

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: P630471

Luminaire Tested: GWS-SA1D-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630471
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-SA1D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5363.6 lumens
Efficiency: N/A
Efficacy: 121.1 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

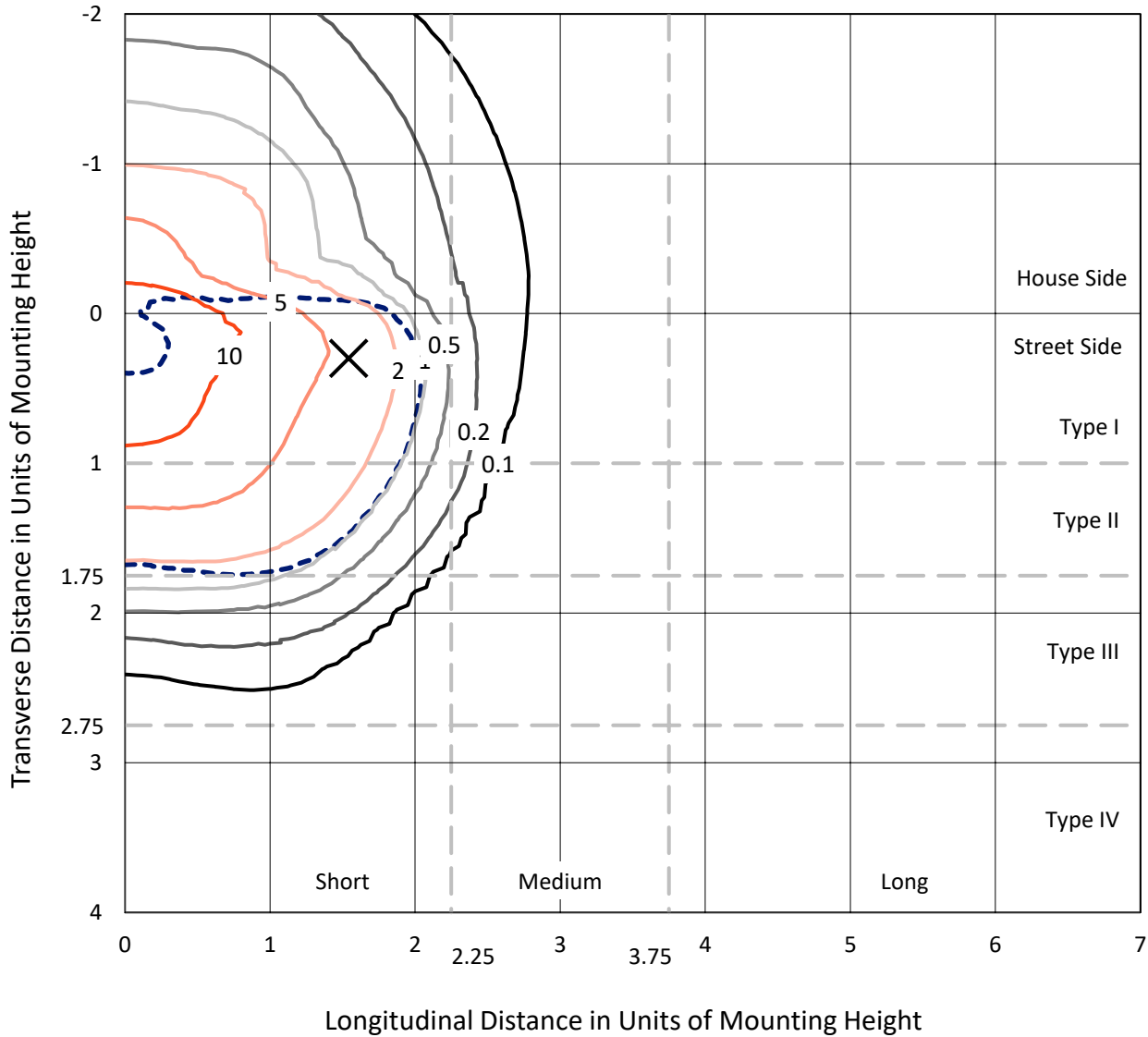
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

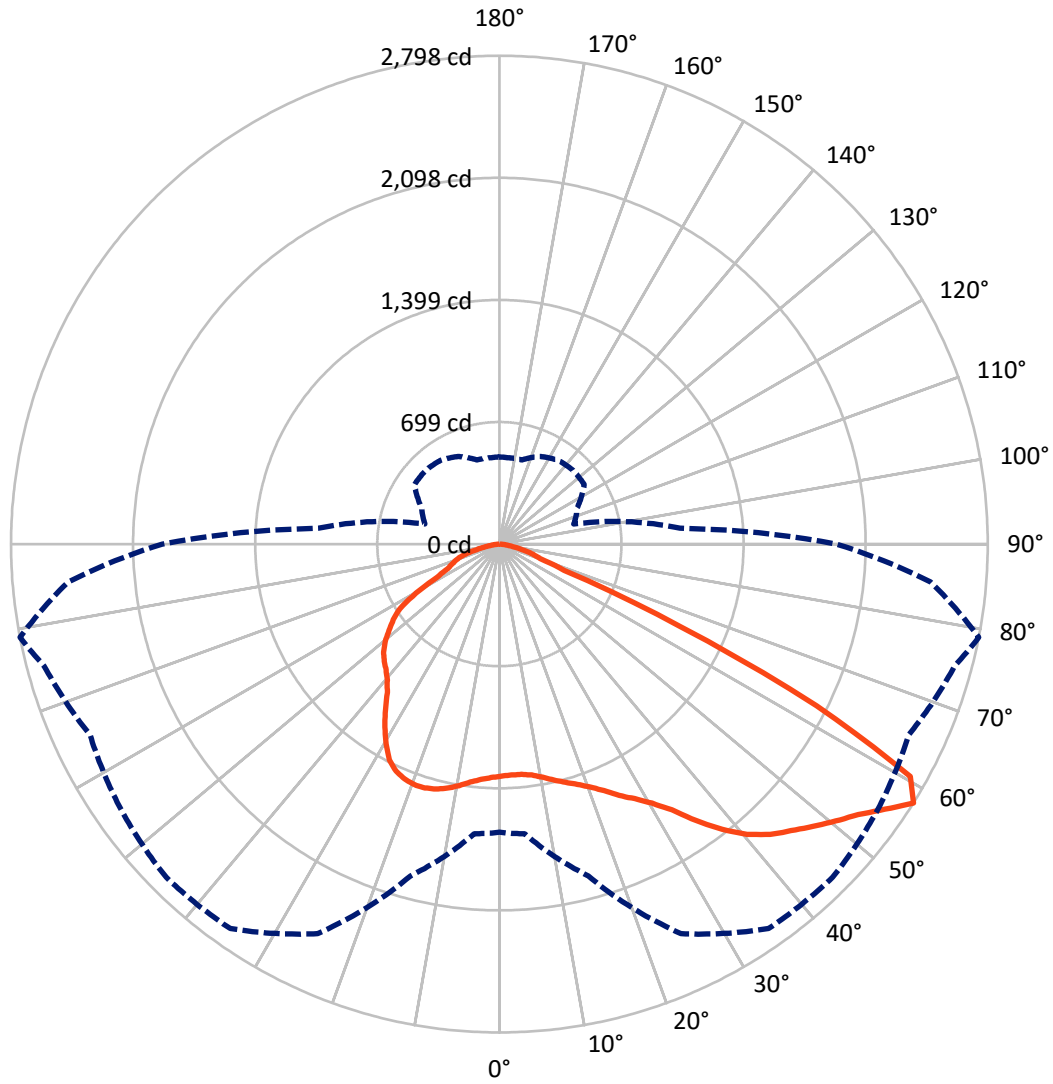
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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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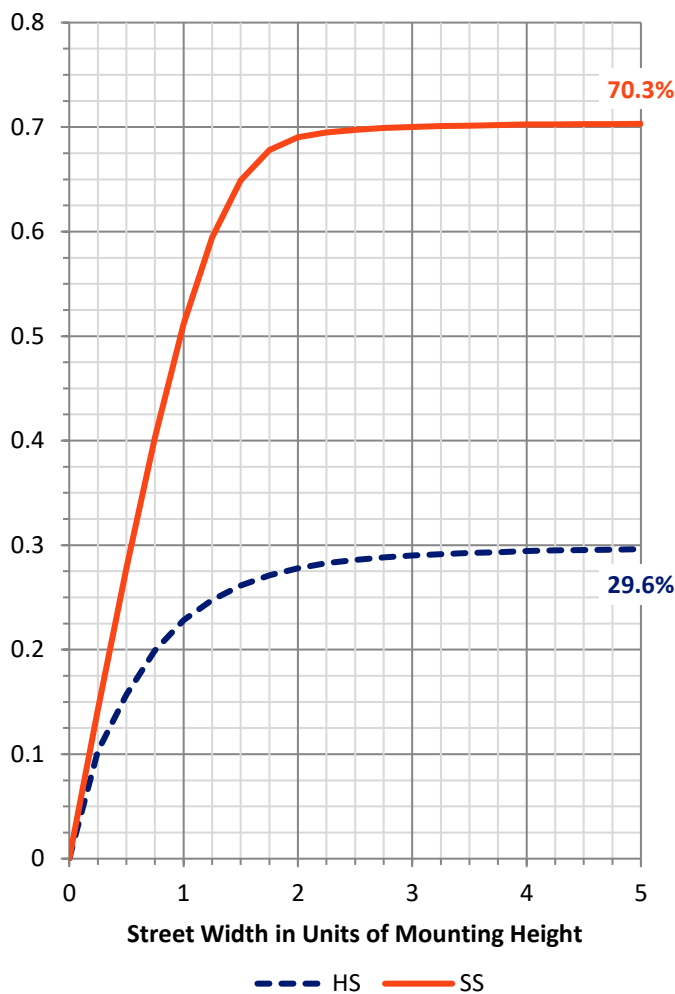
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1594.4	0.0	1594.4
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	3769.2	0.0	3769.2
	% Fixture	70.3	0.0	70.3
Total	Lumens	5363.6	0.0	5363.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	2.3
10°-20°	342.1	6.4
20°-30°	579.9	10.8
30°-40°	887.5	16.5
40°-50°	1183.5	22.1
50°-60°	1366.8	25.5
60°-70°	710.2	13.2
70°-80°	151.0	2.8
80°-90°	19.6	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°	5363.6	100.0
0°-180°	5363.6	100.0

Coefficient of Utilization



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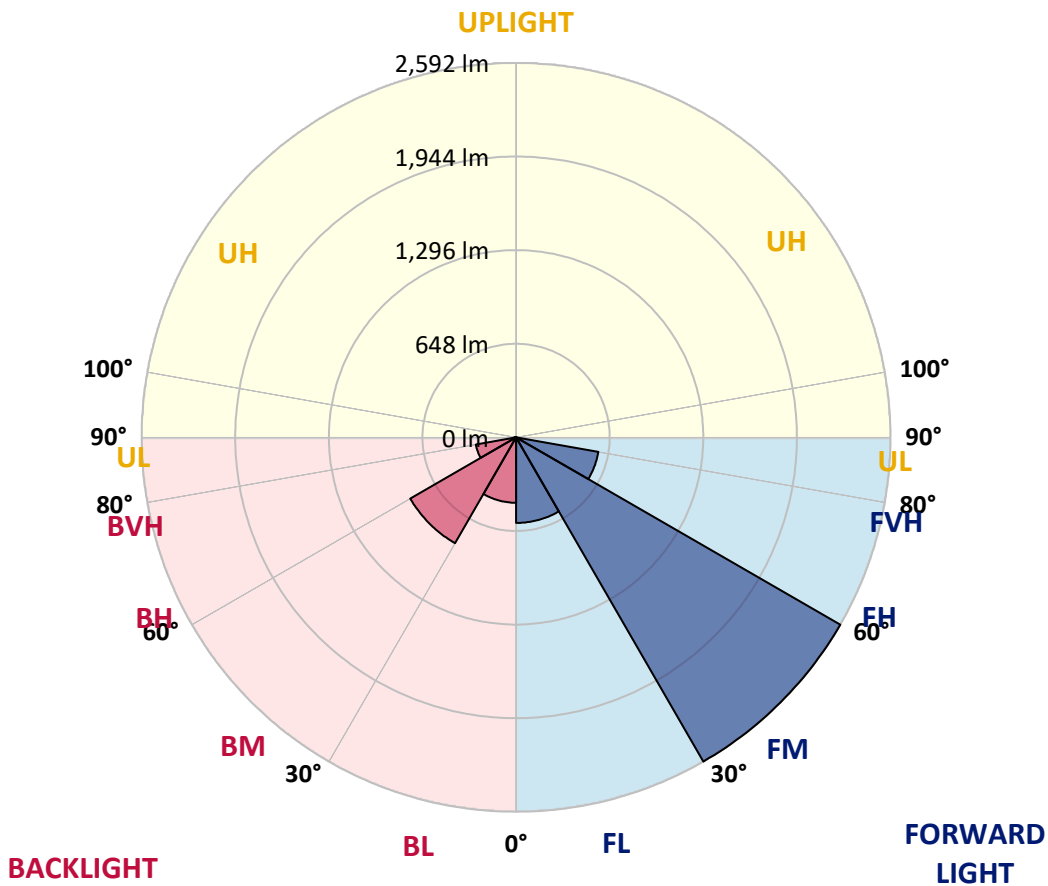
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	592.3	11.0			
FM (30°-60°)	2591.8	48.3			
FH (60°-80°)	578.3	10.8			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	452.8	8.4	B1/500		
BM (30°-60°)	846.0	15.8	B1/1000		
BH (60°-80°)	282.9	5.3	B1/500		G1/500
BVH (80°-90°)	12.7	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°	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2
2.5°	1268.7	1266.1	1267.0	1270.5	1283.6	1293.3	1303.4	1312.6	1321.3	1324.0	1326.2
5°	1223.5	1218.7	1220.0	1225.7	1241.1	1257.3	1275.3	1297.2	1318.3	1325.3	1334.5
7.5°	1191.5	1190.6	1192.8	1201.6	1217.8	1233.2	1256.4	1287.6	1324.0	1335.8	1352.0
10°	1149.0	1147.2	1156.0	1174.0	1200.7	1225.3	1252.9	1289.8	1340.6	1358.2	1383.2
12.5°	1115.2	1114.3	1123.5	1148.5	1182.8	1221.8	1259.9	1301.2	1363.0	1387.1	1417.8
15°	1134.9	1131.0	1131.4	1149.0	1179.7	1225.7	1277.5	1321.8	1385.4	1416.1	1455.5
17.5°	1192.4	1185.4	1180.1	1183.2	1200.7	1248.5	1304.2	1349.4	1411.2	1447.2	1495.4
20°	1271.8	1267.8	1253.4	1243.7	1247.7	1289.8	1346.3	1388.4	1445.0	1485.3	1537.1
22.5°	1378.3	1368.7	1349.0	1333.6	1321.8	1354.7	1406.8	1443.2	1491.9	1534.0	1588.0
25°	1510.3	1496.3	1465.2	1441.1	1415.6	1449.4	1495.9	1523.5	1556.4	1595.4	1646.7
27.5°	1645.0	1633.1	1598.5	1566.0	1534.5	1555.5	1610.8	1626.6	1623.0	1651.6	1695.4
30°	1788.4	1773.5	1740.6	1705.5	1664.7	1678.3	1727.9	1735.8	1698.5	1722.2	1752.0
32.5°	1939.7	1925.2	1896.7	1855.9	1809.9	1815.1	1828.7	1836.2	1800.7	1814.3	1837.1
35°	2093.6	2080.0	2051.1	2010.7	1977.0	1944.9	1910.7	1940.6	1919.9	1946.3	1944.5
37.5°	2234.4	2220.8	2202.8	2171.7	2113.8	2050.6	1971.7	2008.5	2040.5	2073.9	2068.2
40°	2329.5	2320.3	2324.7	2319.9	2245.3	2120.4	2001.5	2041.9	2129.1	2186.1	2183.1
42.5°	2411.5	2402.3	2427.8	2446.2	2358.5	2184.8	2016.0	2054.6	2185.7	2274.7	2270.3
45°	2447.9	2445.3	2487.4	2545.7	2462.0	2253.2	2053.3	2080.9	2228.7	2342.7	2326.0
47.5°	2404.5	2413.7	2496.6	2595.3	2547.9	2334.4	2129.6	2136.6	2284.8	2416.4	2369.4
50°	2318.1	2338.3	2450.1	2596.6	2610.6	2426.0	2235.3	2217.7	2360.2	2494.9	2392.3
52.5°	2192.3	2213.3	2395.8	2586.5	2646.6	2532.1	2376.0	2351.0	2455.4	2573.4	2396.2
55°	1903.3	1931.8	2271.2	2563.7	2681.7	2628.6	2534.8	2483.9	2578.2	2681.3	2435.2
57.5°	1651.1	1666.0	1967.7	2462.4	2688.7	2699.7	2647.9	2587.4	2700.1	2797.9	2479.1
60°	1211.7	1215.2	1486.7	2037.5	2473.4	2658.4	2638.7	2548.8	2642.2	2704.5	2278.2
62.5°	684.6	685.0	901.6	1359.9	1847.6	2166.8	2179.1	2099.7	2021.2	2039.7	1585.8
65°	257.0	281.1	411.8	668.3	1065.2	1279.2	1330.1	1348.5	1217.8	1136.7	850.3
67.5°	171.9	177.6	240.3	343.8	474.1	547.3	612.2	614.0	449.1	400.4	335.0
70°	131.1	136.8	189.0	246.0	240.3	221.9	239.9	233.3	241.2	247.8	254.8
72.5°	97.8	103.5	146.5	173.7	144.3	142.1	160.9	178.9	195.6	202.6	213.6
75°	64.9	69.3	98.7	93.0	79.8	94.3	117.5	135.5	145.2	153.5	161.8
77.5°	41.2	44.3	52.6	42.5	44.3	55.3	68.4	84.6	93.8	102.2	106.6
80°	18.9	18.4	18.0	20.2	25.0	32.5	41.2	50.9	57.9	61.4	64.0
82.5°	7.5	8.3	9.2	11.0	13.6	17.5	23.2	29.8	35.5	36.4	38.6
85°	3.1	3.5	3.9	4.8	6.1	7.9	9.6	13.6	17.1	18.4	19.7
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.3	2.2	3.9	4.4	4.8
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°	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2
2.5°	1338.0	1332.3	1341.9	1348.5	1354.7	1348.1	1345.9	1340.2	1339.3	1339.3	1342.4
5°	1350.3	1346.3	1356.4	1360.4	1359.9	1345.5	1336.7	1325.3	1319.6	1319.6	1320.5
7.5°	1372.2	1370.0	1375.7	1369.6	1355.5	1326.2	1297.2	1273.1	1256.9	1248.5	1251.2
10°	1408.6	1406.0	1401.1	1378.3	1338.0	1277.0	1217.8	1174.0	1147.7	1132.8	1133.6
12.5°	1444.1	1439.7	1422.6	1372.2	1289.3	1192.4	1114.8	1065.7	1036.7	1019.2	1015.2
15°	1483.2	1471.8	1434.9	1340.6	1209.9	1088.9	1007.8	954.7	923.6	913.0	912.6
17.5°	1520.4	1500.3	1433.6	1284.5	1114.8	980.6	899.0	866.1	860.9	865.7	867.0
20°	1558.1	1525.7	1419.1	1206.9	1001.6	872.7	830.6	844.2	863.9	877.1	880.2
22.5°	1597.2	1546.7	1386.2	1106.9	882.3	799.9	817.4	847.3	871.8	889.4	891.1
25°	1641.0	1566.5	1337.1	984.5	786.7	779.7	814.4	845.9	872.3	892.4	895.9
27.5°	1666.0	1566.9	1268.3	858.7	742.9	771.8	806.9	836.7	863.1	885.0	888.9
30°	1690.6	1555.1	1159.1	756.5	730.2	762.6	794.2	821.8	846.8	868.3	873.1
32.5°	1725.2	1544.1	1033.2	697.7	722.7	753.9	779.7	804.3	823.6	833.2	835.9
35°	1768.2	1530.1	899.5	672.3	717.9	746.8	769.6	782.8	757.8	752.5	758.2
37.5°	1828.3	1516.9	766.1	661.3	714.8	744.2	764.4	730.6	699.9	687.6	692.0
40°	1893.2	1509.5	675.8	652.6	716.1	746.8	742.5	692.5	648.2	622.3	621.4
42.5°	1948.4	1498.1	617.9	646.9	719.6	756.9	712.6	658.7	592.9	577.6	578.0
45°	1985.7	1469.1	587.2	640.7	722.7	759.1	698.6	612.2	565.3	555.6	555.2
47.5°	2001.1	1416.5	567.5	631.1	722.3	741.1	670.1	592.9	546.0	543.4	545.1
50°	1991.0	1330.1	547.3	612.2	711.8	722.3	637.2	575.8	532.8	547.3	557.8
52.5°	1953.7	1218.3	523.2	586.3	692.9	700.8	620.5	565.3	523.2	542.5	550.8
55°	1944.1	1127.5	492.5	552.6	664.8	662.6	603.0	560.0	516.6	509.1	510.5
57.5°	1931.3	1038.9	441.6	492.0	593.8	597.3	586.3	553.9	499.5	497.3	499.5
60°	1677.9	796.4	393.8	424.5	487.7	506.5	567.5	542.5	471.9	462.7	462.2
62.5°	1095.9	482.4	350.4	370.1	397.3	419.2	517.5	509.6	441.6	435.9	439.9
65°	589.4	343.8	318.8	330.7	345.6	362.2	428.9	453.9	399.1	378.9	379.3
67.5°	301.3	292.5	295.1	303.5	314.9	323.2	346.0	367.9	340.3	323.2	322.8
70°	257.9	264.9	268.8	273.7	281.1	279.8	282.0	285.9	283.7	275.4	275.0
72.5°	219.7	230.7	231.6	232.4	235.1	228.9	225.0	218.4	218.8	220.1	220.6
75°	167.1	177.6	180.2	178.9	181.6	173.7	168.4	161.8	153.9	152.6	153.5
77.5°	108.8	117.1	121.0	120.2	121.5	115.3	112.7	105.7	96.5	93.0	93.0
80°	65.8	70.6	73.7	74.6	75.9	71.5	67.1	61.0	57.0	53.1	53.1
82.5°	39.9	43.0	45.2	45.2	46.5	41.7	38.2	33.8	32.0	28.5	28.5
85°	20.2	22.4	23.2	22.8	21.9	18.0	16.7	14.5	13.6	11.8	11.8
87.5°	4.8	6.1	6.1	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)