

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: P630274

Luminaire Tested: GWS-SA1D-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630274
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3511.8 lumens
Efficiency: N/A
Efficacy: 79.3 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

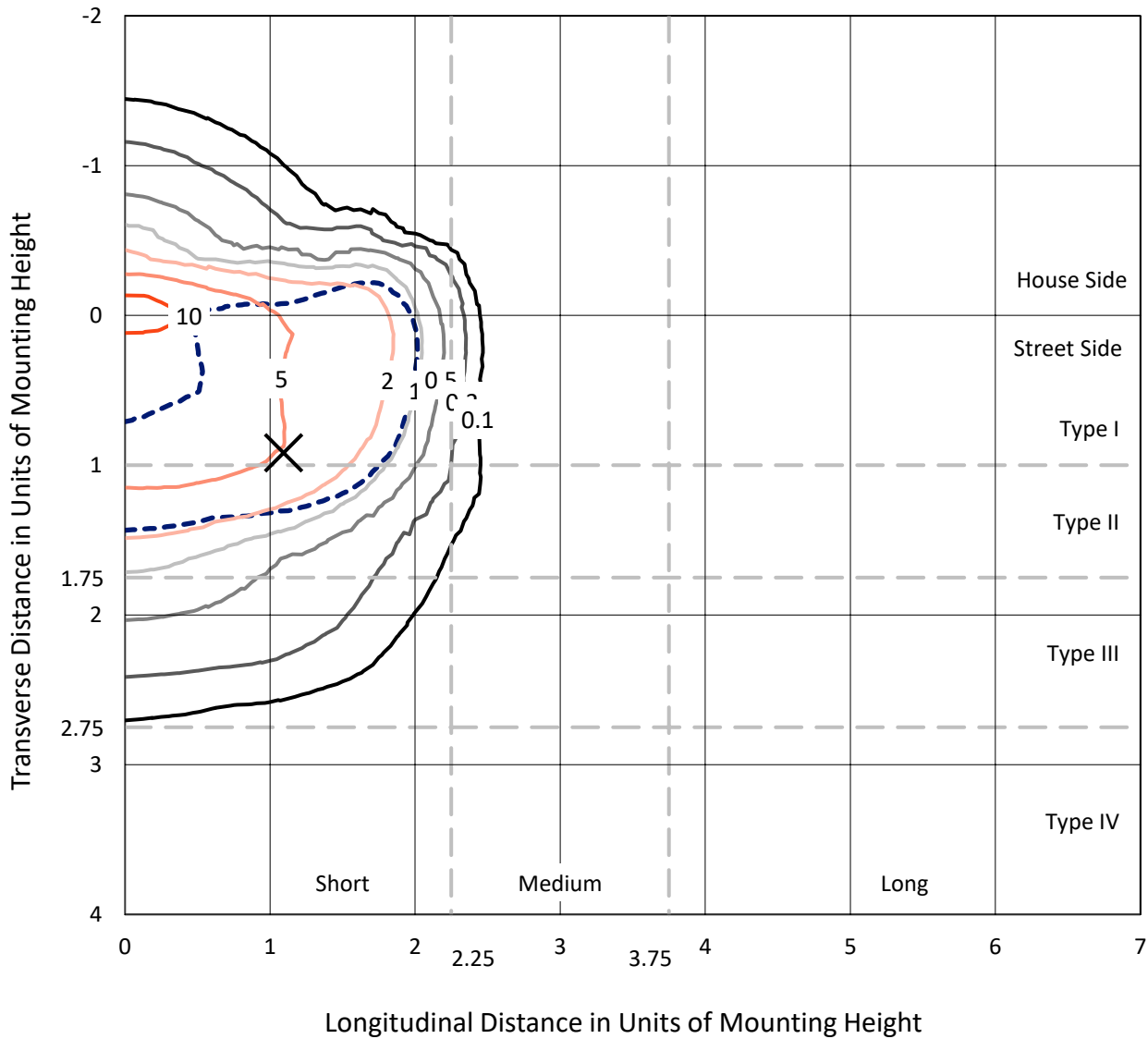
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

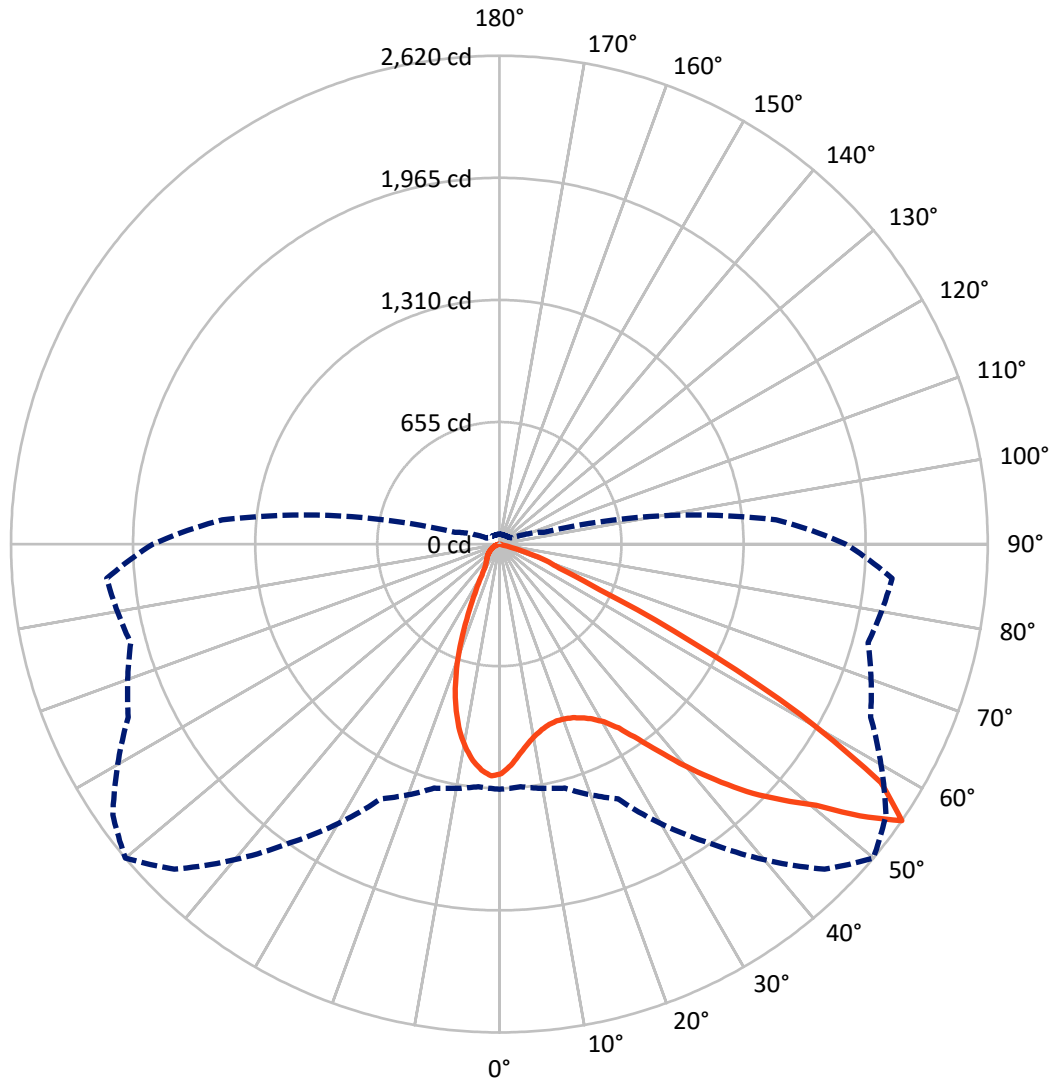
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 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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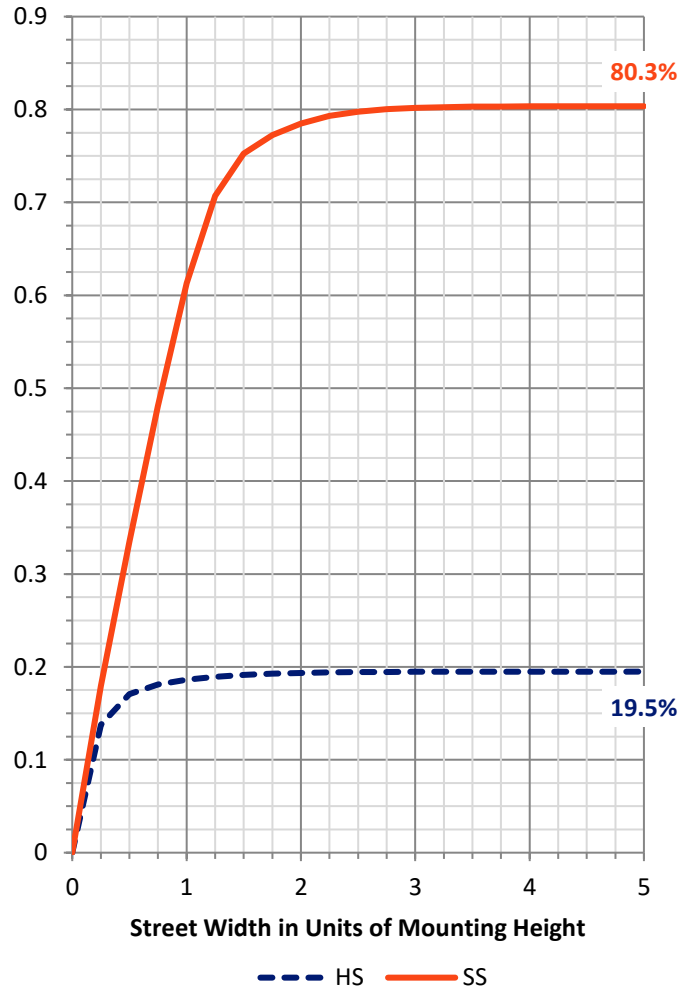
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	692.0	0.0	692.0
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2819.8	0.0	2819.8
	% Fixture	80.3	0.0	80.3
Total	Lumens	3511.8	0.0	3511.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	3.1
10°-20°	266.3	7.6
20°-30°	375.6	10.7
30°-40°	555.8	15.8
40°-50°	801.9	22.8
50°-60°	945.8	26.9
60°-70°	421.9	12.0
70°-80°	36.3	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°	3511.8	100.0
0°-180°	3511.8	100.0

Coefficient of Utilization



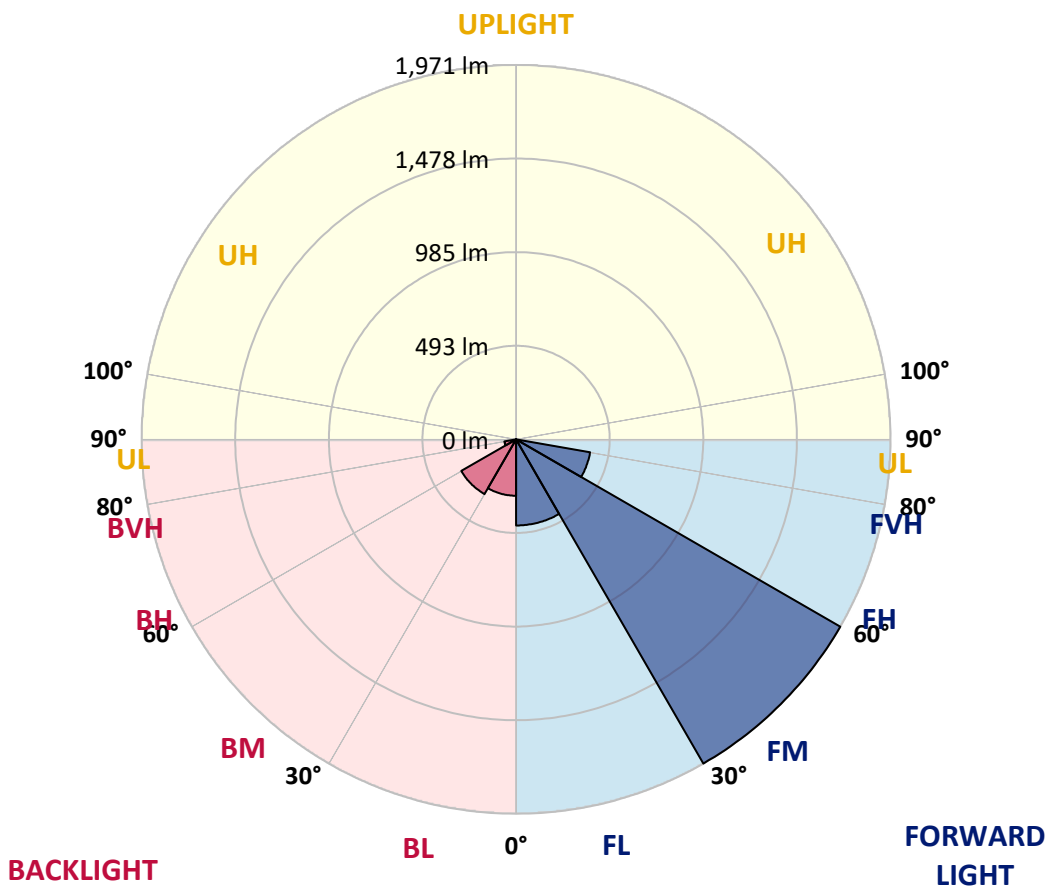
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	453.4	12.9			
FM (30°-60°)	1970.7	56.1			
FH (60°-80°)	395.7	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	296.7	8.4	B1/500		
BM (30°-60°)	332.8	9.5	B1/1000		
BH (60°-80°)	62.5	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°	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1
2.5°	1144.7	1145.5	1146.0	1157.5	1161.8	1179.0	1188.0	1192.7	1205.1	1219.7	1231.7
5°	1067.9	1066.6	1068.8	1083.4	1092.8	1118.1	1131.8	1141.2	1168.7	1203.0	1231.7
7.5°	1001.1	1003.6	1006.2	1022.1	1036.2	1063.6	1083.4	1097.5	1135.7	1186.7	1235.1
10°	953.9	953.9	957.8	975.8	992.5	1026.4	1046.1	1064.1	1109.5	1172.1	1239.0
12.5°	919.2	919.6	924.3	944.9	964.2	999.3	1019.9	1037.5	1087.7	1157.5	1239.9
15°	902.9	901.6	905.5	927.3	948.8	981.8	1003.2	1020.3	1072.2	1149.4	1244.1
17.5°	898.6	897.7	900.7	922.2	944.0	976.2	997.2	1014.3	1070.1	1152.0	1257.0
20°	911.0	909.3	908.0	926.5	947.0	978.8	1000.6	1019.9	1080.4	1166.1	1276.7
22.5°	940.6	940.6	937.6	946.6	960.3	989.1	1011.8	1037.1	1107.4	1194.4	1305.9
25°	995.1	990.8	985.2	989.1	987.3	1005.3	1032.4	1067.5	1158.4	1241.1	1341.5
27.5°	1057.2	1061.1	1051.6	1052.1	1037.1	1030.6	1061.9	1115.1	1234.3	1307.2	1394.2
30°	1141.7	1138.7	1139.1	1137.8	1103.1	1072.7	1106.5	1177.3	1329.9	1407.9	1462.8
32.5°	1207.7	1212.0	1226.1	1234.3	1188.8	1140.0	1176.0	1261.7	1438.8	1522.8	1546.8
35°	1277.6	1285.3	1314.0	1340.6	1302.4	1246.3	1284.9	1373.6	1541.2	1636.4	1643.3
37.5°	1351.3	1366.8	1401.0	1447.8	1441.8	1392.0	1427.2	1505.2	1621.8	1705.0	1723.0
40°	1435.8	1450.8	1506.9	1574.3	1588.4	1577.3	1588.8	1634.3	1675.0	1708.0	1757.3
42.5°	1528.4	1549.0	1620.1	1710.2	1763.3	1773.2	1746.2	1741.5	1698.2	1673.7	1750.0
45°	1637.7	1661.7	1742.3	1858.9	1943.4	1956.7	1909.9	1849.5	1712.7	1648.4	1728.2
47.5°	1760.3	1783.0	1863.2	2003.4	2129.0	2134.2	2052.7	1955.4	1756.0	1677.6	1744.9
50°	1801.5	1815.6	1885.1	2049.7	2281.2	2320.6	2202.8	2074.6	1843.1	1763.3	1826.3
52.5°	1660.0	1665.6	1726.0	1892.4	2250.3	2503.7	2421.8	2252.5	1997.8	1894.1	1952.0
55°	1315.3	1306.3	1355.2	1507.8	1955.8	2466.4	2620.3	2532.0	2197.2	2047.6	2115.3
57.5°	920.0	909.3	898.2	1001.5	1459.4	2090.9	2414.5	2571.0	2387.1	2199.8	2291.5
60°	756.3	746.0	692.0	644.4	882.3	1501.4	1854.6	2149.2	2371.7	2192.0	2285.9
62.5°	653.4	647.4	625.5	560.8	519.2	857.0	1161.4	1443.5	1819.9	1721.3	1726.4
65°	513.2	511.5	526.5	533.3	459.2	474.2	592.5	750.3	983.9	927.7	879.7
67.5°	350.7	346.8	375.1	461.3	441.6	374.3	346.8	349.8	425.7	260.2	206.6
70°	222.9	213.9	214.4	286.0	359.3	295.4	267.5	235.4	211.8	38.6	43.7
72.5°	142.8	137.2	117.9	129.0	166.3	144.0	145.3	125.2	83.6	20.6	24.0
75°	60.0	55.3	42.4	33.9	33.4	21.0	18.4	17.1	11.6	11.6	12.4
77.5°	0.4	0.0	0.0	0.4	0.9	0.4	0.4	0.9	1.7	2.6	3.0
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°	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1
2.5°	1239.0	1228.7	1240.3	1244.6	1244.1	1244.6	1232.1	1223.6	1223.1	1212.4	1207.3
5°	1243.7	1235.6	1244.1	1238.6	1225.3	1208.6	1186.3	1167.0	1158.4	1146.0	1140.0
7.5°	1252.7	1244.1	1242.9	1220.6	1187.5	1152.4	1113.0	1077.8	1058.9	1036.2	1037.5
10°	1259.1	1249.3	1232.6	1187.1	1132.2	1076.1	1017.3	965.0	932.0	901.6	896.4
12.5°	1261.7	1247.1	1208.1	1139.5	1062.4	989.1	902.9	828.3	776.8	737.0	731.4
15°	1266.4	1242.9	1176.8	1082.1	976.2	872.4	762.7	660.7	592.5	546.6	550.5
17.5°	1273.7	1238.1	1141.7	1017.8	883.6	737.0	588.6	471.6	409.0	382.4	382.8
20°	1284.0	1232.6	1103.1	947.0	772.5	583.9	411.6	323.3	305.7	304.8	303.5
22.5°	1297.7	1227.0	1061.9	869.4	640.9	409.0	274.0	246.5	253.8	267.9	270.5
25°	1314.0	1220.1	1016.1	782.0	497.3	268.4	205.4	201.1	218.6	237.5	241.8
27.5°	1339.3	1216.7	963.8	682.5	349.0	192.5	168.1	170.6	186.5	202.4	206.2
30°	1382.2	1223.1	906.7	571.1	224.2	153.5	145.8	149.6	158.2	166.3	169.8
32.5°	1440.5	1242.0	851.4	449.3	159.9	133.3	131.6	133.8	137.2	141.9	143.2
35°	1508.7	1274.6	794.4	321.5	132.0	121.8	120.0	120.0	121.8	122.6	123.0
37.5°	1564.8	1308.9	740.8	213.9	118.3	112.8	110.2	108.9	108.5	109.3	109.8
40°	1589.3	1323.0	682.5	155.6	108.5	104.6	100.7	96.9	96.9	99.9	100.3
42.5°	1572.1	1307.2	615.2	128.6	101.6	96.0	90.0	86.6	88.3	91.3	92.2
45°	1535.7	1268.1	541.0	113.6	94.7	87.5	80.6	78.5	80.2	84.0	84.9
47.5°	1529.7	1242.4	452.3	103.7	87.5	80.2	72.9	70.7	72.9	75.9	76.7
50°	1589.3	1264.7	353.7	95.2	80.6	72.5	66.5	64.3	65.6	67.3	68.2
52.5°	1698.2	1347.5	285.5	87.0	72.5	64.7	60.9	58.3	58.3	60.0	60.4
55°	1858.9	1491.9	246.5	77.6	63.0	58.7	55.3	52.7	52.7	53.6	54.0
57.5°	2044.1	1666.9	255.5	65.2	55.3	53.2	50.2	48.0	48.9	48.9	48.9
60°	2018.4	1654.0	273.5	54.9	48.9	48.0	45.4	44.6	46.7	45.0	44.2
62.5°	1486.8	1142.5	143.2	45.0	42.0	41.2	39.4	41.2	44.2	39.4	37.7
65°	722.0	553.0	57.4	36.9	35.6	34.7	33.9	36.4	38.2	30.9	29.2
67.5°	169.8	138.0	37.3	31.3	29.6	27.9	28.7	29.2	27.9	21.0	20.1
70°	44.2	43.3	29.2	26.2	23.6	21.9	21.9	21.4	18.4	13.3	12.4
72.5°	24.0	23.6	21.0	19.7	16.3	14.6	15.0	13.3	10.3	7.7	7.3
75°	12.0	12.9	12.0	11.1	9.0	8.1	8.1	7.3	5.1	3.0	3.0
77.5°	2.6	3.0	3.0	2.6	2.1	1.7	1.7	2.1	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)