

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: P630384

Luminaire Tested: GWS-SA1D-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3642.2 lumens
Efficiency: N/A
Efficacy: 82.2 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

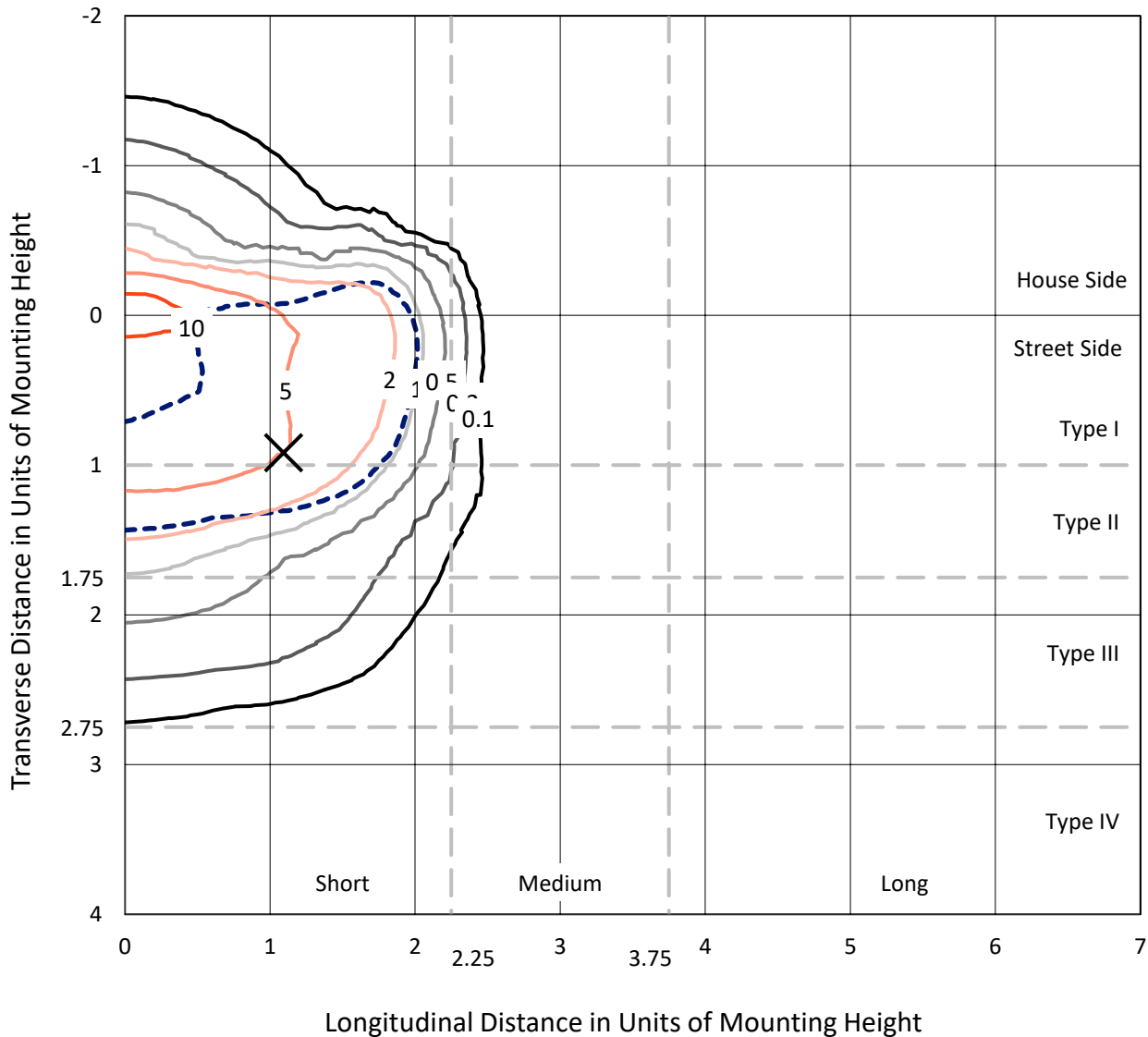
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

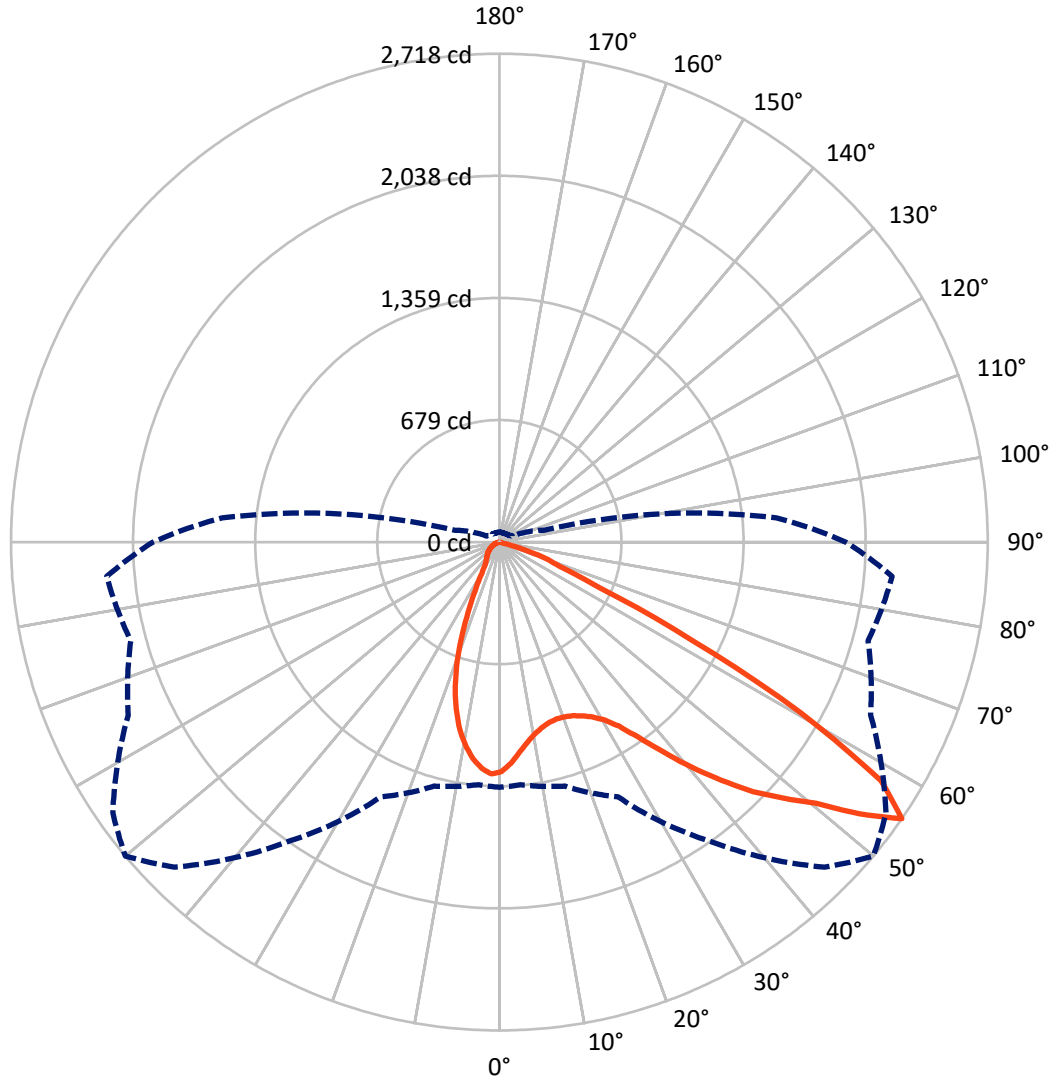
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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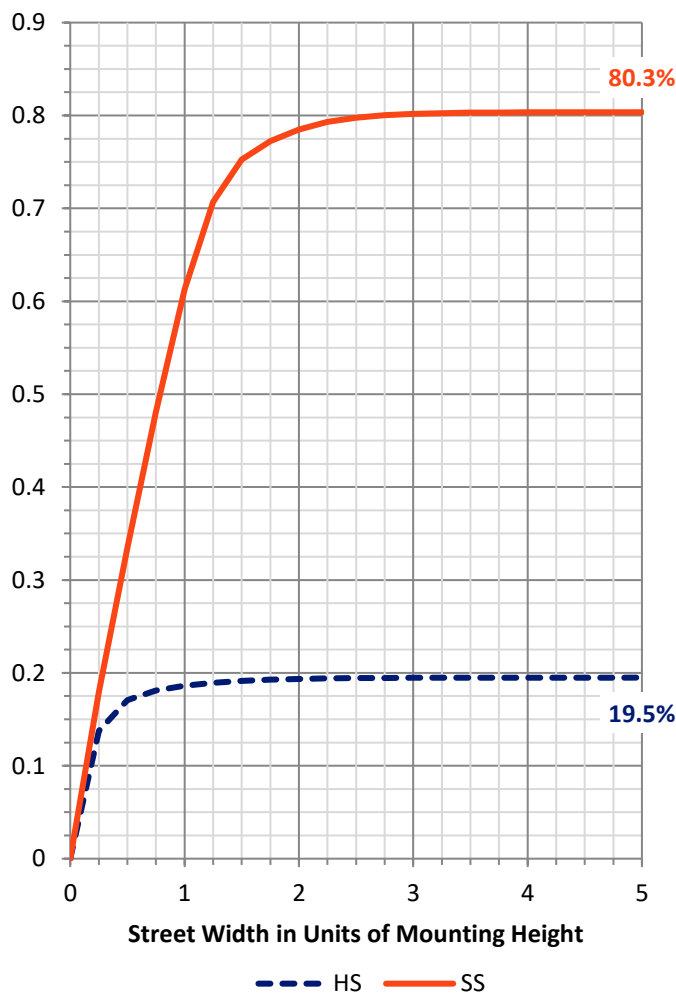
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	717.7	0.0	717.7
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2924.5	0.0	2924.5
	% Fixture	80.3	0.0	80.3
Total	Lumens	3642.2	0.0	3642.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	3.1
10°-20°	276.2	7.6
20°-30°	389.5	10.7
30°-40°	576.4	15.8
40°-50°	831.6	22.8
50°-60°	981.0	26.9
60°-70°	437.6	12.0
70°-80°	37.6	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°	3642.2	100.0
0°-180°	3642.2	100.0

Coefficient of Utilization



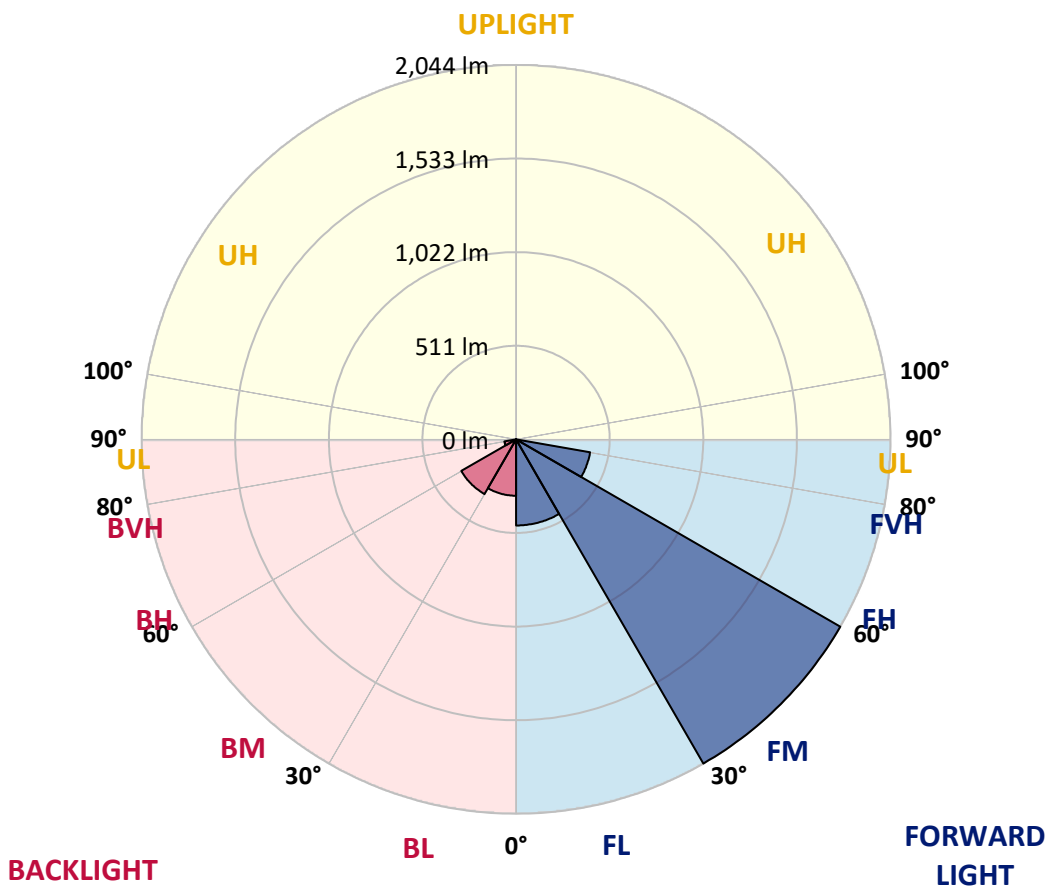
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.2	12.9			
FM (30°-60°)	2043.9	56.1			
FH (60°-80°)	410.4	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	307.7	8.4	B1/500		
BM (30°-60°)	345.2	9.5	B1/1000		
BH (60°-80°)	64.8	1.8	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°	50°	55°	65°	75°	85°
0°	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9
2.5°	1187.2	1188.1	1188.5	1200.5	1205.0	1222.8	1232.1	1237.0	1249.9	1265.0	1277.4
5°	1107.6	1106.3	1108.5	1123.6	1133.4	1159.6	1173.8	1183.6	1212.1	1247.7	1277.4
7.5°	1038.2	1040.9	1043.6	1060.0	1074.7	1103.1	1123.6	1138.3	1177.8	1230.8	1281.0
10°	989.3	989.3	993.3	1012.0	1029.3	1064.5	1084.9	1103.6	1150.7	1215.6	1285.0
12.5°	953.3	953.7	958.6	980.0	1000.0	1036.4	1057.8	1076.0	1128.0	1200.5	1285.9
15°	936.4	935.1	939.1	961.7	984.0	1018.2	1040.5	1058.2	1112.0	1192.1	1290.3
17.5°	932.0	931.1	934.2	956.4	979.1	1012.4	1034.2	1052.0	1109.8	1194.7	1303.7
20°	944.9	943.1	941.7	960.9	982.2	1015.1	1037.8	1057.8	1120.5	1209.4	1324.1
22.5°	975.5	975.5	972.4	981.8	996.0	1025.8	1049.3	1075.6	1148.5	1238.8	1354.4
25°	1032.0	1027.6	1021.8	1025.8	1024.0	1042.7	1070.7	1107.1	1201.4	1287.2	1391.3
27.5°	1096.5	1100.5	1090.7	1091.1	1075.6	1068.9	1101.4	1156.5	1280.1	1355.7	1446.0
30°	1184.1	1181.0	1181.4	1180.1	1144.1	1112.5	1147.6	1221.0	1379.3	1460.2	1517.1
32.5°	1252.5	1257.0	1271.7	1280.1	1233.0	1182.3	1219.6	1308.6	1492.2	1579.4	1604.2
35°	1325.0	1333.0	1362.8	1390.4	1350.8	1292.6	1332.6	1424.6	1598.5	1697.2	1704.3
37.5°	1401.5	1417.5	1453.1	1501.5	1495.3	1443.7	1480.2	1561.1	1682.1	1768.3	1787.0
40°	1489.1	1504.7	1562.9	1632.7	1647.4	1635.8	1647.8	1695.0	1737.2	1771.4	1822.6
42.5°	1585.1	1606.5	1680.3	1773.7	1828.8	1839.0	1811.0	1806.1	1761.2	1735.9	1815.0
45°	1698.5	1723.4	1807.0	1927.9	2015.5	2029.3	1980.9	1918.2	1776.3	1709.6	1792.3
47.5°	1825.7	1849.2	1932.4	2077.8	2208.1	2213.4	2128.9	2028.0	1821.2	1739.9	1809.7
50°	1868.4	1883.0	1955.1	2125.8	2365.9	2406.8	2284.5	2151.6	1911.5	1828.8	1894.2
52.5°	1721.6	1727.4	1790.1	1962.6	2333.9	2596.7	2511.8	2336.1	2072.0	1964.4	2024.4
55°	1364.1	1354.8	1405.5	1563.8	2028.4	2558.0	2717.6	2626.0	2278.8	2123.6	2193.8
57.5°	954.2	943.1	931.5	1038.7	1513.5	2168.5	2504.2	2666.5	2475.7	2281.4	2376.6
60°	784.3	773.7	717.6	668.3	915.1	1557.1	1923.5	2229.0	2459.7	2273.4	2370.8
62.5°	677.6	671.4	648.7	581.6	538.5	888.8	1204.5	1497.1	1887.5	1785.2	1790.6
65°	532.2	530.5	546.0	553.1	476.2	491.8	614.5	778.1	1020.4	962.2	912.4
67.5°	363.7	359.7	389.1	478.4	458.0	388.2	359.7	362.8	441.5	269.9	214.3
70°	231.2	221.9	222.3	296.6	372.6	306.4	277.5	244.1	219.7	40.0	45.4
72.5°	148.1	142.3	122.3	133.8	172.5	149.4	150.7	129.8	86.7	21.3	24.9
75°	62.2	57.4	44.0	35.1	34.7	21.8	19.1	17.8	12.0	12.0	12.9
77.5°	0.4	0.0	0.0	0.4	0.9	0.4	0.4	0.9	1.8	2.7	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9
2.5°	1285.0	1274.3	1286.3	1290.8	1290.3	1290.8	1277.9	1269.0	1268.5	1257.4	1252.1
5°	1289.9	1281.4	1290.3	1284.6	1270.8	1253.4	1230.3	1210.3	1201.4	1188.5	1182.3
7.5°	1299.2	1290.3	1289.0	1265.9	1231.6	1195.2	1154.3	1117.8	1098.3	1074.7	1076.0
10°	1305.9	1295.7	1278.3	1231.2	1174.3	1116.0	1055.1	1000.9	966.6	935.1	929.7
12.5°	1308.6	1293.4	1253.0	1181.8	1101.8	1025.8	936.4	859.0	805.7	764.3	758.6
15°	1313.5	1289.0	1220.5	1122.3	1012.4	904.8	791.0	685.2	614.5	566.9	570.9
17.5°	1321.0	1284.1	1184.1	1055.6	916.4	764.3	610.5	489.1	424.2	396.6	397.1
20°	1331.7	1278.3	1144.1	982.2	801.2	605.6	426.9	335.3	317.0	316.1	314.8
22.5°	1345.9	1272.6	1101.4	901.7	664.7	424.2	284.1	255.7	263.2	277.9	280.6
25°	1362.8	1265.4	1053.8	811.0	515.8	278.3	213.0	208.5	226.8	246.3	250.8
27.5°	1389.0	1261.9	999.5	707.9	361.9	199.6	174.3	177.0	193.4	209.9	213.9
30°	1433.5	1268.5	940.4	592.3	232.5	159.2	151.2	155.2	164.1	172.5	176.1
32.5°	1494.0	1288.1	883.0	466.0	165.8	138.3	136.5	138.7	142.3	147.2	148.5
35°	1564.7	1321.9	823.9	333.5	136.9	126.3	124.5	124.5	126.3	127.2	127.6
37.5°	1622.9	1357.5	768.3	221.9	122.7	116.9	114.3	112.9	112.5	113.4	113.8
40°	1648.3	1372.1	707.9	161.4	112.5	108.5	104.5	100.5	100.5	103.6	104.0
42.5°	1630.5	1355.7	638.1	133.4	105.4	99.6	93.4	89.8	91.6	94.7	95.6
45°	1592.7	1315.2	561.1	117.8	98.3	90.7	83.6	81.4	83.1	87.1	88.0
47.5°	1586.5	1288.6	469.1	107.6	90.7	83.1	75.6	73.4	75.6	78.7	79.6
50°	1648.3	1311.7	366.8	98.7	83.6	75.1	68.9	66.7	68.0	69.8	70.7
52.5°	1761.2	1397.5	296.1	90.3	75.1	67.1	63.1	60.5	60.5	62.2	62.7
55°	1927.9	1547.3	255.7	80.5	65.4	60.9	57.4	54.7	54.7	55.6	56.0
57.5°	2120.0	1728.7	265.0	67.6	57.4	55.1	52.0	49.8	50.7	50.7	50.7
60°	2093.4	1715.4	283.7	56.9	50.7	49.8	47.1	46.2	48.5	46.7	45.8
62.5°	1542.0	1185.0	148.5	46.7	43.6	42.7	40.9	42.7	45.8	40.9	39.1
65°	748.8	573.6	59.6	38.2	36.9	36.0	35.1	37.8	39.6	32.0	30.2
67.5°	176.1	143.2	38.7	32.5	30.7	28.9	29.8	30.2	28.9	21.8	20.9
70°	45.8	44.9	30.2	27.1	24.5	22.7	22.7	22.2	19.1	13.8	12.9
72.5°	24.9	24.5	21.8	20.5	16.9	15.1	15.6	13.8	10.7	8.0	7.6
75°	12.4	13.3	12.4	11.6	9.3	8.4	8.4	7.6	5.3	3.1	3.1
77.5°	2.7	3.1	3.1	2.7	2.2	1.8	1.8	2.2	0.9	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	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)