

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: P630137

Luminaire Tested: GWS-SA1D-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812.2 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

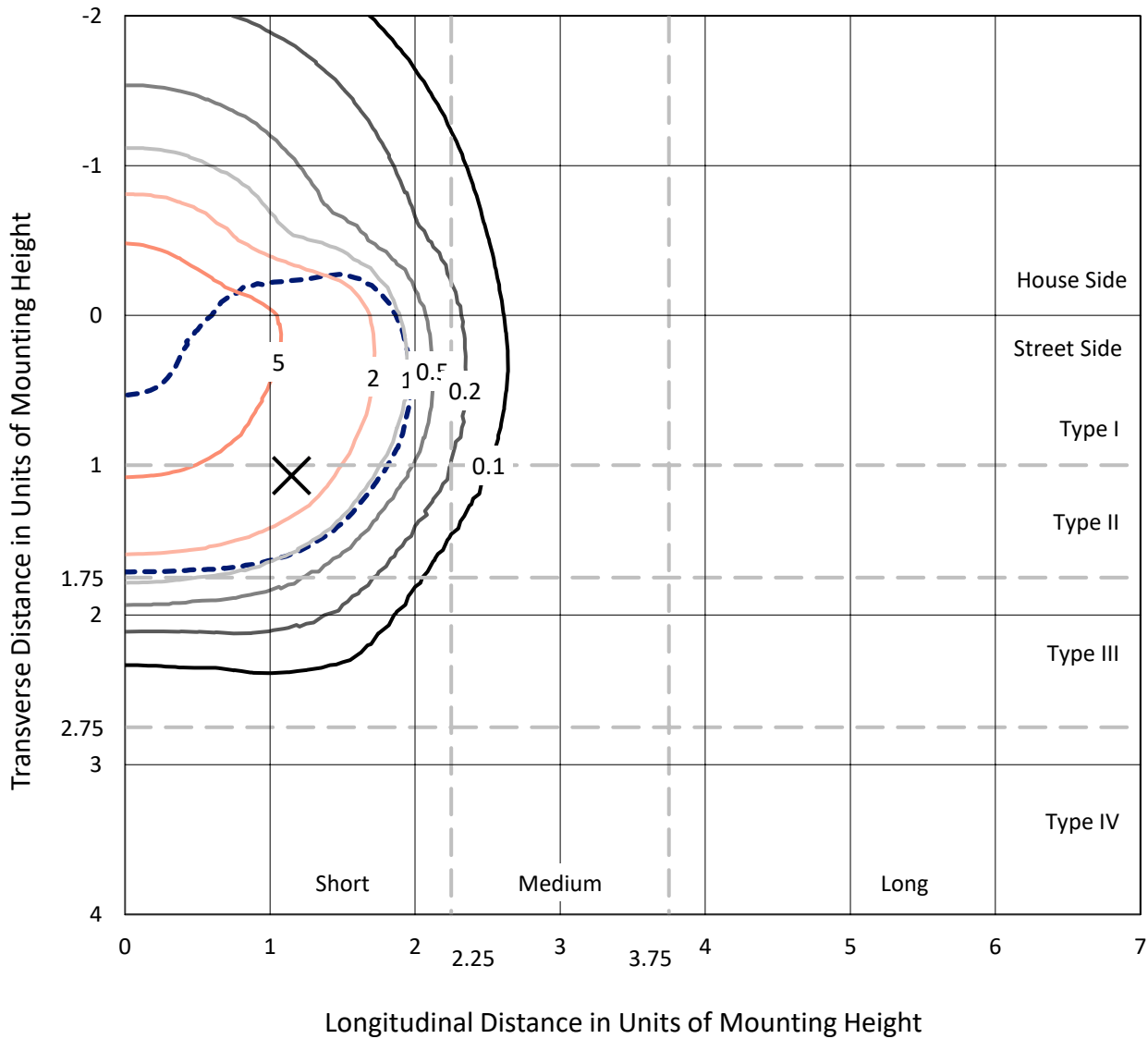
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

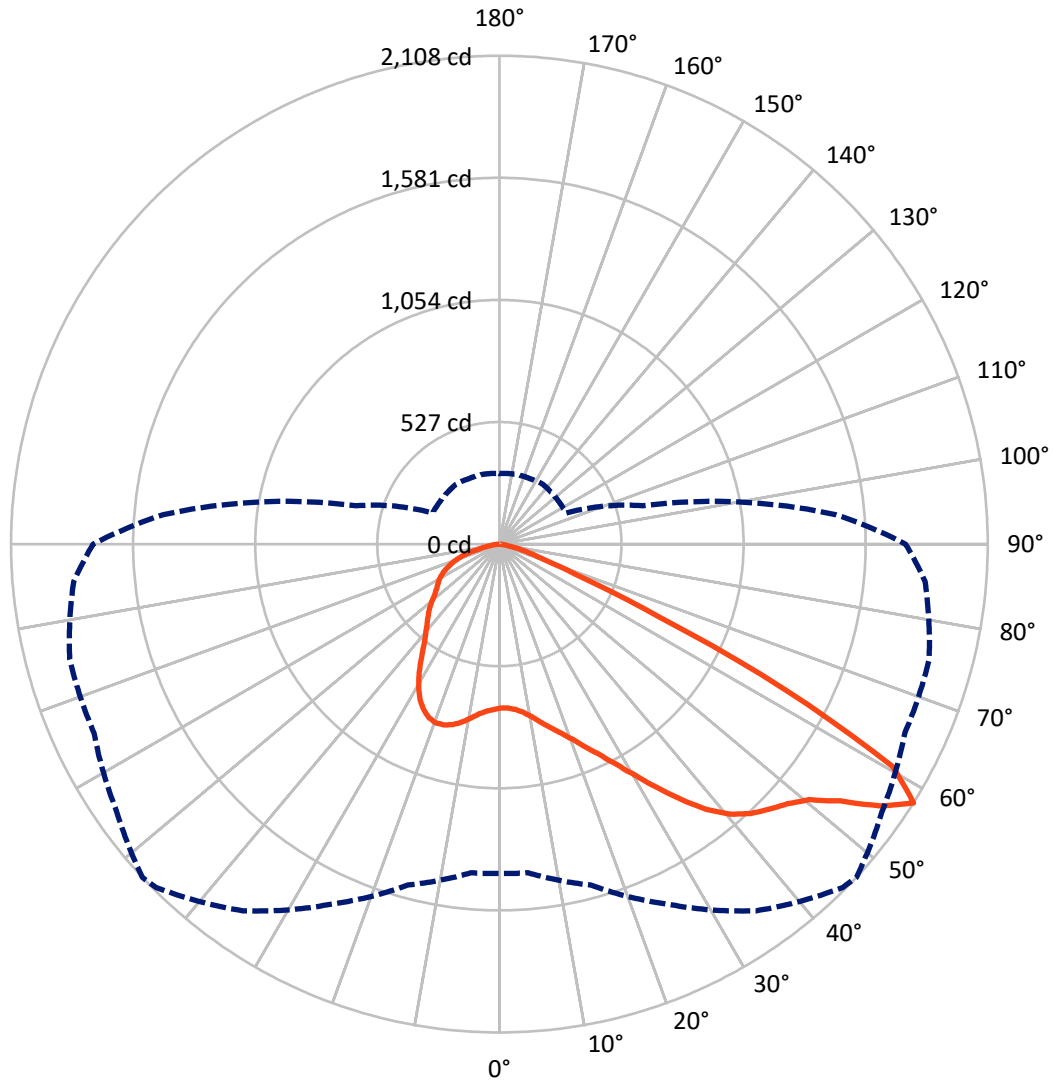
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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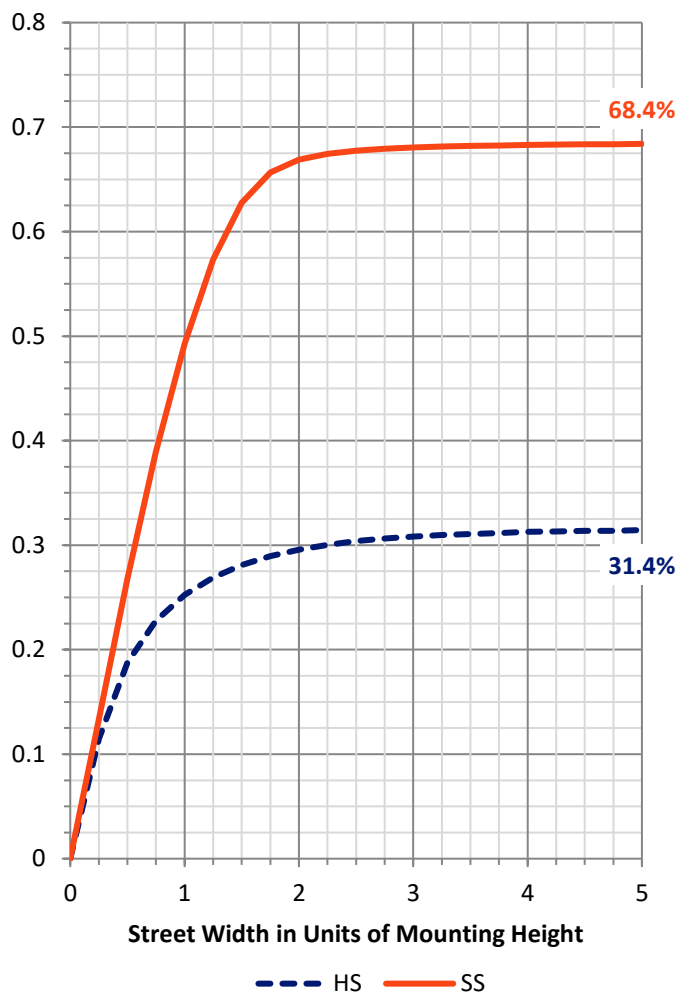
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1206.5	0.0	1206.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2605.6	0.0	2605.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	3812.2	0.0	3812.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	1.8
10°-20°	229.3	6.0
20°-30°	413.0	10.8
30°-40°	623.7	16.4
40°-50°	839.9	22.0
50°-60°	1009.3	26.5
60°-70°	491.5	12.9
70°-80°	121.1	3.2
80°-90°	14.6	0.4
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°	3812.2	100.0
0°-180°	3812.2	100.0

Coefficient of Utilization



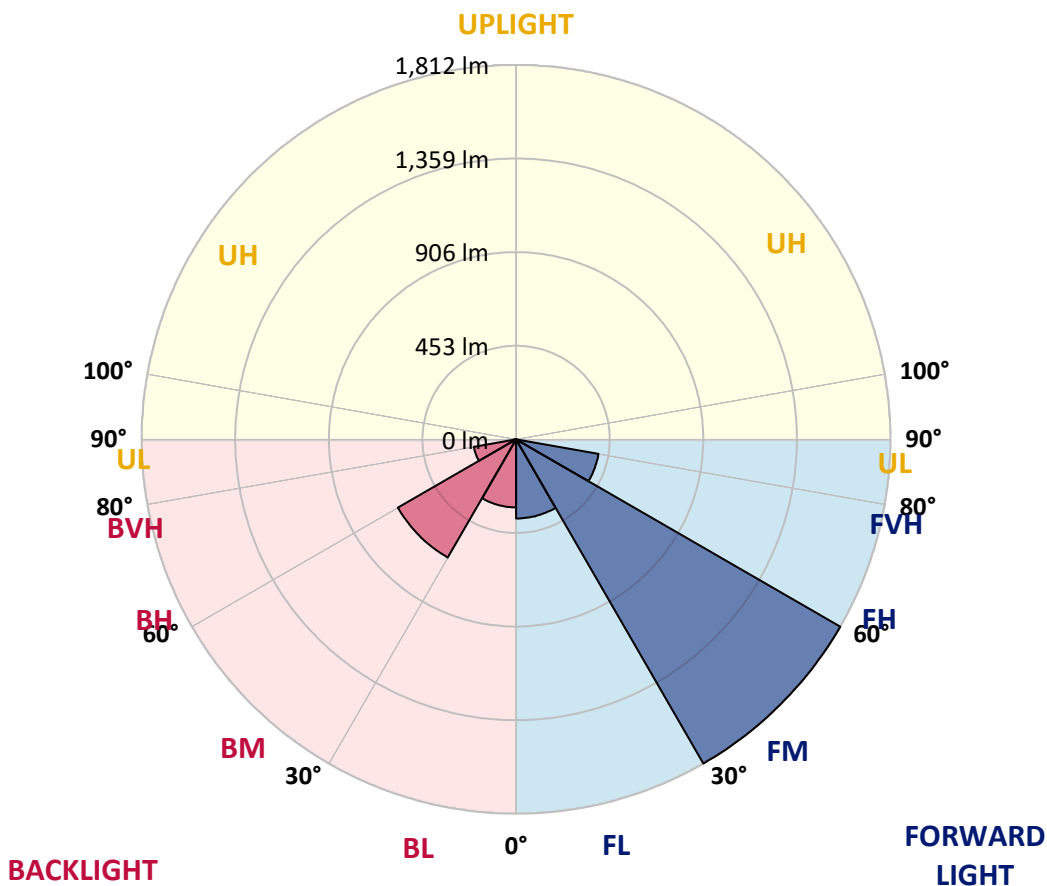
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.9	10.0			
FM (30°-60°)	1812.1	47.5			
FH (60°-80°)	405.1	10.6			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	329.1	8.6	B1/500		
BM (30°-60°)	660.8	17.3	B1/1000		
BH (60°-80°)	207.5	5.4	B1/500		G1/500
BVH (80°-90°)	9.1	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	707.0	707.0	707.0	707.0	707.0	707.0	707.0	707.0	707.0	707.0	707.0
2.5°	705.7	705.4	705.4	707.3	707.3	707.9	708.9	709.9	710.2	708.6	705.1
5°	713.4	713.4	713.4	715.0	715.0	715.6	716.9	717.2	716.9	714.3	710.8
7.5°	725.5	725.5	725.9	727.8	729.4	730.4	732.6	732.3	731.3	727.1	722.7
10°	745.4	746.4	747.3	749.6	752.8	755.0	756.6	756.6	755.3	748.9	743.2
12.5°	773.6	774.9	775.8	777.7	780.3	784.1	787.7	787.7	786.1	778.1	769.4
15°	806.6	807.8	807.5	808.2	813.0	818.4	821.3	823.2	823.8	812.6	799.2
17.5°	844.3	845.6	844.3	842.4	843.1	851.7	856.8	863.9	868.0	853.0	831.5
20°	878.6	877.3	877.3	878.6	880.5	891.1	898.8	910.3	915.4	897.2	863.9
22.5°	914.8	917.7	916.4	916.4	924.1	941.7	951.0	966.0	971.5	947.8	902.9
25°	961.5	964.1	963.4	964.1	973.1	998.0	1007.3	1035.2	1040.6	1006.7	946.2
27.5°	1012.8	1016.9	1018.8	1018.2	1032.6	1065.3	1076.8	1115.5	1125.5	1072.6	992.3
30°	1079.4	1083.8	1085.4	1084.8	1101.8	1146.3	1159.4	1203.6	1217.7	1150.8	1050.9
32.5°	1156.5	1161.0	1165.8	1167.7	1189.5	1235.0	1253.9	1299.6	1319.8	1241.1	1121.6
35°	1233.0	1236.9	1246.2	1261.2	1291.0	1337.4	1354.1	1399.2	1418.8	1334.9	1207.1
37.5°	1317.6	1320.1	1328.1	1349.0	1391.9	1436.0	1452.7	1495.9	1498.2	1425.5	1303.8
40°	1410.1	1410.1	1408.5	1429.0	1473.8	1518.3	1532.7	1557.7	1544.6	1495.3	1397.9
42.5°	1488.6	1487.3	1488.6	1507.8	1541.1	1577.3	1589.7	1584.9	1568.3	1548.8	1483.1
45°	1559.3	1560.3	1571.8	1586.5	1603.8	1625.3	1632.6	1605.4	1590.4	1591.7	1551.3
47.5°	1607.4	1608.3	1635.2	1659.9	1670.4	1677.2	1673.9	1636.2	1628.5	1642.9	1603.8
50°	1613.8	1618.9	1665.3	1715.9	1742.2	1743.1	1734.1	1688.0	1685.8	1702.1	1632.0
52.5°	1615.0	1620.2	1678.1	1769.4	1837.6	1852.0	1841.7	1793.7	1770.3	1754.0	1666.6
55°	1610.2	1616.0	1680.0	1805.2	1935.9	1993.5	1994.5	1926.6	1852.0	1841.1	1765.2
57.5°	1421.6	1423.9	1523.1	1714.0	1932.0	2095.3	2107.8	2015.6	1930.4	1920.2	1844.3
60°	990.3	999.3	1107.2	1359.2	1623.0	1910.9	1951.2	1924.3	1867.3	1792.7	1582.4
62.5°	496.0	503.7	611.9	850.1	1119.4	1346.7	1389.9	1418.4	1431.9	1351.8	1077.4
65°	213.6	219.3	286.6	444.1	633.7	743.5	758.5	792.8	876.7	782.2	580.5
67.5°	142.8	146.6	180.9	270.9	373.3	380.4	378.1	385.5	403.8	333.3	262.2
70°	109.5	112.7	135.8	198.5	268.3	229.6	217.4	197.2	214.2	218.4	212.6
72.5°	79.4	82.0	99.3	135.4	168.1	146.6	144.7	155.0	178.0	184.4	180.9
75°	51.2	52.5	63.1	74.3	86.8	94.1	98.0	116.5	139.9	144.7	140.6
77.5°	34.3	35.2	41.3	47.7	49.3	49.6	50.9	59.2	75.2	84.2	83.2
80°	17.9	17.9	20.2	20.2	23.1	27.5	28.8	34.3	41.6	46.1	46.4
82.5°	7.0	7.4	8.6	9.6	11.5	14.1	15.0	17.9	21.8	25.0	27.9
85°	2.9	3.2	3.5	4.2	5.1	6.4	6.7	7.7	10.2	12.8	14.4
87.5°	0.0	0.0	0.3	0.3	0.6	1.0	1.0	1.3	1.6	2.9	3.8
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°	707.0	707.0	707.0	707.0	707.0	707.0	707.0	707.0	707.0	707.0	707.0
2.5°	709.2	705.1	709.2	710.5	714.0	715.3	713.1	712.7	712.7	709.5	708.6
5°	714.0	710.2	714.3	716.3	721.4	724.6	725.2	727.8	729.4	728.1	727.8
7.5°	725.9	721.1	725.5	728.4	735.2	740.3	742.5	748.3	752.4	751.8	751.5
10°	746.7	740.3	745.4	750.2	757.6	763.7	764.0	767.2	771.3	770.1	769.4
12.5°	770.7	764.6	770.4	775.2	783.8	786.4	782.2	780.9	781.6	780.0	778.7
15°	800.2	791.5	796.6	802.1	806.9	804.0	795.0	791.5	791.2	788.9	787.7
17.5°	829.6	818.7	822.6	825.4	823.2	814.2	803.0	797.0	794.1	789.6	788.3
20°	858.7	845.0	844.3	842.1	831.9	815.5	800.5	788.3	780.9	774.9	772.6
22.5°	892.0	872.8	863.2	853.0	830.6	804.0	781.3	764.0	752.1	744.4	741.9
25°	927.9	900.7	880.8	860.3	817.8	779.3	747.6	723.9	709.9	701.5	698.7
27.5°	963.4	926.0	896.2	861.3	792.1	743.8	701.2	669.2	655.1	648.4	646.1
30°	1011.5	959.6	914.5	848.8	758.5	694.5	641.3	609.0	599.7	594.9	593.0
32.5°	1066.9	1002.2	938.8	822.6	715.6	636.9	580.8	558.4	552.0	542.7	542.4
35°	1139.9	1063.0	961.8	783.8	661.5	575.1	534.4	518.4	506.9	492.1	490.9
37.5°	1225.0	1138.9	974.3	734.5	598.4	524.1	499.8	481.9	463.3	443.8	441.2
40°	1313.1	1227.6	975.3	676.2	536.6	490.5	470.0	446.7	423.6	401.8	399.0
42.5°	1405.6	1310.2	958.3	609.0	486.0	461.4	440.6	411.1	385.2	370.5	368.9
45°	1488.2	1376.8	919.9	538.2	448.6	437.1	410.5	378.8	365.0	354.4	352.2
47.5°	1553.2	1421.0	868.0	474.8	418.2	412.1	377.5	361.2	350.6	341.0	338.8
50°	1585.3	1430.9	800.5	423.3	390.0	382.6	358.9	346.4	339.4	331.7	329.8
52.5°	1625.0	1442.1	742.2	380.1	362.5	352.5	343.6	333.6	328.5	323.7	322.1
55°	1716.2	1484.4	711.5	345.5	336.2	331.7	330.4	322.1	320.5	317.3	314.4
57.5°	1753.4	1457.2	638.8	317.3	315.4	316.0	319.2	311.5	309.9	306.1	304.2
60°	1410.1	1101.5	432.6	293.0	298.1	302.3	305.5	297.8	295.5	294.9	292.3
62.5°	903.6	677.5	301.9	270.2	277.9	283.0	285.0	277.6	276.0	281.1	281.4
65°	470.4	369.2	244.9	245.9	252.3	260.0	263.8	261.3	260.6	266.1	266.4
67.5°	240.1	225.7	213.6	217.1	222.2	232.1	241.1	252.3	256.2	256.8	257.1
70°	204.6	198.2	192.1	194.4	199.8	205.2	213.9	219.3	212.9	211.3	210.7
72.5°	174.2	169.4	166.5	169.1	171.9	171.0	168.4	171.0	171.9	172.3	172.6
75°	135.4	131.9	129.7	130.0	130.0	126.5	121.7	118.8	115.6	113.0	113.0
77.5°	82.9	83.6	85.8	85.5	85.2	83.9	79.1	76.5	68.8	66.6	66.6
80°	47.4	48.3	50.6	51.2	51.2	49.6	44.8	41.9	38.4	36.8	36.5
82.5°	28.8	30.1	31.4	32.0	32.3	30.4	26.3	24.0	22.1	20.5	20.5
85°	15.0	15.7	17.0	17.3	16.3	14.4	12.2	11.2	9.3	9.0	9.0
87.5°	4.2	4.5	5.1	4.2	3.8	2.9	1.6	1.3	0.6	0.3	0.3
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)