

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: P630219

Luminaire Tested: GWS-SA1D-730-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630219
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3242.3 lumens
Efficiency: N/A
Efficacy: 73.2 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

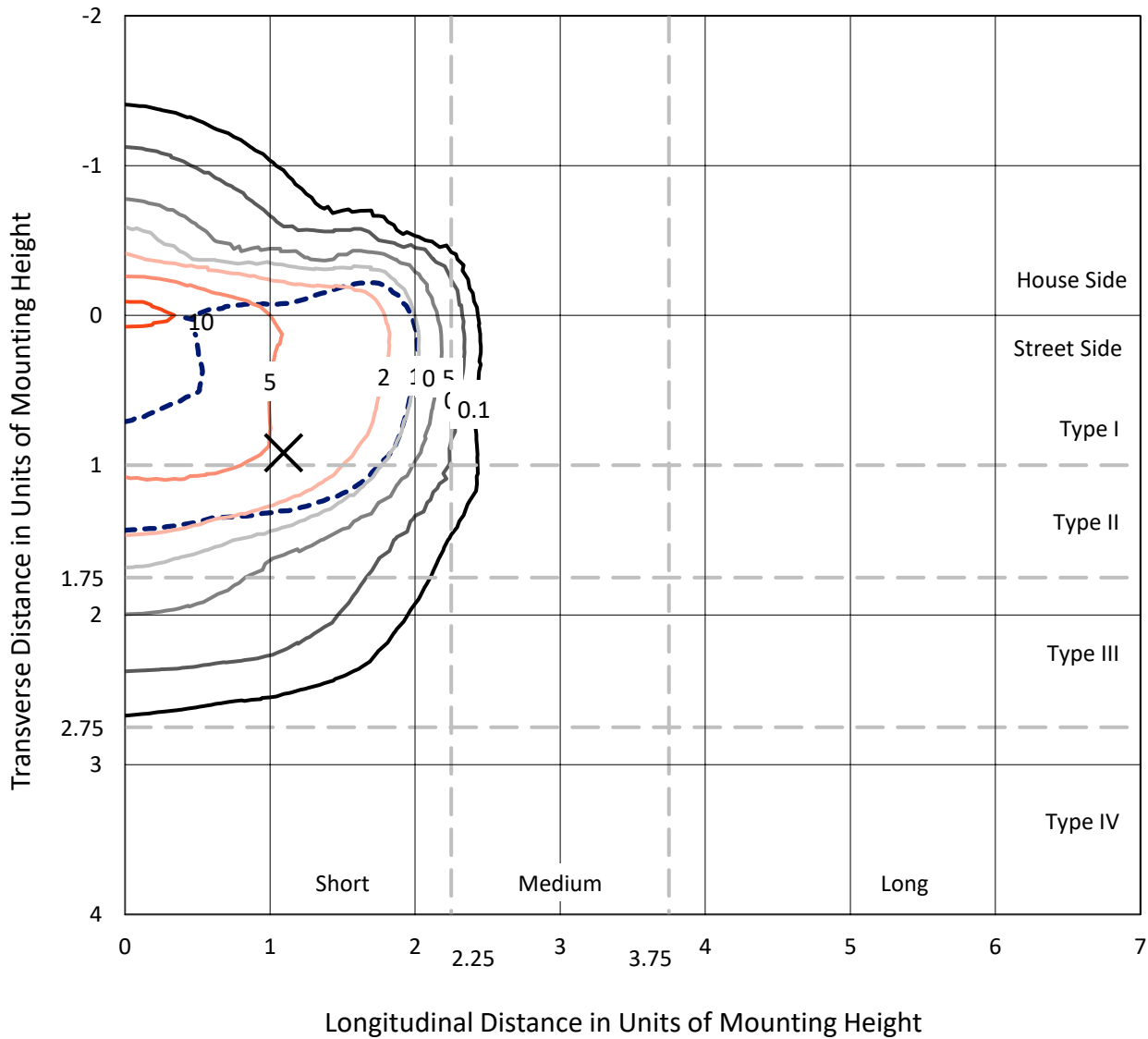
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

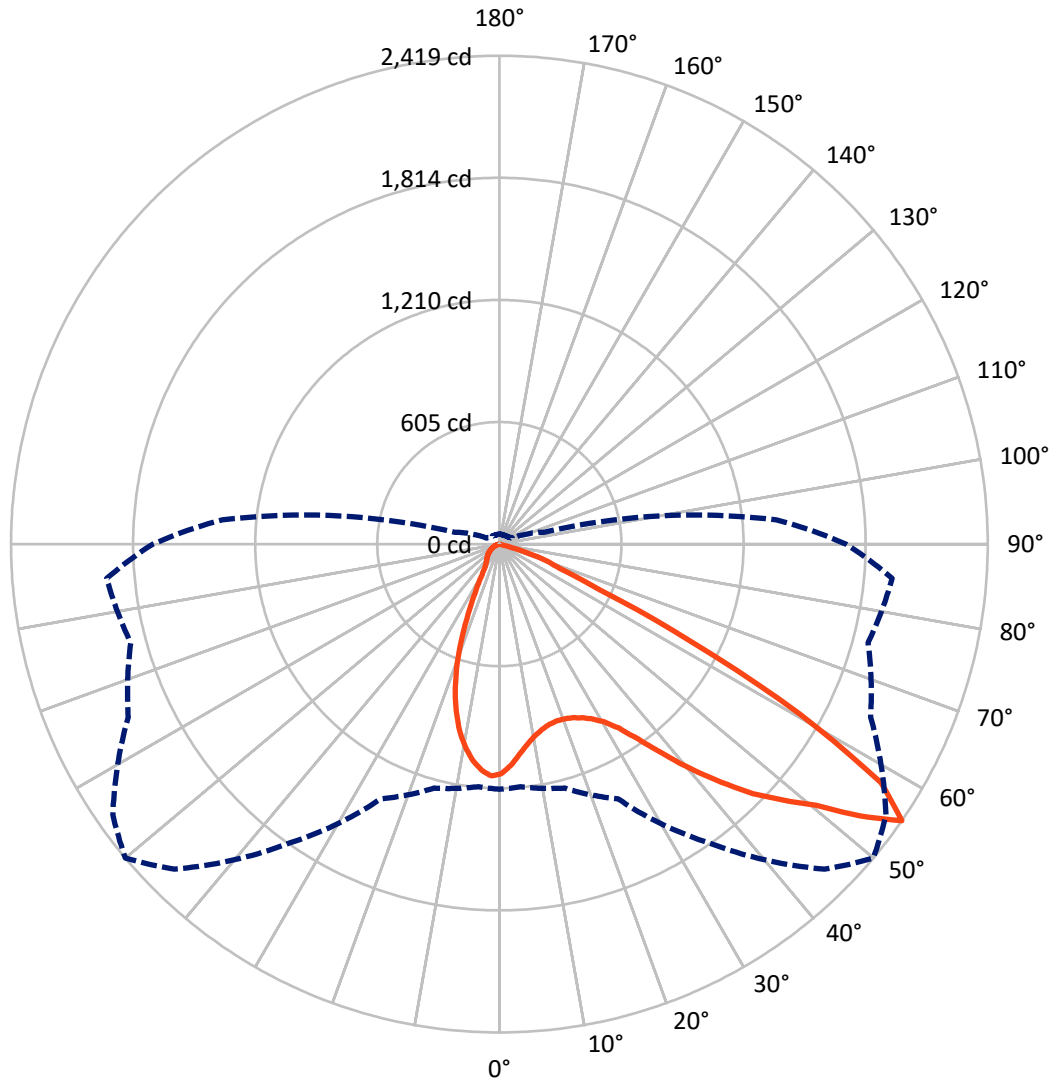
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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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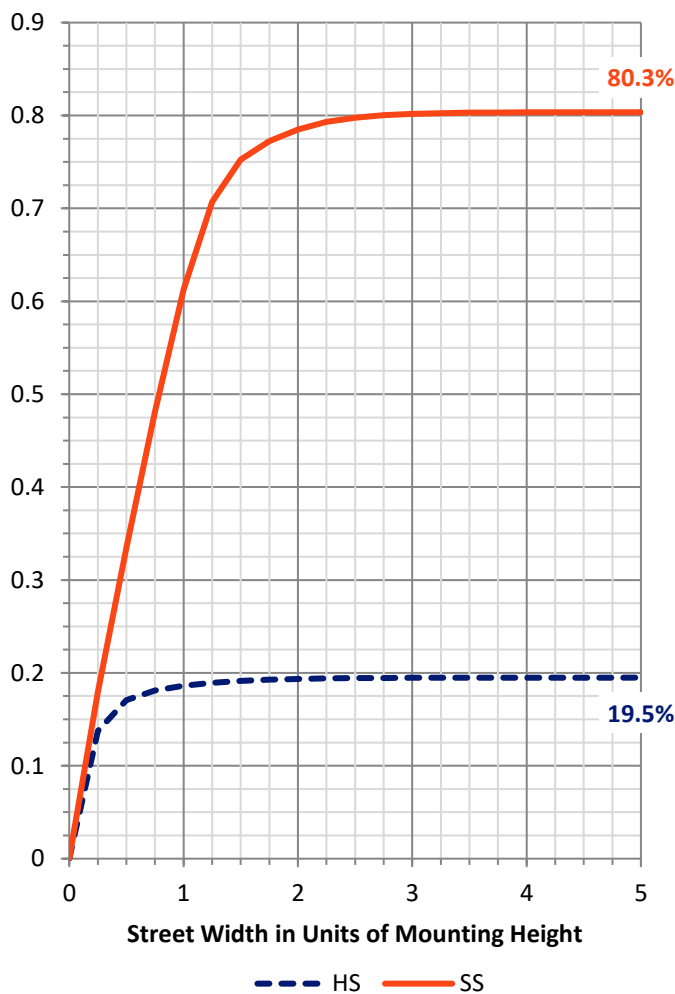
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	638.9	0.0	638.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2603.4	0.0	2603.4
	% Fixture	80.3	0.0	80.3
Total	Lumens	3242.3	0.0	3242.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	3.1
10°-20°	245.8	7.6
20°-30°	346.8	10.7
30°-40°	513.2	15.8
40°-50°	740.3	22.8
50°-60°	873.3	26.9
60°-70°	389.5	12.0
70°-80°	33.5	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°	3242.3	100.0
0°-180°	3242.3	100.0

Coefficient of Utilization

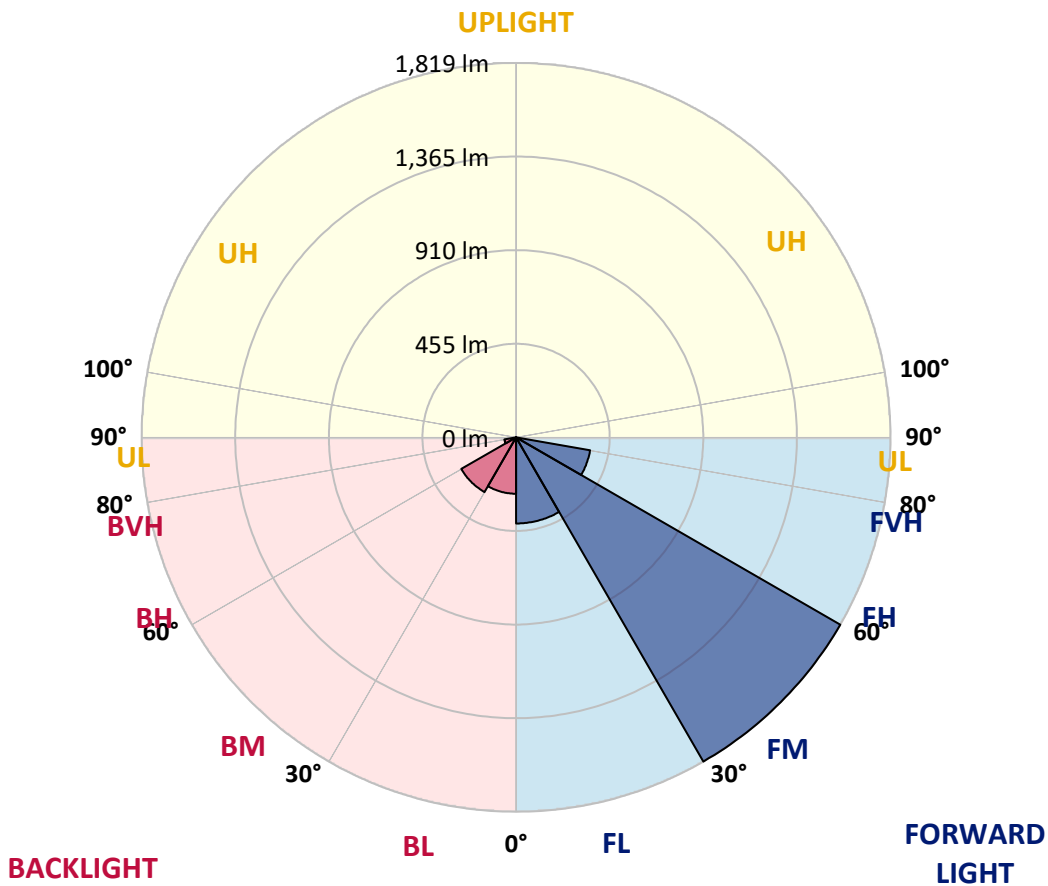


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.6	12.9			
FM (30°-60°)	1819.5	56.1			
FH (60°-80°)	365.3	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	273.9	8.4	B1/500		
BM (30°-60°)	307.3	9.5	B1/1000		
BH (60°-80°)	57.7	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°	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6
2.5°	1056.8	1057.6	1058.0	1068.7	1072.7	1088.5	1096.8	1101.2	1112.6	1126.1	1137.2
5°	986.0	984.8	986.8	1000.2	1008.9	1032.3	1045.0	1053.7	1079.0	1110.7	1137.2
7.5°	924.2	926.6	929.0	943.6	956.7	982.0	1000.2	1013.3	1048.5	1095.6	1140.3
10°	880.7	880.7	884.3	900.9	916.3	947.6	965.8	982.4	1024.4	1082.2	1143.9
12.5°	848.6	849.0	853.4	872.4	890.2	922.7	941.6	957.9	1004.2	1068.7	1144.7
15°	833.6	832.4	836.0	856.2	875.9	906.4	926.2	942.0	989.9	1061.2	1148.7
17.5°	829.6	828.8	831.6	851.4	871.6	901.3	920.7	936.5	988.0	1063.6	1160.5
20°	841.1	839.5	838.3	855.4	874.4	903.7	923.8	941.6	997.5	1076.6	1178.7
22.5°	868.4	868.4	865.7	874.0	886.6	913.2	934.1	957.5	1022.4	1102.7	1205.7
25°	918.7	914.7	909.6	913.2	911.6	928.2	953.1	985.6	1069.5	1145.9	1238.5
27.5°	976.1	979.6	970.9	971.3	957.5	951.5	980.4	1029.5	1139.6	1206.8	1287.2
30°	1054.1	1051.3	1051.7	1050.5	1018.4	990.3	1021.6	1086.9	1227.8	1299.9	1350.5
32.5°	1115.0	1119.0	1132.0	1139.6	1097.6	1052.5	1085.7	1164.9	1328.4	1405.9	1428.1
35°	1179.5	1186.7	1213.2	1237.7	1202.5	1150.6	1186.3	1268.2	1423.0	1510.8	1517.2
37.5°	1247.6	1261.9	1293.5	1336.7	1331.1	1285.2	1317.7	1389.7	1497.4	1574.2	1590.8
40°	1325.6	1339.4	1391.3	1453.4	1466.5	1456.2	1466.9	1508.9	1546.5	1576.9	1622.5
42.5°	1411.1	1430.1	1495.8	1578.9	1628.0	1637.1	1612.2	1607.8	1567.8	1545.3	1615.7
45°	1512.0	1534.2	1608.6	1716.3	1794.2	1806.5	1763.4	1707.6	1581.3	1521.9	1595.5
47.5°	1625.2	1646.2	1720.2	1849.7	1965.6	1970.4	1895.2	1805.3	1621.3	1548.8	1611.0
50°	1663.2	1676.3	1740.4	1892.4	2106.1	2142.6	2033.7	1915.4	1701.6	1628.0	1686.2
52.5°	1532.6	1537.8	1593.6	1747.1	2077.6	2311.6	2236.0	2079.6	1844.5	1748.7	1802.2
55°	1214.4	1206.1	1251.2	1392.1	1805.7	2277.1	2419.2	2337.7	2028.6	1890.4	1953.0
57.5°	849.4	839.5	829.2	924.6	1347.4	1930.4	2229.2	2373.7	2203.9	2030.9	2115.6
60°	698.2	688.7	638.8	594.9	814.6	1386.2	1712.3	1984.2	2189.7	2023.8	2110.5
62.5°	603.2	597.7	577.5	517.7	479.3	791.2	1072.3	1332.7	1680.2	1589.2	1594.0
65°	473.8	472.2	486.1	492.4	423.9	437.8	547.0	692.7	908.4	856.5	812.2
67.5°	323.8	320.2	346.3	425.9	407.7	345.5	320.2	323.0	393.0	240.3	190.8
70°	205.8	197.5	197.9	264.0	331.7	272.7	247.0	217.3	195.5	35.6	40.4
72.5°	131.8	126.7	108.8	119.1	153.6	133.0	134.2	115.6	77.2	19.0	22.2
75°	55.4	51.1	39.2	31.3	30.9	19.4	17.0	15.8	10.7	10.7	11.5
77.5°	0.4	0.0	0.0	0.4	0.8	0.4	0.4	0.8	1.6	2.4	2.8
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°	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6	1137.6
2.5°	1143.9	1134.4	1145.1	1149.1	1148.7	1149.1	1137.6	1129.7	1129.3	1119.4	1114.6
5°	1148.3	1140.7	1148.7	1143.5	1131.2	1115.8	1095.2	1077.4	1069.5	1058.0	1052.5
7.5°	1156.6	1148.7	1147.5	1126.9	1096.4	1064.0	1027.5	995.1	977.7	956.7	957.9
10°	1162.5	1153.4	1138.0	1096.0	1045.4	993.5	939.3	891.0	860.5	832.4	827.7
12.5°	1164.9	1151.4	1115.4	1052.1	980.8	913.2	833.6	764.7	717.2	680.4	675.3
15°	1169.2	1147.5	1086.5	999.0	901.3	805.5	704.2	610.0	547.0	504.7	508.2
17.5°	1176.0	1143.1	1054.1	939.7	815.8	680.4	543.5	435.4	377.6	353.1	353.5
20°	1185.5	1138.0	1018.4	874.4	713.3	539.1	380.0	298.4	282.2	281.4	280.2
22.5°	1198.1	1132.8	980.4	802.7	591.7	377.6	252.9	227.6	234.3	247.4	249.8
25°	1213.2	1126.5	938.1	722.0	459.1	247.8	189.6	185.6	201.9	219.3	223.2
27.5°	1236.5	1123.3	889.8	630.1	322.2	177.7	155.2	157.5	172.2	186.8	190.4
30°	1276.1	1129.3	837.2	527.2	207.0	141.7	134.6	138.1	146.1	153.6	156.7
32.5°	1329.9	1146.7	786.1	414.8	147.6	123.1	121.5	123.5	126.7	131.0	132.2
35°	1392.9	1176.8	733.4	296.9	121.9	112.4	110.8	110.8	112.4	113.2	113.6
37.5°	1444.7	1208.4	684.0	197.5	109.2	104.1	101.7	100.5	100.1	100.9	101.3
40°	1467.3	1221.5	630.1	143.7	100.1	96.6	93.0	89.5	89.5	92.2	92.6
42.5°	1451.5	1206.8	568.0	118.7	93.8	88.7	83.1	80.0	81.5	84.3	85.1
45°	1417.8	1170.8	499.5	104.9	87.5	80.7	74.4	72.4	74.0	77.6	78.4
47.5°	1412.3	1147.1	417.6	95.8	80.7	74.0	67.3	65.3	67.3	70.1	70.9
50°	1467.3	1167.7	326.5	87.9	74.4	66.9	61.4	59.4	60.6	62.1	62.9
52.5°	1567.8	1244.1	263.6	80.4	66.9	59.8	56.2	53.8	53.8	55.4	55.8
55°	1716.3	1377.4	227.6	71.6	58.2	54.2	51.1	48.7	48.7	49.5	49.9
57.5°	1887.3	1538.9	235.9	60.2	51.1	49.1	46.3	44.3	45.1	45.1	45.1
60°	1863.5	1527.1	252.5	50.7	45.1	44.3	42.0	41.2	43.1	41.6	40.8
62.5°	1372.7	1054.9	132.2	41.6	38.8	38.0	36.4	38.0	40.8	36.4	34.8
65°	666.6	510.6	53.0	34.0	32.9	32.1	31.3	33.6	35.2	28.5	26.9
67.5°	156.7	127.5	34.4	28.9	27.3	25.7	26.5	26.9	25.7	19.4	18.6
70°	40.8	40.0	26.9	24.1	21.8	20.2	20.2	19.8	17.0	12.3	11.5
72.5°	22.2	21.8	19.4	18.2	15.0	13.5	13.9	12.3	9.5	7.1	6.7
75°	11.1	11.9	11.1	10.3	8.3	7.5	7.5	6.7	4.7	2.8	2.8
77.5°	2.4	2.8	2.8	2.4	2.0	1.6	1.6	2.0	0.8	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)