

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: P633060

Luminaire Tested: GWS-SA2D-830-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633060
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-SA2D-830-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8959.2 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

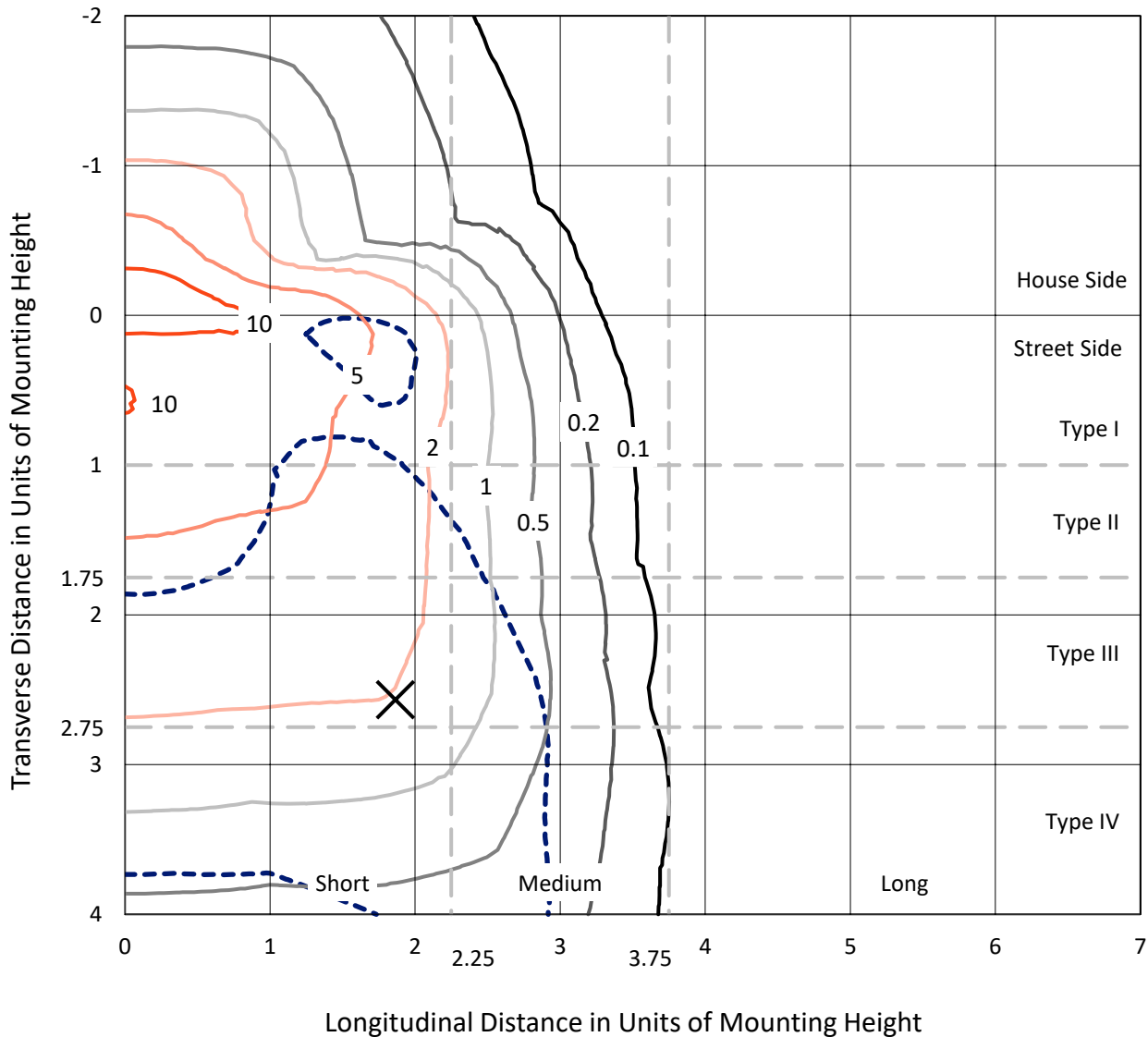
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633060
 CATALOG NUMBER: GWS-SA2D-830-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

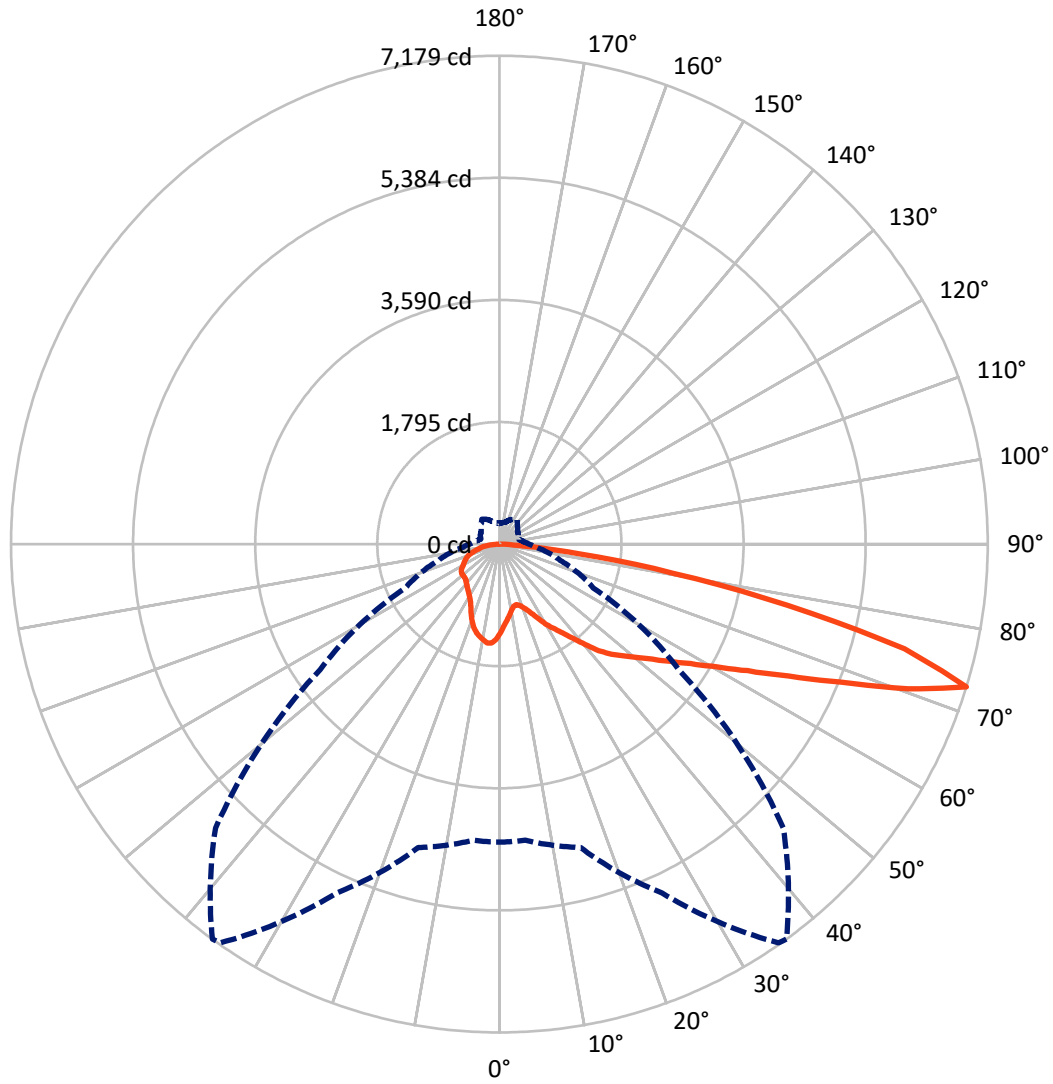
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type IV - Short - N/A

REPORT NUMBER: P633060
CATALOG NUMBER: GWS-SA2D-830-U-T4FT-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633060

CATALOG NUMBER: GWS-SA2D-830-U-T4FT-W

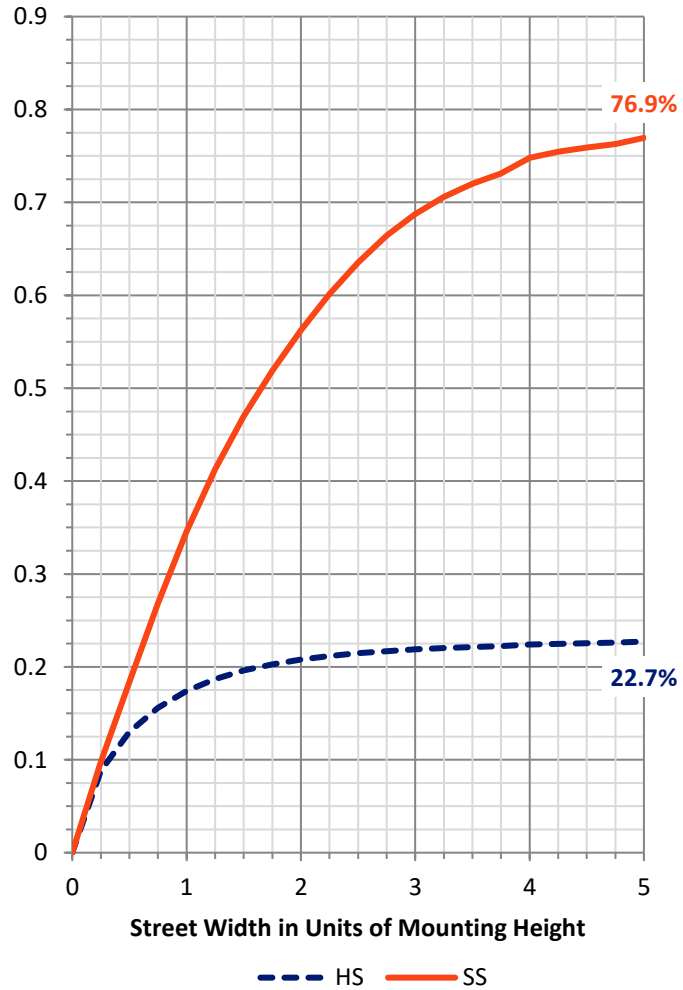
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2065.5	0.0	2065.5
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6893.7	0.0	6893.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	8959.2	0.0	8959.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	1.4
10°-20°	345.8	3.9
20°-30°	572.7	6.4
30°-40°	857.7	9.6
40°-50°	1251.2	14.0
50°-60°	1780.9	19.9
60°-70°	2250.0	25.1
70°-80°	1603.3	17.9
80°-90°	175.0	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°	8959.2	100.0
0°-180°	8959.2	100.0

Coefficient of Utilization



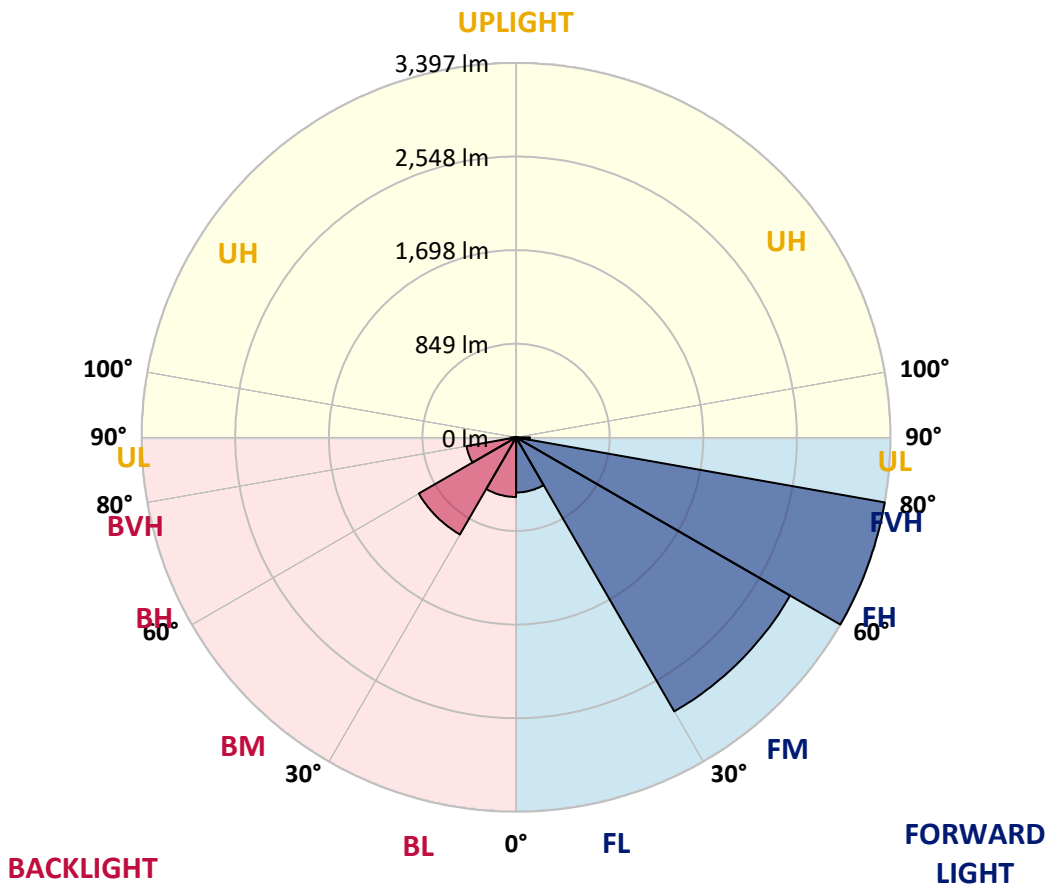
REPORT NUMBER: P633060

CATALOG NUMBER: GWS-SA2D-830-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	500.2	5.6			
FM (30°-60°)	2871.2	32.0			
FH (60°-80°)	3396.7	37.9			G2/5000
FVH (80°-90°)	125.6	1.4			G2/225
BL (0°-30°)	540.9	6.0	B2/1000		
BM (30°-60°)	1018.6	11.4	B2/2500		
BH (60°-80°)	456.6	5.1	B1/500		G1/500
BVH (80°-90°)	49.4	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





REPORT NUMBER: P633060

CATALOG NUMBER: GWS-SA2D-830-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2
2.5°	1196.2	1194.2	1190.2	1202.2	1214.1	1212.8	1229.4	1245.4	1262.7	1280.6	1304.6
5°	1100.4	1099.1	1095.8	1113.7	1131.7	1131.0	1158.3	1184.2	1219.5	1258.0	1305.9
7.5°	1004.7	1001.4	1006.0	1028.6	1053.9	1056.6	1093.8	1136.3	1187.5	1245.4	1313.2
10°	920.2	919.6	921.6	946.8	984.7	987.4	1035.3	1094.5	1162.3	1239.4	1329.8
12.5°	898.3	897.0	891.7	904.3	932.9	936.9	989.4	1061.9	1145.0	1242.7	1352.4
15°	934.2	930.9	912.3	906.3	920.2	923.6	968.1	1042.6	1135.0	1248.7	1381.0
17.5°	996.0	994.1	958.8	934.2	943.5	946.2	979.4	1039.3	1132.4	1260.7	1416.3
20°	1086.5	1077.8	1022.6	985.4	985.4	989.4	1009.3	1053.9	1135.7	1275.3	1456.2
22.5°	1206.2	1188.9	1111.1	1060.5	1047.2	1052.6	1061.2	1090.5	1149.6	1299.9	1506.0
25°	1340.5	1324.5	1232.1	1160.9	1142.3	1144.3	1137.0	1142.3	1180.2	1333.8	1567.9
27.5°	1483.4	1472.8	1374.4	1284.0	1254.7	1254.7	1228.8	1216.1	1222.8	1372.4	1637.0
30°	1611.1	1596.5	1513.4	1414.3	1375.7	1375.7	1326.5	1299.3	1283.3	1419.6	1729.5
32.5°	1678.3	1669.6	1614.4	1538.6	1491.4	1484.1	1441.5	1409.6	1372.4	1489.4	1854.5
35°	1766.0	1764.0	1730.8	1671.6	1611.8	1601.1	1571.9	1546.6	1482.1	1576.5	2020.7
37.5°	1876.4	1873.1	1867.8	1832.5	1760.7	1758.7	1732.8	1702.2	1618.4	1702.2	2222.2
40°	2000.1	1994.1	1987.4	1986.8	1943.6	1936.2	1934.2	1899.7	1782.6	1853.8	2432.3
42.5°	2170.3	2149.7	2087.2	2115.1	2147.0	2140.4	2165.6	2113.8	1987.4	2034.0	2631.1
45°	2379.7	2329.2	2205.5	2213.5	2294.0	2307.3	2395.0	2382.4	2212.8	2242.1	2840.5
47.5°	2505.4	2461.5	2346.5	2339.8	2440.3	2456.9	2647.7	2671.6	2455.5	2492.8	3099.2
50°	2608.5	2577.9	2483.5	2492.8	2599.2	2615.8	2898.4	2949.6	2684.3	2749.4	3399.7
52.5°	2732.8	2688.9	2615.8	2659.7	2790.0	2809.9	3177.0	3232.2	2890.4	3031.4	3710.9
55°	2802.6	2784.7	2786.0	2853.2	3016.7	3044.0	3468.9	3459.6	3079.2	3272.7	3945.0
57.5°	2963.5	2956.9	3018.1	3043.3	3281.4	3316.6	3760.8	3681.0	3250.8	3459.6	4057.3
60°	3247.5	3230.8	3284.0	3322.6	3608.5	3658.4	4086.6	3897.8	3367.1	3598.5	4019.4
62.5°	3646.4	3625.8	3627.8	3689.0	4046.7	4099.2	4449.0	4078.6	3403.1	3619.8	3779.4
65°	4142.4	4112.5	4078.6	4161.7	4628.5	4672.4	4843.3	4210.3	3317.3	3415.0	3278.0
67.5°	4665.7	4641.1	4601.2	4775.4	5381.8	5408.4	5285.4	4199.0	3045.3	2867.1	2299.3
70°	4696.3	4702.3	4891.1	5521.5	6365.3	6371.9	5703.7	3971.6	2466.2	1858.4	1145.7
72.5°	4381.1	4371.2	4617.2	5657.8	7156.5	7179.1	5901.2	3217.5	1524.0	926.9	537.3
75°	3558.6	3575.9	3834.6	4950.3	6133.9	6153.8	4810.7	1897.0	724.1	453.5	343.8
77.5°	1532.0	1628.4	2138.4	3487.5	4393.1	4331.3	2479.5	768.6	386.3	323.2	263.3
80°	442.2	480.1	762.0	1658.3	2632.4	2585.9	981.4	287.9	269.3	242.7	188.8
82.5°	143.0	158.3	279.3	660.3	1179.6	1178.2	372.4	170.2	176.2	164.9	121.7
85°	39.9	45.9	85.8	200.1	365.0	357.7	107.7	80.5	93.8	95.1	60.5
87.5°	0.0	0.0	0.7	1.3	1.3	1.3	2.7	12.0	27.3	34.6	24.6
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: P633060
 CATALOG NUMBER: GWS-SA2D-830-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2
2.5°	1319.2	1317.2	1344.5	1365.7	1385.7	1399.0	1403.0	1405.6	1411.0	1413.6	1411.0
5°	1328.5	1338.5	1383.7	1416.9	1443.5	1459.5	1460.2	1458.8	1462.8	1459.5	1457.5
7.5°	1348.5	1367.7	1424.9	1460.2	1477.4	1478.1	1462.2	1443.5	1434.2	1426.2	1423.6
10°	1375.1	1403.6	1466.1	1489.4	1484.1	1459.5	1424.3	1395.0	1378.4	1366.4	1363.7
12.5°	1411.6	1443.5	1502.7	1502.1	1468.8	1424.9	1383.7	1348.5	1324.5	1310.6	1305.9
15°	1446.2	1486.8	1529.3	1498.1	1445.5	1392.3	1339.1	1291.9	1260.0	1238.1	1234.1
17.5°	1488.8	1532.0	1548.6	1485.4	1416.3	1347.8	1276.6	1214.8	1171.6	1145.7	1143.7
20°	1538.0	1576.5	1557.9	1463.5	1378.4	1288.6	1192.2	1123.0	1076.5	1051.2	1053.2
22.5°	1595.1	1623.1	1560.6	1433.6	1325.8	1204.8	1097.1	1030.6	999.4	986.1	986.7
25°	1656.3	1674.3	1555.9	1393.0	1245.4	1102.4	999.4	968.8	966.1	962.8	964.1
27.5°	1728.8	1724.8	1541.9	1335.8	1137.0	983.4	930.9	938.9	949.5	948.2	949.5
30°	1825.9	1788.0	1524.0	1256.7	1008.0	883.7	890.3	912.9	926.9	928.2	932.2
32.5°	1936.9	1857.8	1495.4	1149.0	885.0	827.8	852.4	879.7	896.3	899.6	905.0
35°	2069.2	1937.6	1444.9	1014.7	796.6	794.6	817.2	835.8	853.8	855.1	855.1
37.5°	2221.5	2017.4	1364.4	866.4	742.0	766.0	787.3	791.3	795.9	791.9	793.9
40°	2361.1	2094.5	1250.0	731.4	697.5	740.7	758.7	745.4	730.7	720.8	722.8
42.5°	2478.2	2147.0	1098.4	637.0	652.3	718.1	732.1	704.8	676.2	657.6	660.3
45°	2609.8	2195.6	920.2	573.2	613.7	702.2	711.5	676.2	639.7	611.7	607.7
47.5°	2791.3	2294.6	762.0	528.6	586.5	693.5	708.8	660.9	613.1	571.2	566.5
50°	3015.4	2434.9	629.7	499.4	573.8	688.9	708.1	644.3	587.1	537.9	534.6
52.5°	3260.1	2571.9	531.9	476.7	561.2	674.9	704.8	625.7	559.9	506.7	502.7
55°	3423.0	2625.8	466.1	455.5	540.6	652.9	691.5	607.7	518.6	470.1	464.1
57.5°	3470.9	2556.6	420.2	436.2	514.0	622.4	666.2	569.8	493.4	454.8	450.1
60°	3388.4	2382.4	391.6	420.2	484.7	583.1	622.4	547.9	473.4	438.8	435.5
62.5°	3155.7	2113.8	369.7	403.6	454.8	541.9	594.4	521.3	451.5	424.2	419.6
65°	2687.6	1733.4	351.7	386.3	426.2	502.7	563.9	494.7	427.5	406.9	401.6
67.5°	1879.7	1217.5	332.5	365.7	397.6	464.8	531.9	470.1	402.9	387.6	382.3
70°	918.9	645.6	309.2	341.8	367.0	426.2	500.0	440.2	370.4	361.7	354.4
72.5°	437.5	361.1	281.9	309.2	325.1	375.0	446.8	397.0	331.8	313.2	300.5
75°	293.2	256.7	246.0	270.6	274.6	314.5	383.0	342.4	292.6	271.3	260.6
77.5°	222.1	196.2	206.8	228.7	220.8	258.7	315.2	305.2	264.0	244.7	239.4
80°	156.3	143.0	164.2	177.5	171.5	220.1	283.9	261.3	217.4	196.2	192.2
82.5°	98.4	95.7	121.0	123.0	125.0	174.2	233.4	205.5	168.9	139.0	129.0
85°	49.2	54.5	72.5	72.5	71.8	89.8	133.0	115.7	91.1	72.5	70.5
87.5°	16.6	23.3	31.3	25.3	19.3	15.3	17.3	21.3	22.6	21.9	21.9
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)