

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: P630226

Luminaire Tested: GWS-SA1D-730-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5410.3 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

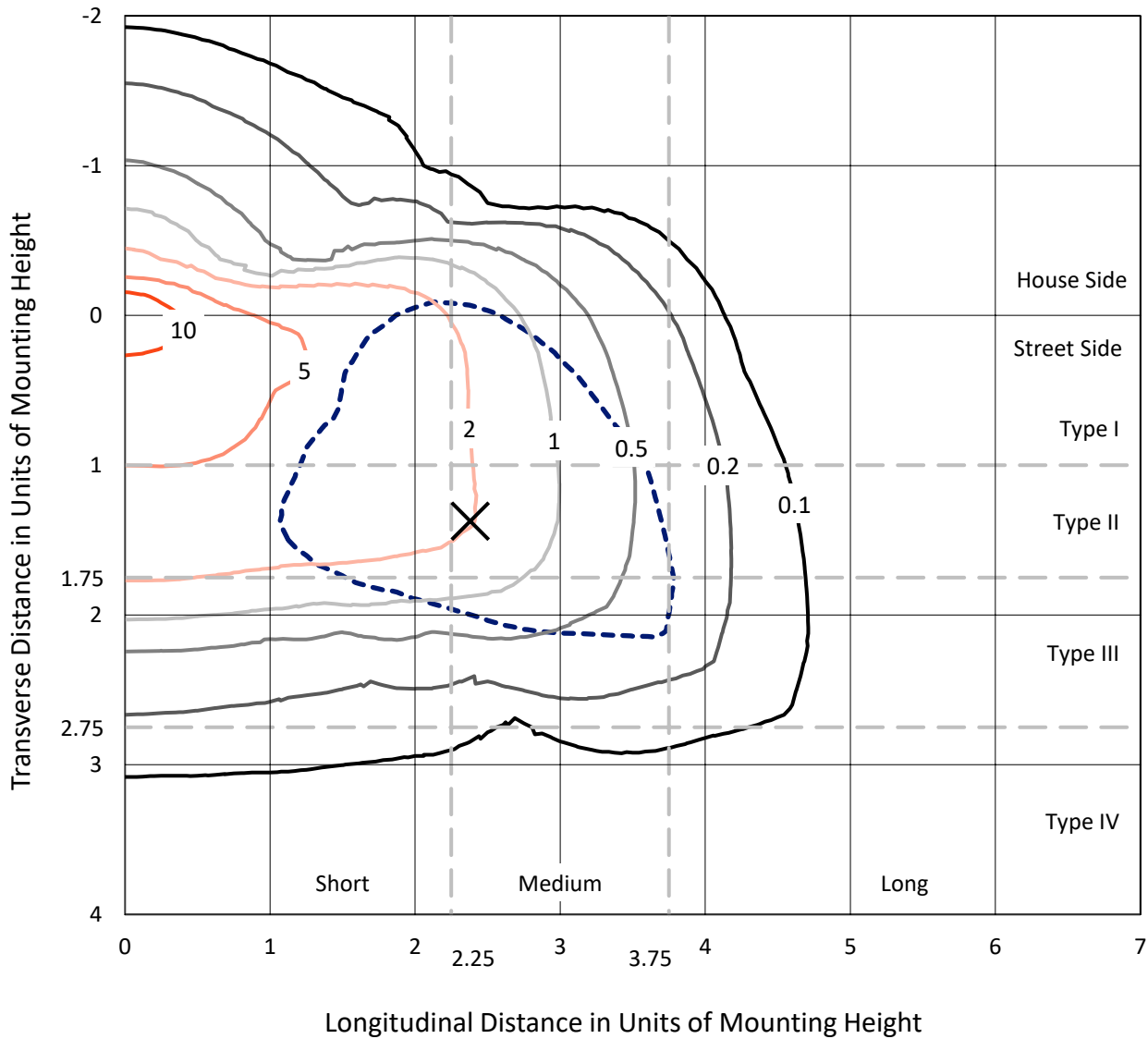
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

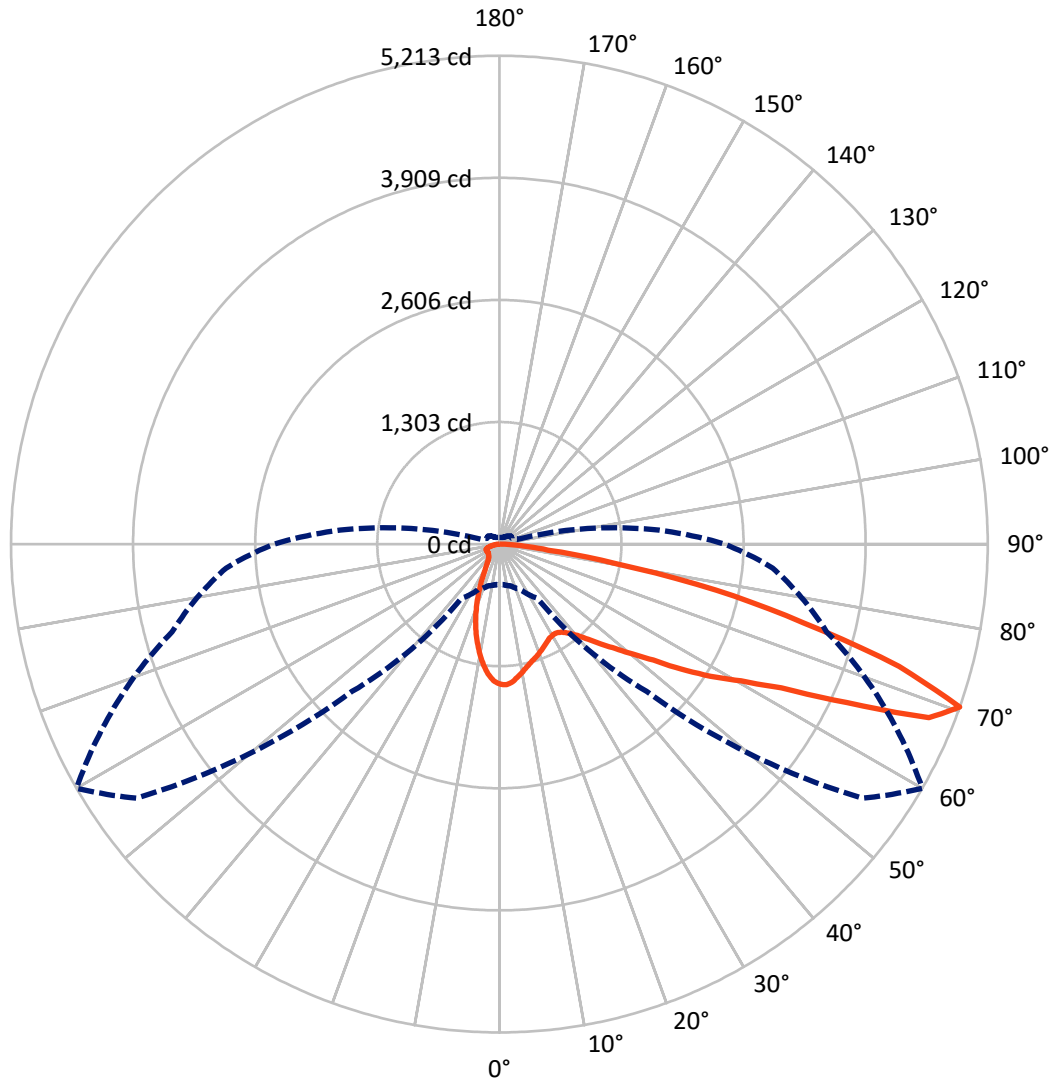
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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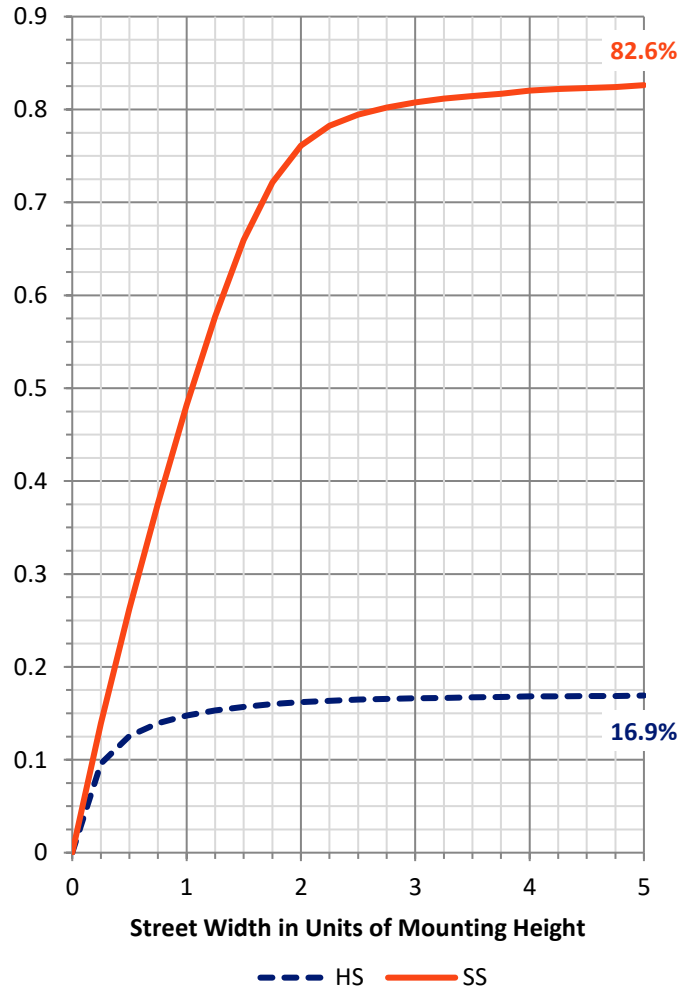
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	925.3	0.0	925.3
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	4485.0	0.0	4485.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	5410.3	0.0	5410.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	2.4
10°-20°	289.1	5.3
20°-30°	370.2	6.8
30°-40°	486.6	9.0
40°-50°	706.0	13.0
50°-60°	1101.5	20.4
60°-70°	1442.0	26.7
70°-80°	797.4	14.7
80°-90°	88.5	1.6
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°	5410.3	100.0
0°-180°	5410.3	100.0

Coefficient of Utilization



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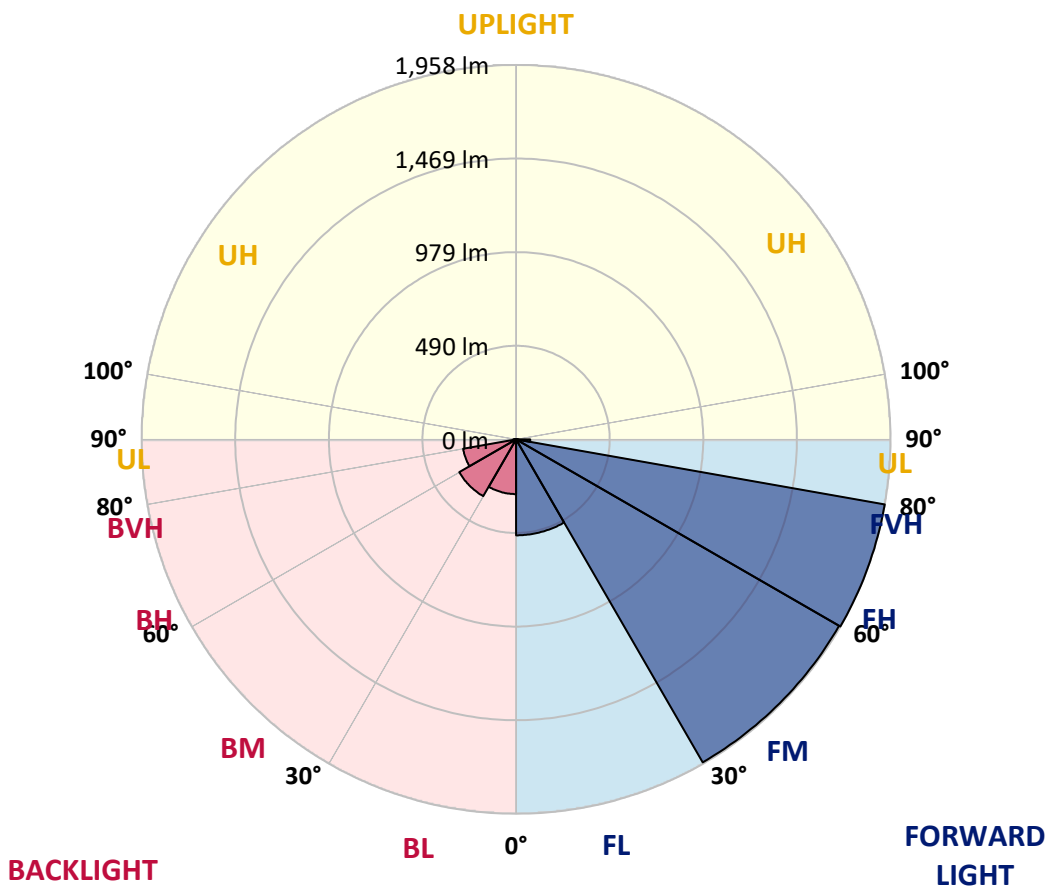
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	502.1	9.3			
FM (30°-60°)	1950.9	36.1			
FH (60°-80°)	1958.2	36.2			G2/5000
FVH (80°-90°)	73.7	1.4			G1/100
BL (0°-30°)	286.3	5.3	B1/500		
BM (30°-60°)	343.1	6.3	B1/1000		
BH (60°-80°)	281.2	5.2	B1/500		G1/500
BVH (80°-90°)	14.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1
2.5°	1476.1	1477.7	1482.1	1488.4	1494.7	1497.9	1505.8	1503.4	1501.9	1498.7	1494.7
5°	1410.8	1414.0	1417.9	1430.2	1444.1	1455.1	1473.0	1474.9	1475.7	1477.3	1471.0
7.5°	1327.7	1328.5	1338.0	1354.2	1372.4	1391.4	1421.1	1429.4	1436.5	1444.5	1439.3
10°	1235.8	1237.8	1244.9	1268.3	1299.6	1327.7	1367.7	1381.5	1396.6	1414.0	1406.8
12.5°	1160.6	1161.0	1172.5	1197.4	1231.5	1269.5	1319.4	1336.0	1355.8	1383.1	1376.8
15°	1100.9	1100.9	1111.5	1132.9	1172.1	1216.8	1276.2	1297.6	1324.5	1361.3	1350.2
17.5°	1053.4	1053.7	1060.5	1083.0	1117.9	1167.4	1237.8	1266.7	1296.4	1345.1	1328.5
20°	1028.4	1026.4	1027.6	1041.5	1071.2	1119.1	1199.4	1233.1	1273.0	1334.0	1308.7
22.5°	1027.2	1023.7	1018.5	1019.7	1037.1	1076.7	1158.3	1199.0	1249.3	1324.9	1288.5
25°	1047.4	1043.5	1034.4	1024.1	1022.5	1046.2	1119.5	1165.8	1224.8	1320.9	1269.1
27.5°	1081.5	1078.7	1066.8	1051.4	1035.1	1034.4	1090.2	1138.5	1206.9	1324.9	1255.2
30°	1126.6	1121.8	1114.3	1094.5	1070.0	1044.6	1078.7	1123.8	1195.1	1337.6	1249.3
32.5°	1177.7	1174.9	1167.8	1148.0	1121.8	1081.5	1087.8	1127.0	1195.1	1359.7	1250.5
35°	1231.9	1231.5	1231.5	1218.4	1189.5	1139.3	1123.8	1153.9	1213.3	1395.4	1263.2
37.5°	1284.5	1284.1	1296.8	1301.6	1268.7	1214.5	1185.2	1207.7	1253.3	1448.0	1294.4
40°	1327.3	1328.9	1356.6	1380.3	1362.1	1311.8	1270.7	1282.2	1318.2	1522.8	1349.1
42.5°	1370.4	1374.8	1416.3	1458.3	1465.4	1421.9	1380.3	1387.1	1411.2	1621.8	1430.6
45°	1417.5	1419.5	1477.7	1536.3	1570.7	1545.0	1511.0	1520.1	1525.6	1744.1	1552.1
47.5°	1463.1	1468.2	1543.4	1623.8	1689.1	1686.7	1667.7	1664.9	1666.1	1892.9	1695.8
50°	1525.2	1532.7	1621.0	1718.0	1813.8	1857.7	1863.3	1842.3	1833.6	2058.4	1874.7
52.5°	1643.2	1643.2	1722.3	1817.7	1946.4	2055.2	2092.5	2058.0	2030.3	2233.4	2064.7
55°	1790.8	1797.2	1860.1	1937.3	2100.4	2263.1	2388.9	2350.9	2272.6	2423.8	2263.9
57.5°	1856.5	1864.4	1964.2	2084.1	2301.9	2499.4	2674.0	2660.5	2546.1	2621.7	2470.5
60°	1737.8	1754.4	1891.8	2092.9	2484.3	2880.6	3003.7	2964.5	2801.0	2829.5	2694.5
62.5°	1449.6	1467.8	1620.2	1900.9	2459.0	3292.7	3523.4	3379.0	3119.3	3092.0	2993.0
65°	864.9	864.1	1047.4	1419.5	2146.7	3407.1	4346.0	4076.5	3610.9	3452.2	3300.2
67.5°	549.8	548.6	587.0	752.1	1428.6	3126.8	4874.9	4944.9	4278.7	3717.0	3325.5
70°	433.9	433.5	461.2	536.4	706.6	2225.1	4727.6	5212.5	4682.1	3616.1	2928.1
72.5°	316.3	317.1	359.8	449.3	545.1	1117.1	3828.3	4460.0	4306.4	3192.1	2377.1
75°	227.2	228.4	254.1	344.0	502.7	610.8	2545.7	3353.6	3276.4	2558.8	1635.3
77.5°	144.5	146.1	168.6	241.1	406.1	493.2	1543.4	2367.6	2179.9	1441.7	581.5
80°	88.3	93.4	112.4	179.7	324.6	370.1	771.5	1247.3	1091.8	395.5	195.5
82.5°	45.5	49.5	67.7	111.2	223.7	325.0	436.6	524.1	338.1	165.5	104.1
85°	14.3	16.6	23.8	45.1	106.5	201.5	289.0	260.5	155.2	78.0	48.3
87.5°	3.6	3.6	4.0	4.0	4.4	9.1	55.8	59.0	41.2	24.5	19.8
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°	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1
2.5°	1486.8	1477.3	1473.3	1473.0	1463.1	1448.8	1439.3	1432.6	1428.6	1427.8	1427.8
5°	1460.3	1448.0	1431.8	1419.5	1393.0	1366.1	1343.5	1330.8	1316.2	1314.2	1313.8
7.5°	1425.1	1407.2	1376.4	1341.9	1295.6	1250.9	1212.9	1187.2	1161.4	1156.7	1155.1
10°	1387.1	1362.9	1310.3	1249.7	1180.4	1113.5	1055.3	1009.8	979.7	958.3	954.4
12.5°	1349.4	1317.4	1240.2	1149.9	1054.9	963.5	876.0	801.6	747.8	716.5	710.9
15°	1314.2	1269.5	1163.8	1048.6	925.1	800.0	676.1	579.5	503.9	477.0	470.7
17.5°	1282.2	1226.3	1089.8	943.7	789.7	626.2	485.3	399.4	355.1	341.6	338.5
20°	1250.1	1182.0	1014.6	833.3	646.0	462.7	354.7	314.3	297.7	292.5	290.9
22.5°	1215.7	1133.3	932.6	724.4	500.7	346.4	290.2	272.3	267.2	267.6	267.2
25°	1181.2	1083.8	846.7	606.0	372.9	281.1	253.3	246.6	247.8	251.4	252.2
27.5°	1152.7	1039.9	762.4	476.2	291.3	241.9	228.8	228.4	232.8	237.5	238.3
30°	1132.1	1000.7	679.3	366.2	239.9	214.9	209.8	212.2	217.3	220.9	222.1
32.5°	1117.5	967.1	590.6	287.8	210.2	195.9	193.6	195.9	199.1	202.7	203.5
35°	1112.3	942.5	503.5	234.7	190.0	182.1	180.5	181.7	183.3	185.3	186.0
37.5°	1123.8	930.2	412.5	204.3	177.7	173.0	170.6	169.8	170.2	171.0	171.4
40°	1157.9	935.8	338.1	186.4	169.8	165.5	161.5	159.9	159.5	160.3	159.9
42.5°	1216.4	959.1	284.2	176.2	163.5	157.2	152.8	151.2	151.2	153.2	153.2
45°	1302.3	1005.1	245.4	168.6	157.9	150.0	145.3	144.5	146.1	149.2	149.6
47.5°	1428.2	1072.4	222.1	163.1	152.8	143.7	138.9	138.5	141.7	146.9	147.3
50°	1577.5	1169.3	209.4	159.1	149.2	138.5	133.8	134.2	137.8	143.3	144.5
52.5°	1757.2	1301.6	210.2	157.5	147.3	135.4	130.6	129.8	133.4	138.9	140.1
55°	1942.8	1462.3	225.6	157.9	144.5	133.8	127.5	124.7	127.9	131.8	132.2
57.5°	2147.1	1643.6	264.0	157.2	140.9	132.2	124.7	118.4	120.3	122.7	123.9
60°	2377.5	1856.9	346.8	158.7	139.3	128.7	119.2	110.8	110.4	112.0	112.4
62.5°	2685.4	2147.1	439.8	161.5	142.9	124.3	110.8	102.1	100.5	101.3	101.7
65°	2921.0	2285.6	410.5	159.1	150.4	121.1	102.9	93.8	90.6	89.9	89.9
67.5°	2825.2	2102.4	285.8	152.8	154.0	121.5	96.6	85.1	81.1	79.2	78.8
70°	2404.0	1707.7	198.7	146.5	150.0	120.7	89.9	78.0	72.8	70.1	69.7
72.5°	1899.3	1303.9	160.7	133.8	136.2	108.9	80.0	70.1	65.7	62.1	62.1
75°	1222.4	795.7	134.2	119.2	111.2	84.7	69.3	62.5	58.2	54.6	54.6
77.5°	411.3	295.3	104.1	100.9	83.1	63.7	58.2	53.8	50.3	47.1	46.7
80°	167.0	140.1	76.4	76.4	58.2	48.7	45.5	43.5	41.2	37.2	37.2
82.5°	97.0	85.1	53.4	46.3	38.8	33.6	31.7	29.7	29.7	26.9	26.9
85°	46.7	47.1	32.1	28.5	22.2	19.4	18.6	17.4	17.0	15.4	15.0
87.5°	25.3	25.7	16.2	12.7	8.7	7.5	6.3	5.9	5.5	5.1	5.1
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)