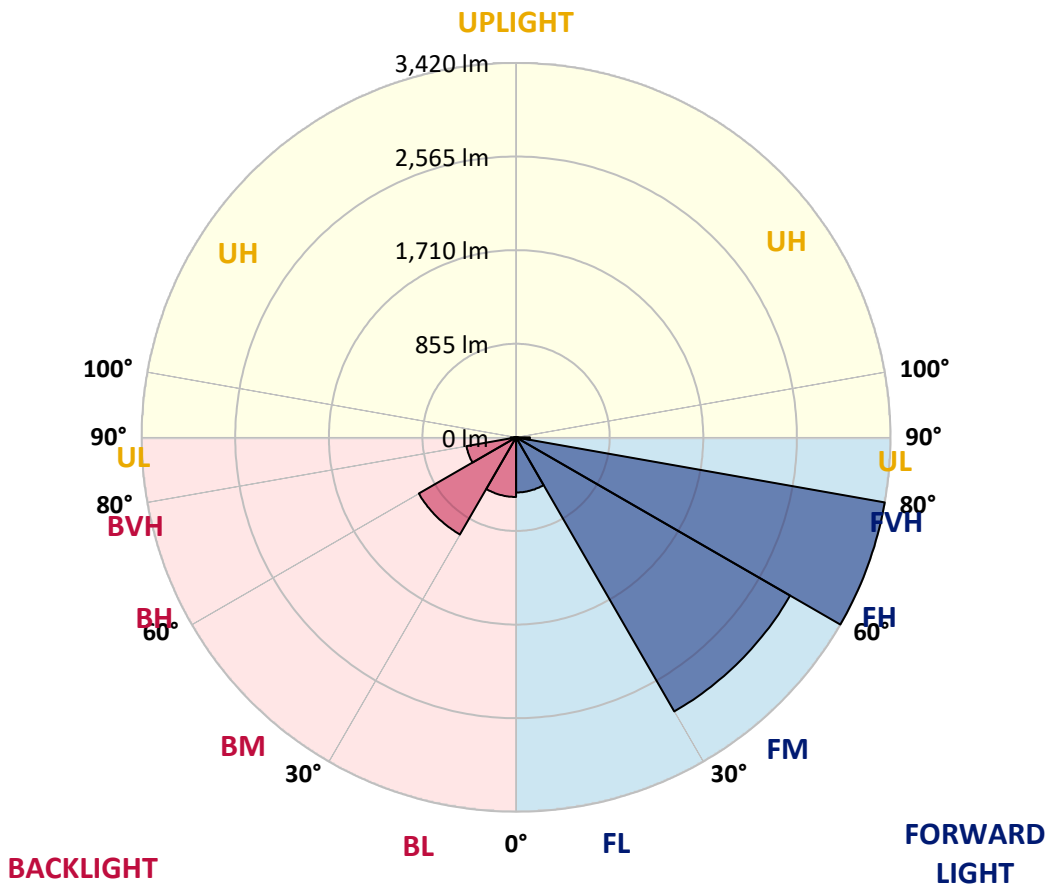
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.5	5.6			
FM (30°-60°)	2890.5	32.0			
FH (60°-80°)	3419.5	37.9			G2/5000
FVH (80°-90°)	126.5	1.4			G2/225
BL (0°-30°)	544.5	6.0	B2/1000		
BM (30°-60°)	1025.4	11.4	B2/2500		
BH (60°-80°)	459.7	5.1	B1/500		G1/500
BVH (80°-90°)	49.7	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1204.2	1202.2	1198.2	1210.2	1222.3	1220.9	1237.7	1253.7	1271.2	1289.2	1313.3
5°	1107.8	1106.5	1103.1	1121.2	1139.3	1138.6	1166.1	1192.2	1227.6	1266.5	1314.7
7.5°	1011.4	1008.1	1012.8	1035.5	1061.0	1063.6	1101.1	1144.0	1195.5	1253.7	1322.0
10°	926.4	925.8	927.8	953.2	991.3	994.0	1042.2	1101.8	1170.1	1247.7	1338.8
12.5°	904.3	903.0	897.6	910.4	939.1	943.2	996.0	1069.0	1152.7	1251.1	1361.5
15°	940.5	937.1	918.4	912.4	926.4	929.8	974.6	1049.6	1142.6	1257.1	1390.3
17.5°	1002.7	1000.7	965.2	940.5	949.8	952.5	986.0	1046.2	1140.0	1269.1	1425.8
20°	1093.8	1085.1	1029.5	992.0	992.0	996.0	1016.1	1061.0	1143.3	1283.9	1465.9
22.5°	1214.3	1196.8	1118.5	1067.7	1054.3	1059.6	1068.3	1097.8	1157.4	1308.6	1516.1
25°	1349.5	1333.4	1240.4	1168.7	1150.0	1152.0	1144.6	1150.0	1188.1	1342.8	1578.4
27.5°	1493.4	1482.7	1383.6	1292.6	1263.1	1263.1	1237.0	1224.3	1231.0	1381.6	1648.0
30°	1621.9	1607.2	1523.5	1423.8	1384.9	1384.9	1335.4	1308.0	1291.9	1429.1	1741.1
32.5°	1689.5	1680.8	1625.3	1548.9	1501.4	1494.1	1451.2	1419.1	1381.6	1499.4	1866.9
35°	1777.9	1775.9	1742.4	1682.8	1622.6	1611.9	1582.4	1557.0	1492.0	1587.1	2034.2
37.5°	1889.0	1885.6	1880.3	1844.8	1772.5	1770.5	1744.4	1713.6	1629.3	1713.6	2237.1
40°	2013.5	2007.5	2000.8	2000.1	1956.6	1949.2	1947.2	1912.4	1794.6	1866.2	2448.6
42.5°	2184.9	2164.1	2101.2	2129.3	2161.4	2154.7	2180.2	2128.0	2000.8	2047.6	2648.7
45°	2395.7	2344.8	2220.3	2228.4	2309.4	2322.7	2411.1	2398.4	2227.7	2257.1	2859.6
47.5°	2522.2	2478.0	2362.2	2355.5	2456.6	2473.4	2665.5	2689.6	2472.0	2509.5	3120.0
50°	2626.0	2595.2	2500.1	2509.5	2616.6	2633.3	2917.8	2969.4	2702.3	2767.9	3422.5
52.5°	2751.1	2707.0	2633.3	2677.5	2808.7	2828.8	3198.3	3253.9	2909.8	3051.7	3735.8
55°	2821.4	2803.4	2804.7	2872.3	3037.0	3064.4	3492.1	3482.8	3099.9	3294.7	3971.4
57.5°	2983.4	2976.7	3038.3	3063.7	3303.4	3338.9	3786.0	3705.7	3272.6	3482.8	4084.5
60°	3269.2	3252.5	3306.1	3344.9	3632.7	3682.9	4114.0	3923.9	3389.7	3622.7	4046.4
62.5°	3670.9	3650.1	3652.1	3713.7	4073.8	4126.7	4478.8	4106.0	3425.9	3644.1	3804.7
65°	4170.2	4140.1	4106.0	4189.6	4659.5	4703.7	4875.8	4238.5	3339.5	3437.9	3300.0
67.5°	4697.0	4672.3	4632.1	4807.5	5418.0	5444.7	5320.9	4227.1	3065.8	2886.4	2314.7
70°	4727.8	4733.8	4924.0	5558.5	6408.0	6414.7	5741.9	3998.2	2482.7	1870.9	1153.3
72.5°	4410.5	4400.5	4648.2	5695.7	7204.5	7227.3	5940.7	3239.1	1534.2	933.1	540.9
75°	3582.5	3599.9	3860.3	4983.5	6175.0	6195.1	4843.0	1909.7	729.0	456.5	346.1
77.5°	1542.2	1639.3	2152.7	3510.9	4422.6	4360.3	2496.1	773.8	388.9	325.3	265.1
80°	445.1	483.3	767.1	1669.4	2650.1	2603.2	988.0	289.8	271.1	244.3	190.1
82.5°	143.9	159.3	281.1	664.7	1187.5	1186.1	374.9	171.4	177.4	166.0	122.5
85°	40.2	46.2	86.3	201.5	367.5	360.1	108.4	81.0	94.4	95.7	60.9
87.5°	0.0	0.0	0.7	1.3	1.3	1.3	2.7	12.0	27.4	34.8	24.8
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°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1328.0	1326.0	1353.5	1374.9	1395.0	1408.4	1412.4	1415.1	1420.4	1423.1	1420.4
5°	1337.4	1347.5	1393.0	1426.4	1453.2	1469.3	1470.0	1468.6	1472.6	1469.3	1467.3
7.5°	1357.5	1376.9	1434.5	1470.0	1487.4	1488.0	1472.0	1453.2	1443.9	1435.8	1433.1
10°	1384.3	1413.1	1476.0	1499.4	1494.1	1469.3	1433.8	1404.4	1387.6	1375.6	1372.9
12.5°	1421.1	1453.2	1512.8	1512.1	1478.7	1434.5	1393.0	1357.5	1333.4	1319.3	1314.7
15°	1455.9	1496.7	1539.6	1508.1	1455.2	1401.7	1348.1	1300.6	1268.5	1246.4	1242.4
17.5°	1498.7	1542.2	1559.0	1495.4	1425.8	1356.8	1285.2	1223.0	1179.4	1153.3	1151.3
20°	1548.3	1587.1	1568.4	1473.3	1387.6	1297.3	1200.2	1130.6	1083.7	1058.3	1060.3
22.5°	1605.8	1634.0	1571.0	1443.2	1334.7	1212.9	1104.5	1037.5	1006.1	992.7	993.4
25°	1667.4	1685.5	1566.3	1402.3	1253.7	1109.8	1006.1	975.3	972.6	969.3	970.6
27.5°	1740.4	1736.4	1552.3	1344.8	1144.6	990.0	937.1	945.2	955.9	954.5	955.9
30°	1838.1	1800.0	1534.2	1265.1	1014.8	889.6	896.3	919.1	933.1	934.5	938.5
32.5°	1949.9	1870.2	1505.4	1156.7	890.9	833.4	858.1	885.6	902.3	905.7	911.0
35°	2083.1	1950.6	1454.6	1021.5	801.9	799.9	822.7	841.4	859.5	860.8	860.8
37.5°	2236.4	2030.9	1373.6	872.2	747.0	771.1	792.5	796.6	801.2	797.2	799.2
40°	2377.0	2108.5	1258.4	736.3	702.2	745.7	763.8	750.4	735.6	725.6	727.6
42.5°	2494.8	2161.4	1105.8	641.3	656.7	722.9	737.0	709.5	680.8	662.0	664.7
45°	2627.3	2210.3	926.4	577.0	617.8	706.9	716.2	680.8	643.9	615.8	611.8
47.5°	2810.1	2310.0	767.1	532.2	590.4	698.2	713.6	665.4	617.2	575.0	570.3
50°	3035.6	2451.3	633.9	502.7	577.7	693.5	712.9	648.6	591.1	541.5	538.2
52.5°	3282.0	2589.2	535.5	479.9	565.0	679.4	709.5	629.9	563.6	510.1	506.1
55°	3446.0	2643.4	469.2	458.5	544.2	657.3	696.2	611.8	522.1	473.3	467.2
57.5°	3494.2	2573.8	423.0	439.1	517.4	626.5	670.7	573.7	496.7	457.9	453.2
60°	3411.2	2398.4	394.3	423.0	488.0	587.0	626.5	551.6	476.6	441.8	438.4
62.5°	3176.9	2128.0	372.2	406.3	457.9	545.5	598.4	524.8	454.5	427.1	422.4
65°	2705.6	1745.1	354.1	388.9	429.1	506.1	567.6	498.0	430.4	409.7	404.3
67.5°	1892.3	1225.6	334.7	368.2	400.3	467.9	535.5	473.3	405.6	390.2	384.9
70°	925.1	650.0	311.3	344.1	369.5	429.1	503.4	443.1	372.8	364.1	356.8
72.5°	440.5	363.5	283.8	311.3	327.3	377.5	449.8	399.6	334.0	315.3	302.6
75°	295.2	258.4	247.7	272.4	276.5	316.6	385.6	344.7	294.5	273.1	262.4
77.5°	223.6	197.5	208.2	230.3	222.2	260.4	317.3	307.2	265.7	246.3	241.0
80°	157.3	143.9	165.3	178.7	172.7	221.6	285.8	263.1	218.9	197.5	193.5
82.5°	99.1	96.4	121.8	123.8	125.8	175.4	235.0	206.8	170.0	139.9	129.9
85°	49.5	54.9	73.0	73.0	72.3	90.4	133.9	116.5	91.7	73.0	71.0
87.5°	16.7	23.4	31.5	25.4	19.4	15.4	17.4	21.4	22.8	22.1	22.1
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)