

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: P630223

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3229.7 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

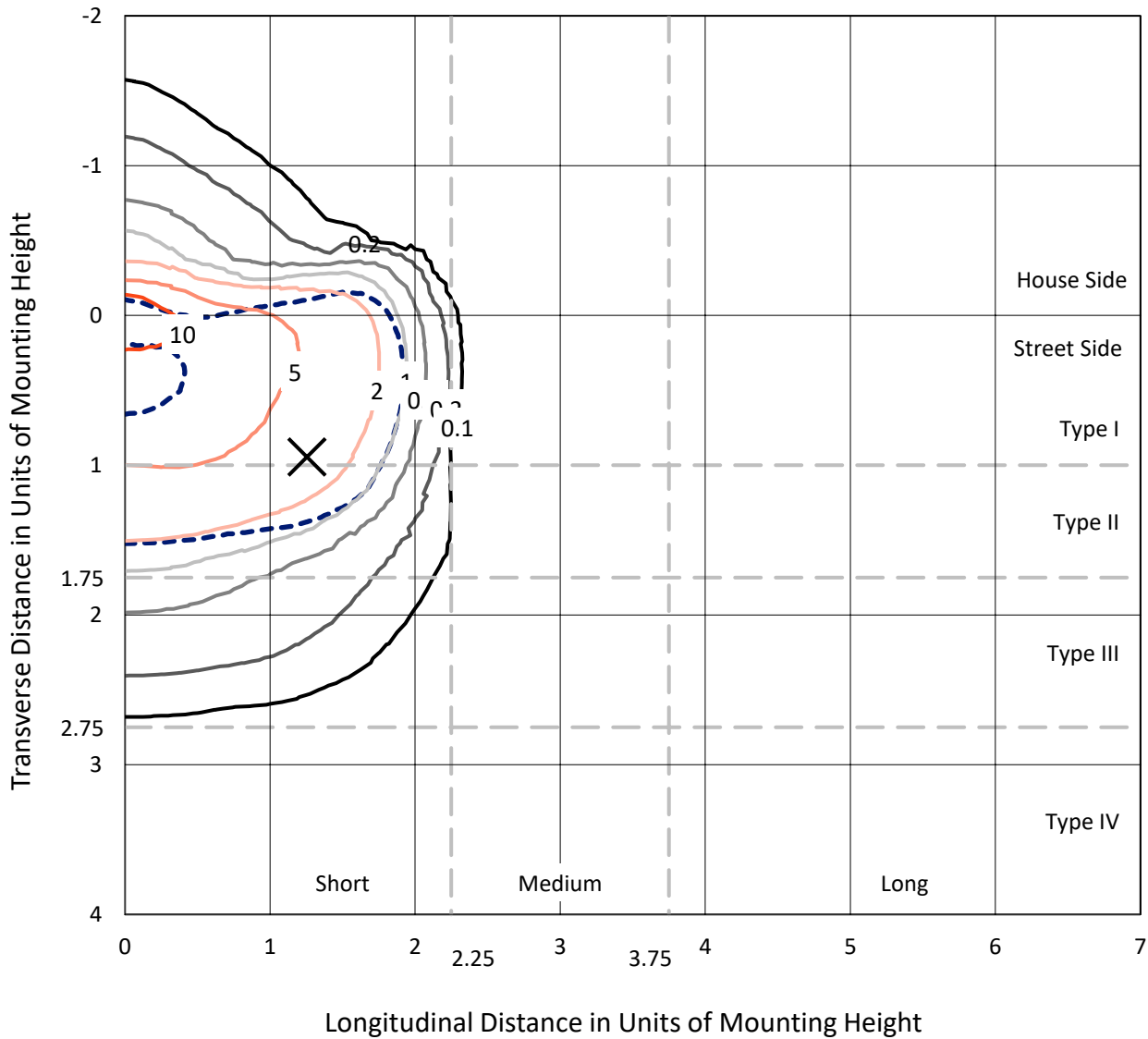
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

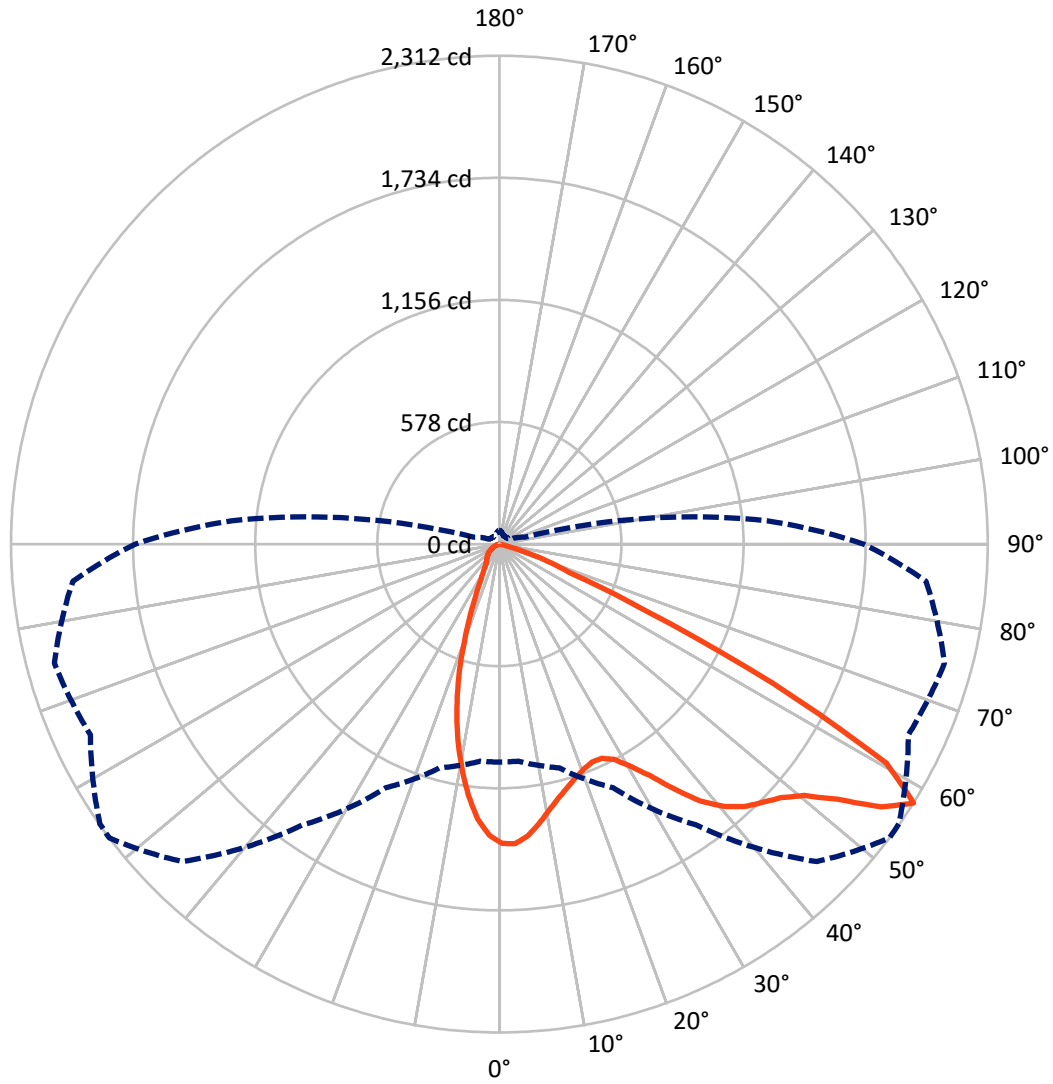
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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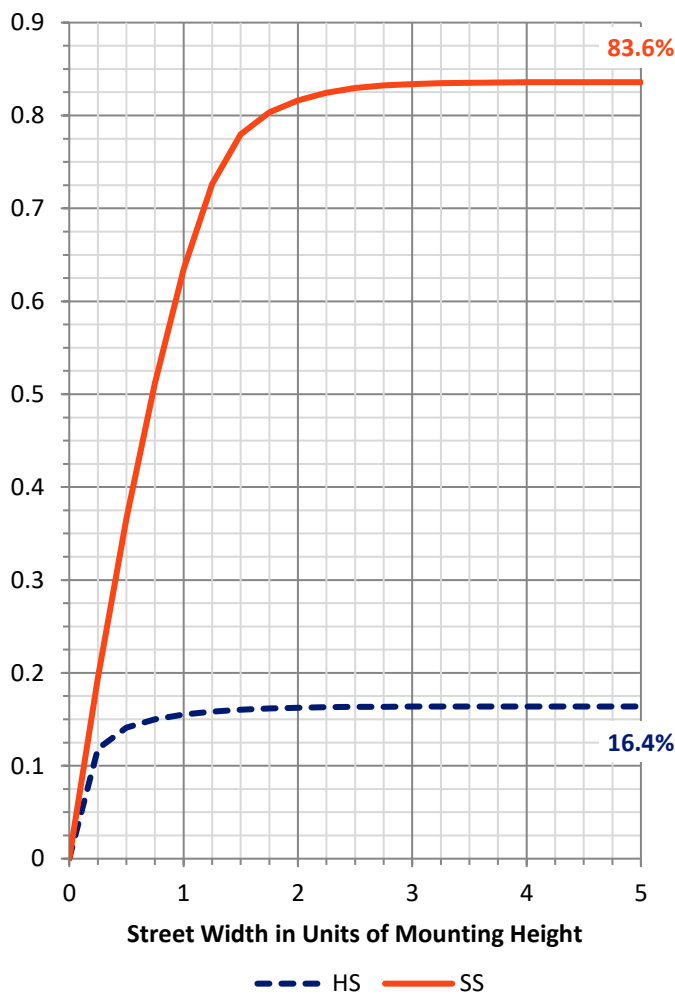
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	533.5	0.0	533.5
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2696.2	0.0	2696.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	3229.7	0.0	3229.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	3.8
10°-20°	266.1	8.2
20°-30°	346.7	10.7
30°-40°	502.8	15.6
40°-50°	725.6	22.5
50°-60°	877.5	27.2
60°-70°	357.6	11.1
70°-80°	32.1	1.0
80°-90°	0.0	0.0
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°	3229.7	100.0
0°-180°	3229.7	100.0

Coefficient of Utilization



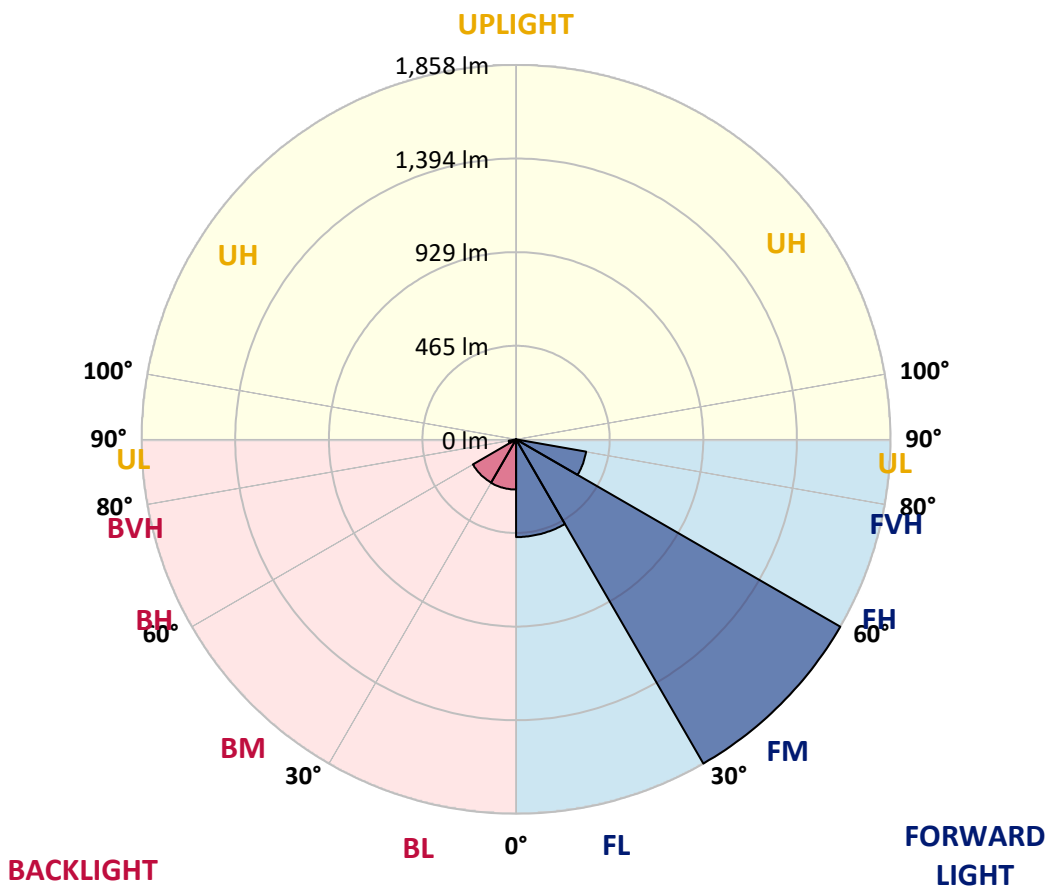
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	485.0	15.0			
FM (30°-60°)	1858.3	57.5			
FH (60°-80°)	352.9	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	249.0	7.7	B1/500		
BM (30°-60°)	247.6	7.7	B1/1000		
BH (60°-80°)	36.9	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7
2.5°	1396.9	1400.1	1405.6	1412.8	1417.5	1419.9	1419.9	1426.6	1422.3	1418.7	1414.8
5°	1337.2	1340.3	1347.9	1359.3	1370.8	1379.1	1388.6	1395.8	1398.5	1398.5	1391.8
7.5°	1252.9	1257.2	1262.0	1277.8	1302.7	1321.3	1337.6	1347.9	1362.9	1367.6	1358.1
10°	1162.2	1166.6	1177.2	1199.0	1227.5	1255.2	1282.9	1296.0	1321.7	1335.2	1324.5
12.5°	1085.4	1087.4	1101.6	1127.8	1164.2	1202.2	1235.8	1249.3	1285.7	1305.9	1293.2
15°	1022.1	1023.3	1037.5	1066.4	1108.4	1155.1	1197.4	1211.3	1256.0	1286.5	1267.5
17.5°	974.2	974.6	986.8	1018.1	1062.1	1113.9	1164.2	1181.2	1239.0	1275.8	1247.3
20°	950.0	948.8	957.5	984.9	1026.4	1078.3	1137.7	1158.6	1229.5	1274.2	1231.9
22.5°	950.4	947.7	951.2	970.6	1005.8	1054.5	1121.0	1144.8	1230.3	1281.0	1218.8
25°	973.0	969.0	969.8	980.1	1005.1	1049.4	1123.4	1148.7	1246.1	1303.5	1214.1
27.5°	1011.0	1006.6	1006.6	1011.8	1025.2	1065.6	1153.1	1182.0	1288.5	1347.5	1224.0
30°	1060.1	1055.7	1054.1	1059.3	1070.4	1107.6	1219.2	1249.3	1360.9	1419.5	1255.6
32.5°	1116.3	1111.1	1113.9	1121.0	1131.7	1183.2	1304.3	1344.3	1451.6	1516.5	1312.6
35°	1175.7	1171.3	1184.0	1199.4	1216.0	1288.1	1421.9	1456.7	1562.8	1637.2	1399.7
37.5°	1232.3	1230.3	1256.8	1289.3	1323.7	1414.0	1541.4	1568.3	1658.2	1768.6	1506.2
40°	1288.9	1288.5	1334.0	1391.0	1446.0	1539.4	1632.1	1654.2	1716.4	1870.8	1608.3
42.5°	1352.2	1352.2	1415.1	1491.1	1564.4	1645.5	1698.6	1708.5	1742.5	1929.7	1685.1
45°	1412.8	1416.3	1489.2	1577.4	1664.1	1728.3	1744.5	1745.3	1753.2	1964.6	1748.8
47.5°	1460.7	1463.8	1550.9	1652.7	1746.1	1791.2	1793.6	1790.0	1781.3	1997.8	1797.9
50°	1499.5	1504.2	1595.3	1702.9	1802.3	1851.8	1870.0	1866.4	1844.2	2033.5	1832.4
52.5°	1518.5	1525.2	1610.7	1727.9	1864.8	1955.5	2006.1	2014.5	1938.5	2053.2	1865.2
55°	1366.5	1376.4	1455.1	1615.4	1899.7	2115.8	2195.4	2193.8	2040.6	2112.2	1945.2
57.5°	1032.0	1031.2	1096.5	1271.9	1622.6	2124.9	2311.7	2308.6	2136.0	2180.7	2027.1
60°	702.6	697.9	715.3	800.0	1134.5	1731.0	2103.9	2146.7	2068.3	2014.5	1721.1
62.5°	578.3	574.0	568.4	545.1	651.6	1078.3	1453.5	1518.5	1508.2	1400.1	1079.5
65°	473.4	477.0	492.4	482.5	453.2	553.0	754.5	792.9	724.8	610.0	377.2
67.5°	349.1	350.7	370.9	423.2	407.3	368.1	355.1	361.4	211.8	97.4	62.9
70°	206.2	207.4	226.0	296.1	330.5	282.6	239.9	236.3	83.9	26.1	28.5
72.5°	116.8	114.4	118.0	140.9	180.1	150.0	123.5	112.4	25.3	14.6	14.6
75°	55.4	53.8	46.3	43.5	39.6	25.3	15.8	13.5	6.3	5.9	5.9
77.5°	0.4	1.2	0.8	1.2	1.2	0.8	0.4	0.4	1.2	1.2	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7
2.5°	1407.6	1395.8	1393.0	1392.2	1381.1	1369.2	1357.0	1352.2	1345.1	1340.7	1344.3
5°	1381.1	1364.1	1349.0	1335.2	1310.6	1283.7	1260.4	1245.3	1231.1	1221.6	1224.0
7.5°	1343.5	1321.3	1286.9	1251.7	1206.5	1166.2	1121.0	1093.3	1067.6	1053.3	1060.1
10°	1303.5	1274.2	1219.2	1159.4	1088.6	1025.2	960.7	908.1	877.6	848.7	851.9
12.5°	1264.3	1225.5	1143.2	1052.6	963.1	869.7	772.3	699.5	649.6	613.6	608.0
15°	1227.9	1178.0	1069.2	949.6	827.7	703.4	579.1	475.0	417.2	381.6	379.2
17.5°	1195.5	1133.7	992.4	842.0	689.2	530.0	387.1	309.2	275.9	260.5	258.9
20°	1164.2	1089.0	914.0	732.7	538.0	372.1	267.2	231.2	220.5	214.2	214.9
22.5°	1134.1	1040.3	831.7	611.6	403.4	261.3	207.0	193.2	192.0	192.8	193.2
25°	1108.8	995.6	747.0	494.8	287.8	199.1	173.0	169.0	172.6	177.7	178.5
27.5°	1095.7	959.1	664.2	377.2	208.2	161.9	150.0	151.6	157.9	163.5	164.3
30°	1099.3	931.8	578.7	273.5	160.3	136.6	132.6	135.8	142.1	147.3	148.0
32.5°	1124.6	918.0	491.2	199.1	131.8	119.1	117.6	119.9	125.5	129.4	129.8
35°	1174.9	921.1	408.1	152.4	113.2	106.1	105.7	107.3	110.0	112.8	113.2
37.5°	1248.9	946.9	326.2	126.7	102.5	97.4	95.8	95.8	97.8	99.0	99.8
40°	1328.5	985.7	261.3	112.0	95.0	89.5	86.3	85.1	86.7	88.3	88.7
42.5°	1394.2	1024.4	212.2	101.7	89.1	81.5	77.6	76.8	78.8	81.5	82.3
45°	1444.4	1054.5	176.9	93.4	82.3	74.0	69.7	69.7	73.2	78.0	78.8
47.5°	1490.4	1078.7	150.8	85.9	76.0	67.3	62.9	63.7	69.7	76.0	77.2
50°	1521.6	1098.1	131.4	79.2	70.9	61.8	57.8	59.4	66.5	74.0	75.2
52.5°	1555.3	1121.8	118.8	73.2	66.1	57.4	53.8	55.0	62.9	71.3	72.8
55°	1648.3	1201.4	118.4	65.3	57.8	51.5	49.9	50.3	58.2	67.7	69.7
57.5°	1724.3	1271.5	126.3	55.0	48.3	45.1	44.3	44.7	51.9	62.5	64.9
60°	1426.6	988.0	104.5	45.5	40.4	39.6	38.4	39.2	45.9	55.4	57.4
62.5°	844.3	564.9	49.9	34.8	34.4	33.6	32.5	34.0	40.4	48.7	49.9
65°	288.6	167.4	31.7	28.5	29.3	28.1	26.9	28.5	34.0	38.8	39.2
67.5°	55.4	44.3	25.3	23.8	24.1	21.8	21.4	23.0	26.1	26.9	26.5
70°	28.9	25.7	19.4	19.4	18.6	15.4	15.4	17.0	17.0	15.8	15.4
72.5°	15.0	14.3	12.7	14.3	11.9	9.5	9.5	10.3	9.5	7.9	7.9
75°	5.9	5.9	5.5	7.1	5.1	4.4	4.0	4.8	3.6	2.8	2.8
77.5°	1.6	1.6	1.6	2.0	1.2	1.2	0.8	0.8	0.4	0.0	0.0
80°	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)