

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: P631131

Luminaire Tested: GWS-SA1F-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5440.8 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

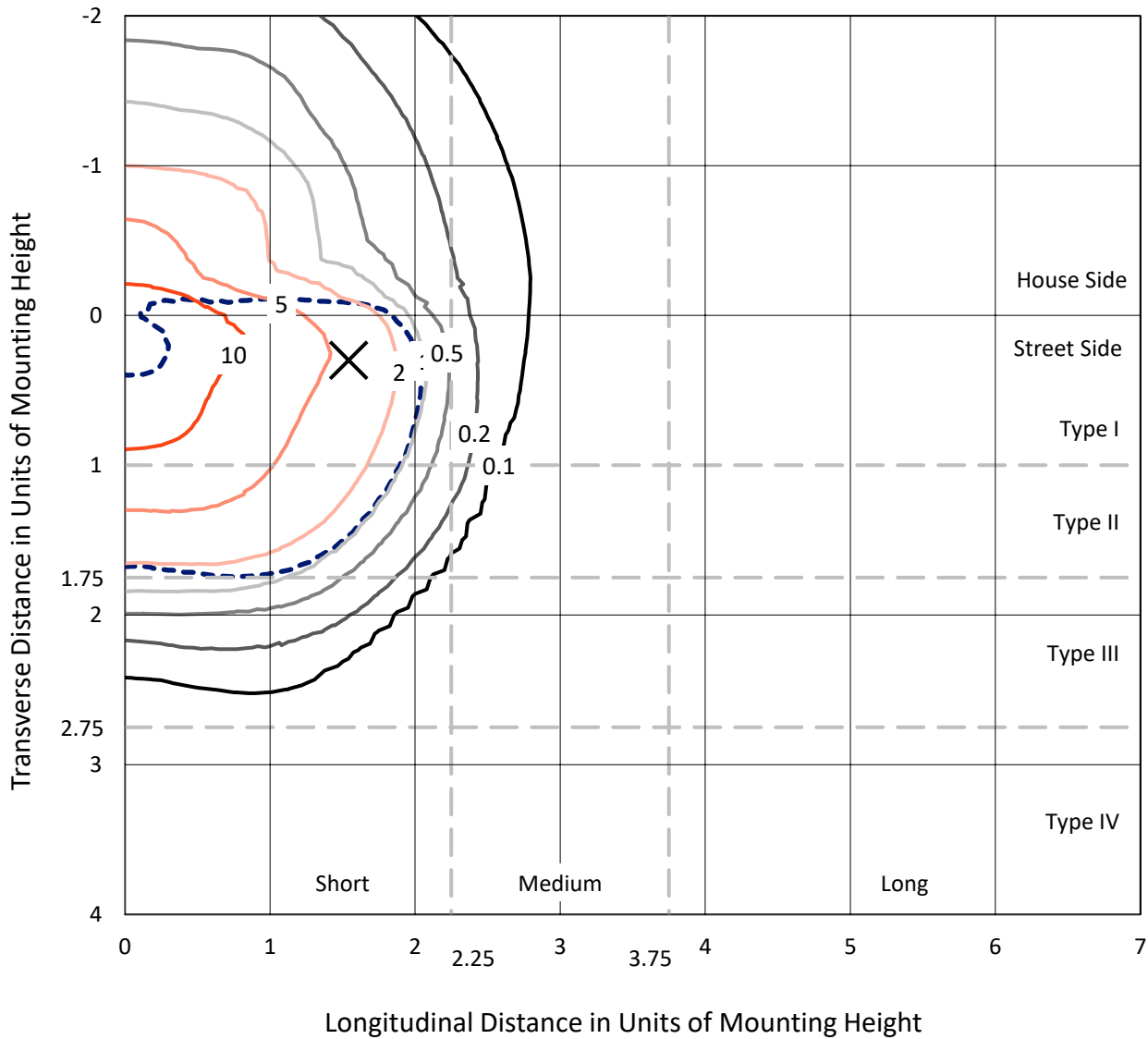
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

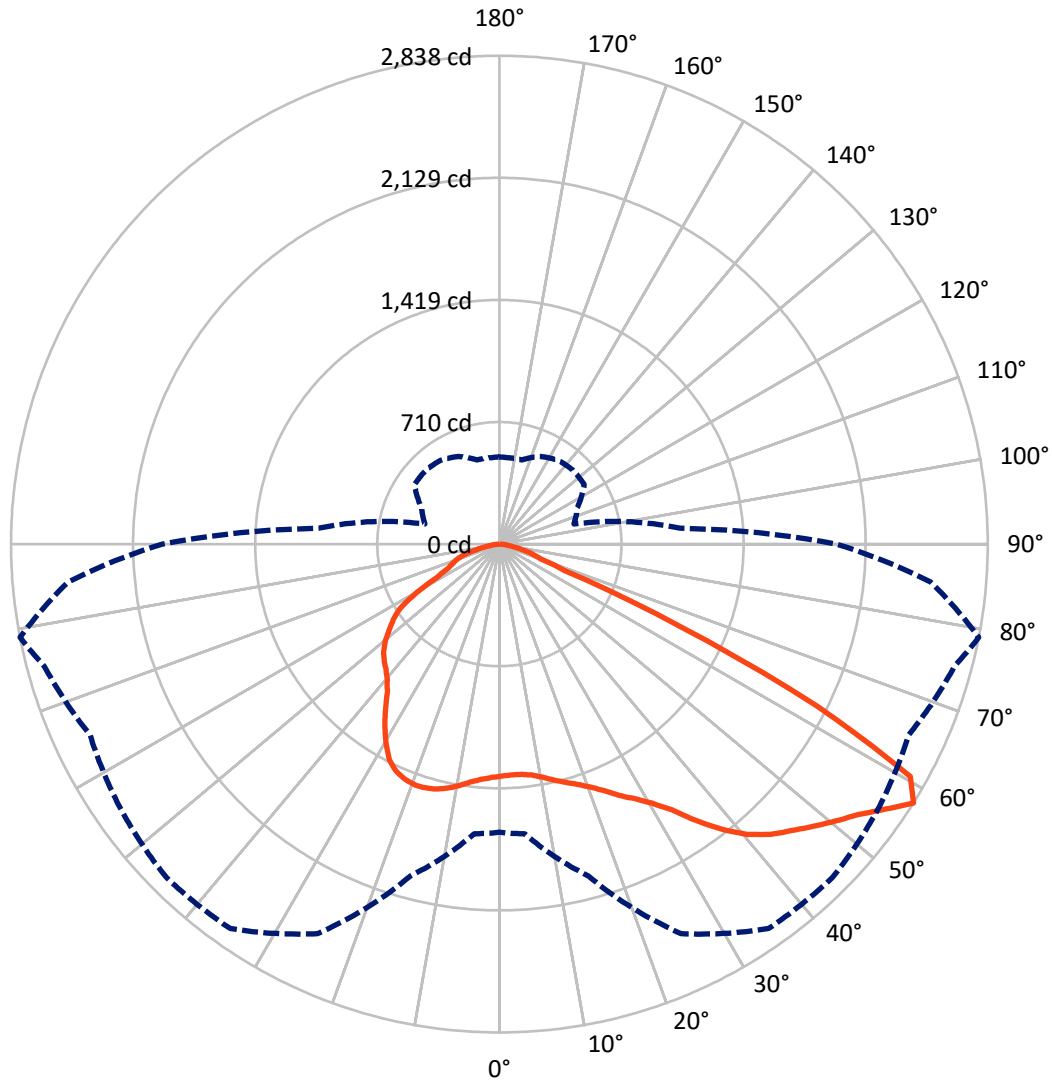
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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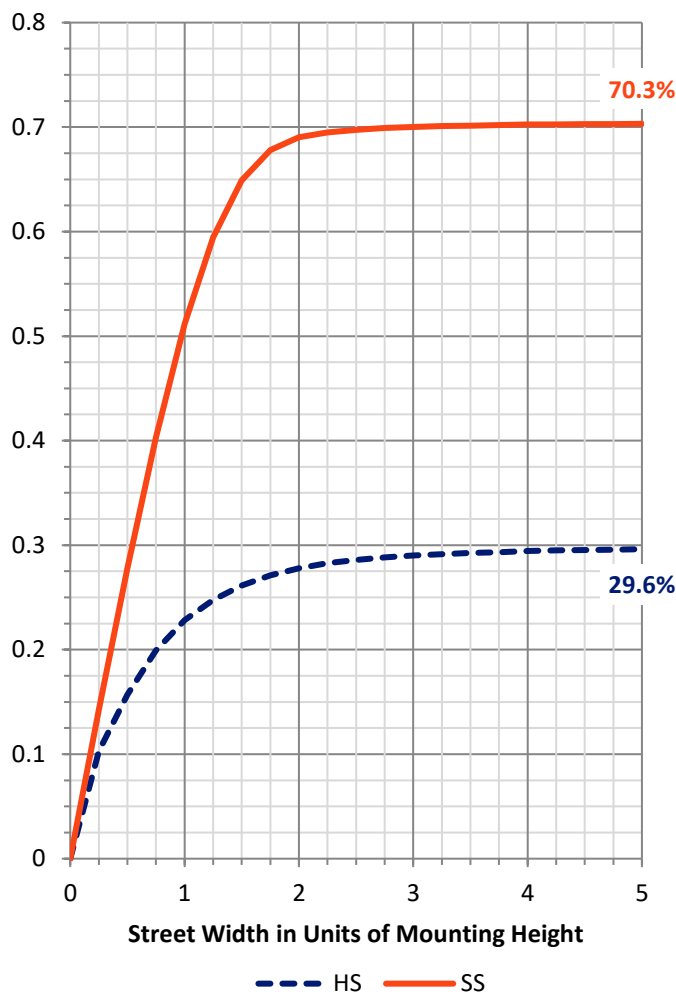
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1617.3	0.0	1617.3
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	3823.5	0.0	3823.5
	% Fixture	70.3	0.0	70.3
Total	Lumens	5440.8	0.0	5440.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	2.3
10°-20°	347.0	6.4
20°-30°	588.2	10.8
30°-40°	900.3	16.5
40°-50°	1200.5	22.1
50°-60°	1386.5	25.5
60°-70°	720.5	13.2
70°-80°	153.2	2.8
80°-90°	19.8	0.4
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°	5440.8	100.0
0°-180°	5440.8	100.0

Coefficient of Utilization



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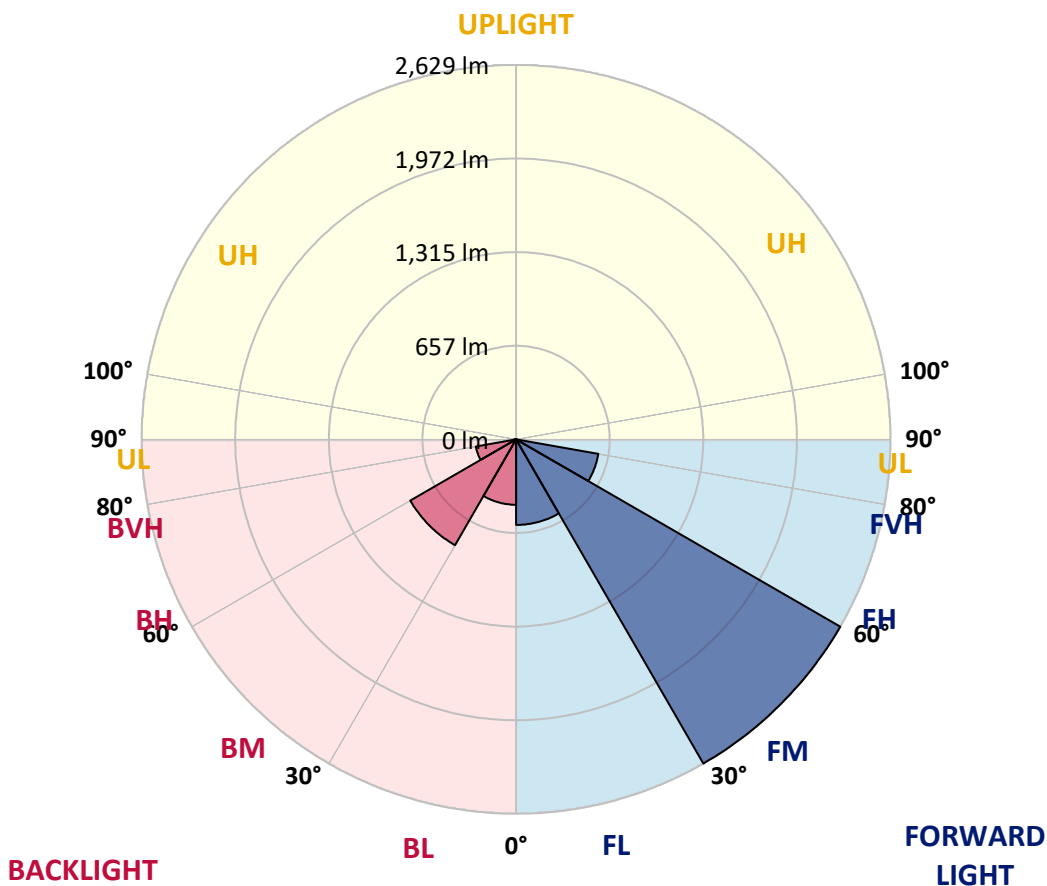
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	600.8	11.0			
FM (30°-60°)	2629.1	48.3			
FH (60°-80°)	586.7	10.8			G0/660
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	459.3	8.4	B1/500		
BM (30°-60°)	858.1	15.8	B1/1000		
BH (60°-80°)	287.0	5.3	B1/500		G1/500
BVH (80°-90°)	12.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4
2.5°	1287.0	1284.3	1285.2	1288.7	1302.1	1311.9	1322.1	1331.5	1340.3	1343.0	1345.2
5°	1241.1	1236.3	1237.6	1243.4	1258.9	1275.4	1293.6	1315.9	1337.2	1344.4	1353.7
7.5°	1208.7	1207.8	1210.0	1218.9	1235.4	1250.9	1274.5	1306.1	1343.0	1355.0	1371.5
10°	1165.5	1163.7	1172.6	1190.9	1218.0	1242.9	1271.0	1308.3	1359.9	1377.7	1403.1
12.5°	1131.3	1130.4	1139.7	1165.1	1199.8	1239.4	1278.1	1319.9	1382.6	1407.1	1438.2
15°	1151.3	1147.3	1147.7	1165.5	1196.7	1243.4	1295.9	1340.8	1405.3	1436.4	1476.5
17.5°	1209.6	1202.4	1197.1	1200.2	1218.0	1266.5	1323.0	1368.8	1431.5	1468.0	1517.0
20°	1290.1	1286.1	1271.4	1261.6	1265.6	1308.3	1365.7	1408.4	1465.8	1506.7	1559.2
22.5°	1398.2	1388.4	1368.4	1352.8	1340.8	1374.2	1427.1	1464.0	1513.4	1556.1	1610.8
25°	1532.1	1517.8	1486.3	1461.8	1436.0	1470.2	1517.4	1545.4	1578.8	1618.4	1670.4
27.5°	1668.7	1656.6	1621.5	1588.6	1556.5	1577.9	1634.0	1650.0	1646.4	1675.3	1719.8
30°	1814.1	1799.0	1765.6	1730.0	1688.7	1702.5	1752.7	1760.7	1722.9	1746.9	1777.2
32.5°	1967.6	1952.9	1924.0	1882.6	1835.9	1841.3	1855.0	1862.6	1826.6	1840.4	1863.5
35°	2123.7	2109.9	2080.6	2039.7	2005.4	1972.9	1938.2	1968.5	1947.6	1974.3	1972.5
37.5°	2266.5	2252.7	2234.5	2202.9	2144.2	2080.1	2000.1	2037.4	2069.9	2103.7	2097.9
40°	2363.1	2353.7	2358.2	2353.3	2277.7	2150.9	2030.3	2071.2	2159.8	2217.6	2214.5
42.5°	2446.3	2436.9	2462.7	2481.4	2392.4	2216.3	2045.0	2084.1	2217.2	2307.5	2303.0
45°	2483.2	2480.5	2523.2	2582.4	2497.4	2285.7	2082.8	2110.8	2260.8	2376.4	2359.5
47.5°	2439.1	2448.5	2532.6	2632.7	2584.6	2368.0	2160.2	2167.3	2317.7	2451.2	2403.6
50°	2351.5	2372.0	2485.4	2634.0	2648.2	2460.9	2267.4	2249.6	2394.2	2530.8	2426.7
52.5°	2223.8	2245.2	2430.2	2623.8	2684.7	2568.6	2410.2	2384.9	2490.7	2610.4	2430.7
55°	1930.7	1959.6	2303.9	2600.6	2720.3	2666.5	2571.3	2519.7	2615.3	2719.8	2470.3
57.5°	1674.9	1690.0	1996.1	2497.9	2727.4	2738.5	2686.0	2624.6	2739.0	2838.2	2514.8
60°	1229.1	1232.7	1508.1	2066.8	2509.0	2696.7	2676.7	2585.5	2680.3	2743.4	2311.0
62.5°	694.4	694.9	914.6	1379.5	1874.2	2198.0	2210.5	2130.0	2050.3	2069.0	1608.6
65°	260.7	285.2	417.7	678.0	1080.6	1297.6	1349.2	1367.9	1235.4	1153.1	862.6
67.5°	174.4	180.2	243.8	348.8	480.9	555.2	621.0	622.8	455.5	406.2	339.9
70°	133.0	138.8	191.7	249.6	243.8	225.1	243.3	236.7	244.7	251.3	258.5
72.5°	99.2	105.0	148.6	176.2	146.4	144.1	163.3	181.5	198.4	205.5	216.6
75°	65.8	70.3	100.1	94.3	81.0	95.6	119.2	137.5	147.2	155.7	164.2
77.5°	41.8	44.9	53.4	43.2	44.9	56.1	69.4	85.9	95.2	103.7	108.1
80°	19.1	18.7	18.2	20.5	25.4	32.9	41.8	51.6	58.7	62.3	64.9
82.5°	7.6	8.5	9.3	11.1	13.8	17.8	23.6	30.3	36.0	36.9	39.1
85°	3.1	3.6	4.0	4.9	6.2	8.0	9.8	13.8	17.3	18.7	20.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.3	2.2	4.0	4.4	4.9
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°	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4
2.5°	1357.3	1351.5	1361.3	1367.9	1374.2	1367.5	1365.3	1359.5	1358.6	1358.6	1361.7
5°	1369.7	1365.7	1375.9	1379.9	1379.5	1364.8	1355.9	1344.4	1338.6	1338.6	1339.5
7.5°	1392.0	1389.7	1395.5	1389.3	1375.0	1345.2	1315.9	1291.4	1275.0	1266.5	1269.2
10°	1428.9	1426.2	1421.3	1398.2	1357.3	1295.4	1235.4	1190.9	1164.2	1149.1	1150.0
12.5°	1464.9	1460.5	1443.1	1392.0	1307.9	1209.6	1130.8	1081.0	1051.6	1033.8	1029.8
15°	1504.5	1492.9	1455.6	1359.9	1227.4	1104.6	1022.3	968.4	936.9	926.2	925.7
17.5°	1542.3	1521.8	1454.2	1303.0	1130.8	994.7	912.0	878.6	873.3	878.1	879.5
20°	1580.6	1547.7	1439.6	1224.2	1016.0	885.3	842.6	856.3	876.4	889.7	892.8
22.5°	1620.2	1569.0	1406.2	1122.8	895.0	811.4	829.2	859.5	884.4	902.2	903.9
25°	1664.6	1589.0	1356.4	998.7	798.1	791.0	826.1	858.1	884.8	905.3	908.8
27.5°	1690.0	1589.5	1286.5	871.0	753.6	782.9	818.5	848.8	875.5	897.7	901.7
30°	1714.9	1577.5	1175.8	767.4	740.7	773.6	805.6	833.7	859.0	880.8	885.7
32.5°	1750.1	1566.3	1048.1	707.8	733.1	764.7	791.0	815.9	835.4	845.2	847.9
35°	1793.7	1552.1	912.4	682.0	728.2	757.6	780.7	794.1	768.7	763.4	769.2
37.5°	1854.6	1538.8	777.2	670.8	725.1	754.9	775.4	741.1	710.0	697.5	702.0
40°	1920.4	1531.2	685.5	661.9	726.4	757.6	753.1	702.4	657.5	631.2	630.4
42.5°	1976.5	1519.6	626.8	656.2	730.0	767.8	722.9	668.2	601.4	585.9	586.3
45°	2014.3	1490.3	595.7	649.9	733.1	770.0	708.7	621.0	573.4	563.6	563.2
47.5°	2029.9	1436.9	575.6	640.1	732.7	751.8	679.7	601.4	553.8	551.2	553.0
50°	2019.6	1349.2	555.2	621.0	722.0	732.7	646.4	584.1	540.5	555.2	565.9
52.5°	1981.8	1235.8	530.7	594.8	702.9	710.9	629.5	573.4	530.7	550.3	558.7
55°	1972.0	1143.7	499.6	560.5	674.4	672.2	611.7	568.1	524.0	516.5	517.8
57.5°	1959.1	1053.9	448.0	499.1	602.3	605.9	594.8	561.9	506.7	504.5	506.7
60°	1702.0	807.9	399.5	430.6	494.7	513.8	575.6	550.3	478.7	469.3	468.9
62.5°	1111.7	489.3	355.4	375.5	403.0	425.3	524.9	516.9	448.0	442.2	446.2
65°	597.9	348.8	323.4	335.4	350.5	367.5	435.1	460.4	404.8	384.4	384.8
67.5°	305.6	296.7	299.4	307.8	319.4	327.9	351.0	373.2	345.2	327.9	327.4
70°	261.6	268.7	272.7	277.6	285.2	283.8	286.0	290.0	287.8	279.4	278.9
72.5°	222.9	234.0	234.9	235.8	238.4	232.2	228.2	221.5	222.0	223.3	223.8
75°	169.5	180.2	182.8	181.5	184.2	176.2	170.8	164.2	156.1	154.8	155.7
77.5°	110.3	118.8	122.8	121.9	123.2	117.0	114.3	107.2	97.9	94.3	94.3
80°	66.7	71.6	74.7	75.6	77.0	72.5	68.1	61.8	57.8	53.8	53.8
82.5°	40.5	43.6	45.8	45.8	47.2	42.3	38.7	34.3	32.5	28.9	28.9
85°	20.5	22.7	23.6	23.1	22.2	18.2	16.9	14.7	13.8	12.0	12.0
87.5°	4.9	6.2	6.2	4.4	4.4	2.2	1.3	0.4	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)