

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: P630577

Luminaire Tested: GWS-SA1D-830-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630577
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4111.3 lumens
Efficiency: N/A
Efficacy: 92.8 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

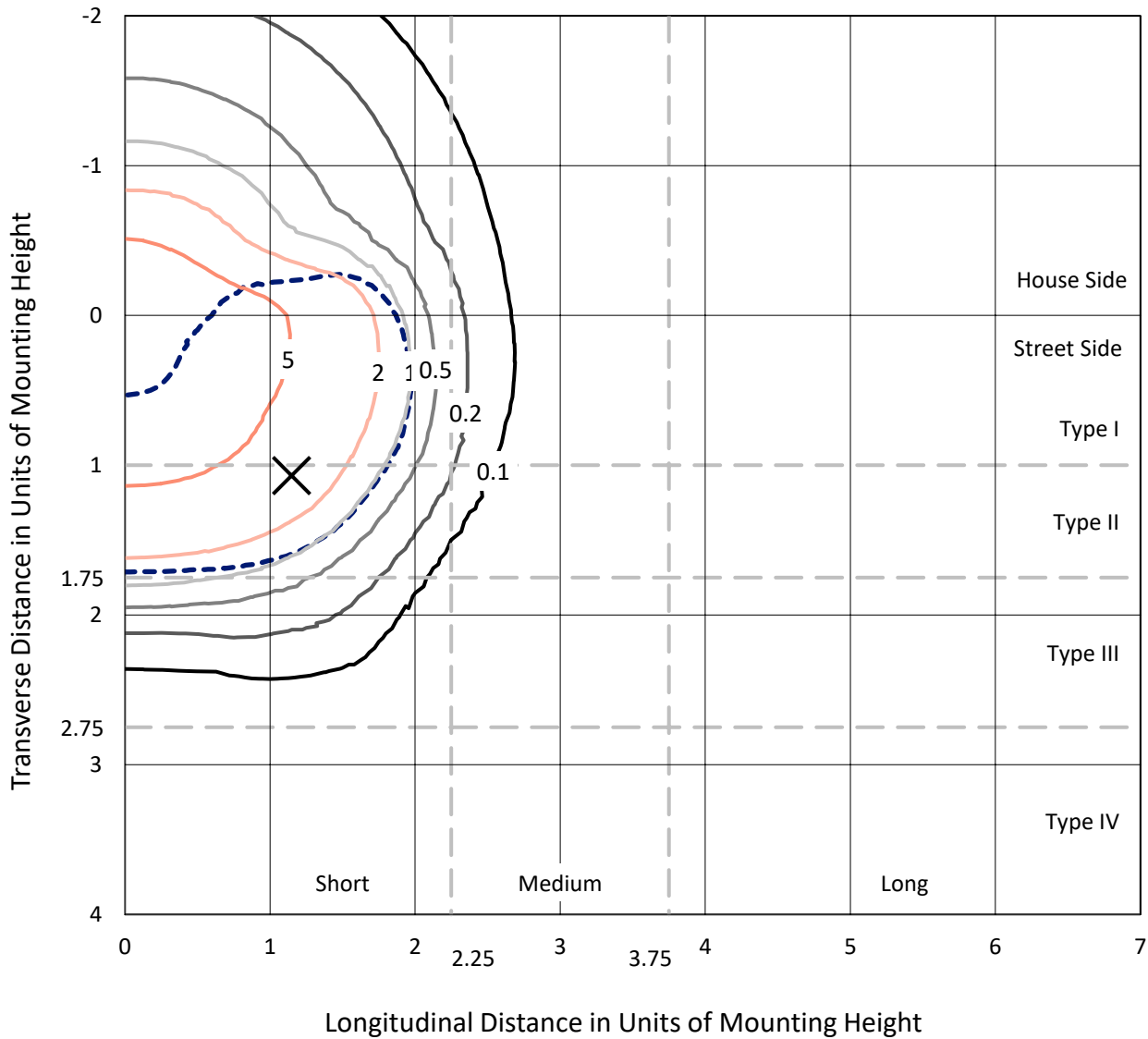
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

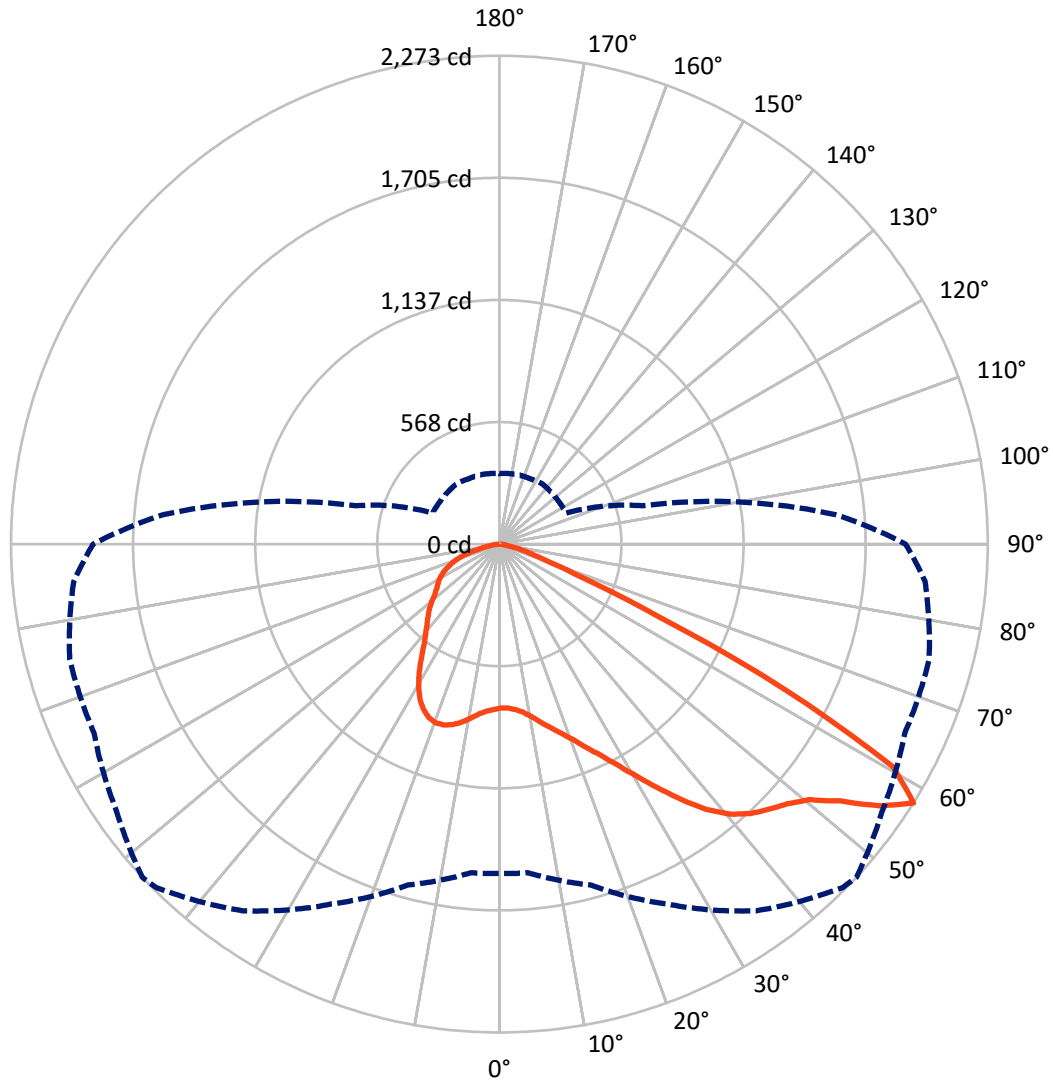
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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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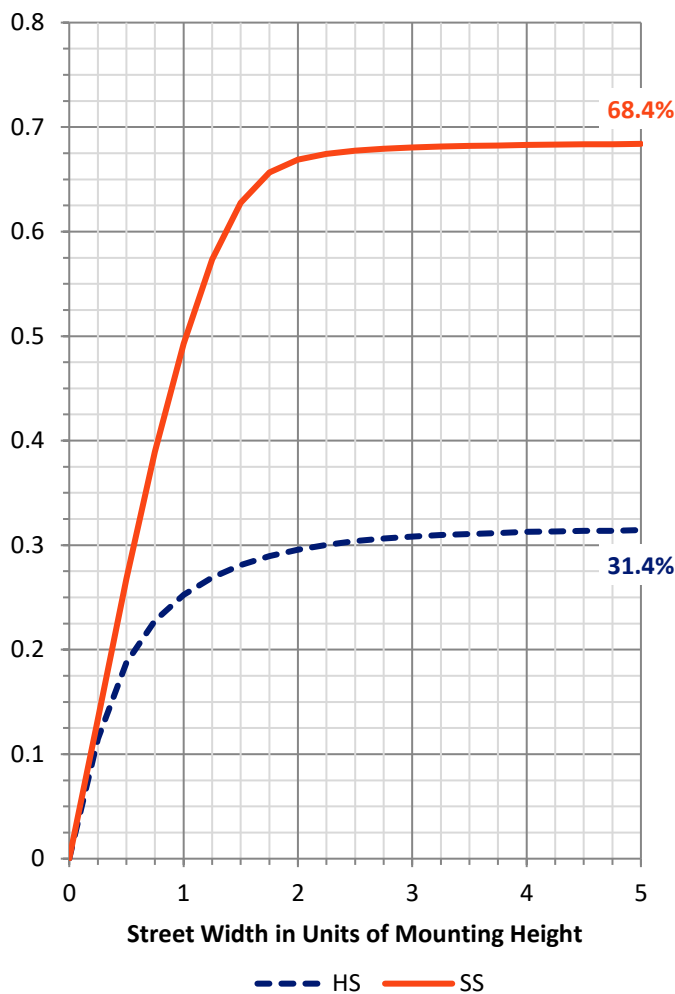
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1301.2	0.0	1301.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2810.1	0.0	2810.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	4111.3	0.0	4111.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	1.8
10°-20°	247.3	6.0
20°-30°	445.4	10.8
30°-40°	672.7	16.4
40°-50°	905.8	22.0
50°-60°	1088.5	26.5
60°-70°	530.1	12.9
70°-80°	130.6	3.2
80°-90°	15.7	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°	4111.3	100.0
0°-180°	4111.3	100.0

Coefficient of Utilization



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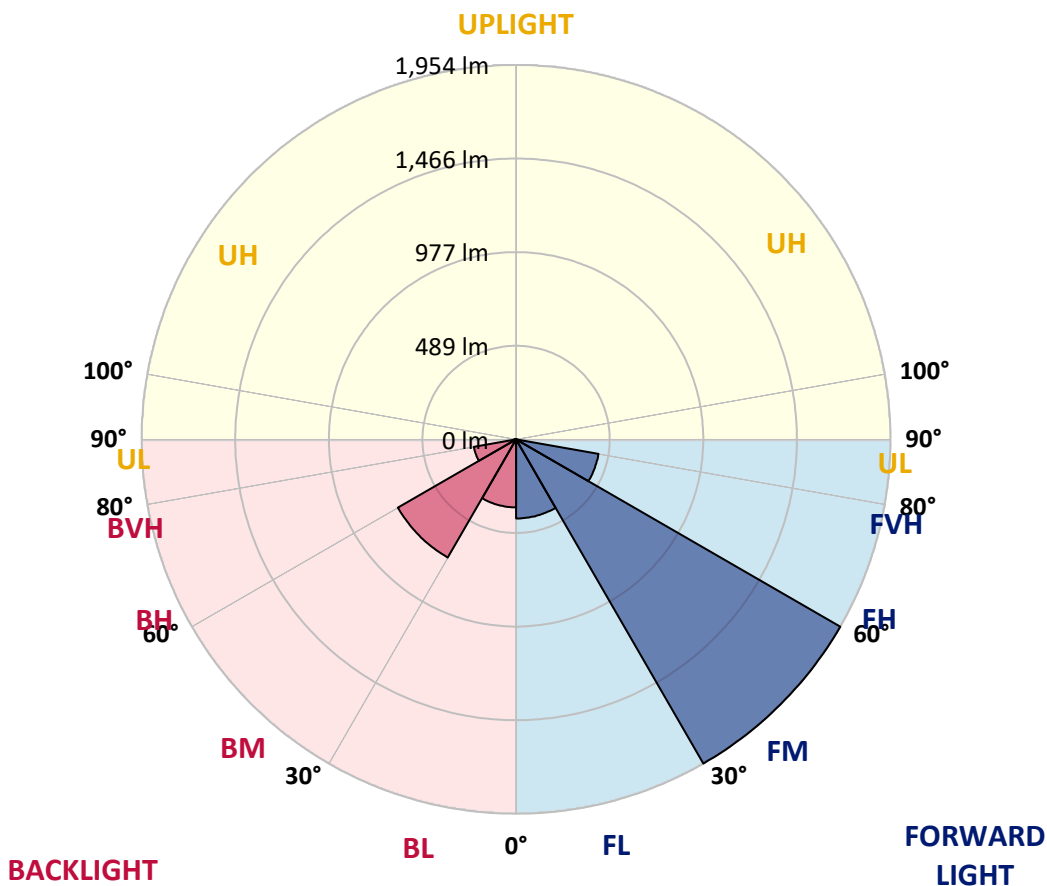
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.0	10.0			
FM (30°-60°)	1954.3	47.5			
FH (60°-80°)	436.9	10.6			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	354.9	8.6	B1/500		
BM (30°-60°)	712.7	17.3	B1/1000		
BH (60°-80°)	223.8	5.4	B1/500		G1/500
BVH (80°-90°)	9.8	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°	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4
2.5°	761.1	760.7	760.7	762.8	762.8	763.5	764.5	765.6	765.9	764.2	760.4
5°	769.4	769.4	769.4	771.1	771.1	771.8	773.2	773.5	773.2	770.4	766.6
7.5°	782.5	782.5	782.8	784.9	786.6	787.7	790.1	789.7	788.7	784.2	779.4
10°	803.9	804.9	806.0	808.4	811.8	814.2	816.0	816.0	814.6	807.7	801.5
12.5°	834.3	835.7	836.7	838.8	841.5	845.7	849.5	849.5	847.7	839.1	829.8
15°	869.8	871.2	870.9	871.6	876.7	882.6	885.7	887.8	888.5	876.4	861.9
17.5°	910.6	912.0	910.6	908.5	909.2	918.5	924.1	931.6	936.1	919.9	896.8
20°	947.5	946.2	946.2	947.5	949.6	961.0	969.3	981.7	987.2	967.6	931.6
22.5°	986.6	989.7	988.3	988.3	996.6	1015.6	1025.6	1041.8	1047.7	1022.1	973.8
25°	1037.0	1039.7	1039.0	1039.7	1049.4	1076.3	1086.3	1116.4	1122.3	1085.7	1020.4
27.5°	1092.2	1096.7	1098.8	1098.1	1113.6	1148.8	1161.3	1203.1	1213.8	1156.8	1070.1
30°	1164.0	1168.9	1170.6	1169.9	1188.2	1236.2	1250.4	1298.0	1313.2	1241.0	1133.3
32.5°	1247.3	1252.1	1257.3	1259.3	1282.8	1331.9	1352.2	1401.6	1423.4	1338.4	1209.6
35°	1329.8	1333.9	1344.0	1360.2	1392.3	1442.4	1460.3	1509.0	1530.1	1439.6	1301.8
37.5°	1421.0	1423.7	1432.3	1454.8	1501.1	1548.7	1566.7	1613.3	1615.7	1537.3	1406.1
40°	1520.7	1520.7	1519.0	1541.1	1589.5	1637.5	1653.0	1679.9	1665.8	1612.6	1507.6
42.5°	1605.4	1604.0	1605.4	1626.1	1662.0	1701.0	1714.5	1709.3	1691.3	1670.3	1599.5
45°	1681.7	1682.7	1695.1	1711.0	1729.7	1752.8	1760.7	1731.4	1715.2	1716.5	1673.0
47.5°	1733.5	1734.5	1763.5	1790.1	1801.5	1808.7	1805.3	1764.5	1756.3	1771.8	1729.7
50°	1740.4	1745.9	1796.0	1850.5	1878.8	1879.9	1870.2	1820.5	1818.1	1835.7	1760.0
52.5°	1741.7	1747.3	1809.8	1908.2	1981.7	1997.3	1986.2	1934.4	1909.2	1891.6	1797.3
55°	1736.6	1742.8	1811.8	1946.9	2087.7	2149.9	2150.9	2077.7	1997.3	1985.5	1903.7
57.5°	1533.2	1535.6	1642.6	1848.4	2083.6	2259.7	2273.2	2173.7	2081.9	2070.8	1989.0
60°	1068.0	1077.7	1194.1	1465.8	1750.4	2060.8	2104.3	2075.3	2013.9	1933.4	1706.5
62.5°	534.9	543.2	659.9	916.8	1207.2	1452.4	1499.0	1529.7	1544.2	1457.9	1162.0
65°	230.3	236.5	309.1	478.9	683.4	801.8	818.0	855.0	945.5	843.6	626.0
67.5°	154.0	158.2	195.1	292.1	402.6	410.2	407.8	415.8	435.4	359.5	282.8
70°	118.1	121.5	146.4	214.1	289.4	247.6	234.5	212.7	231.0	235.5	229.3
72.5°	85.6	88.4	107.0	146.1	181.3	158.2	156.1	167.1	192.0	198.9	195.1
75°	55.2	56.6	68.0	80.1	93.6	101.5	105.7	125.7	150.9	156.1	151.6
77.5°	36.9	38.0	44.5	51.5	53.2	53.5	54.9	63.9	81.1	90.8	89.8
80°	19.3	19.3	21.8	21.8	24.9	29.7	31.1	36.9	44.9	49.7	50.1
82.5°	7.6	7.9	9.3	10.4	12.4	15.2	16.2	19.3	23.5	26.9	30.0
85°	3.1	3.5	3.8	4.5	5.5	6.9	7.3	8.3	11.0	13.8	15.5
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	1.0	1.4	1.7	3.1	4.1
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°	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4
2.5°	764.9	760.4	764.9	766.2	770.0	771.4	769.0	768.7	768.7	765.2	764.2
5°	770.0	765.9	770.4	772.5	778.0	781.4	782.1	784.9	786.6	785.2	784.9
7.5°	782.8	777.6	782.5	785.6	792.8	798.4	800.8	807.0	811.5	810.8	810.4
10°	805.3	798.4	803.9	809.1	817.0	823.6	823.9	827.4	831.9	830.5	829.8
12.5°	831.2	824.6	830.8	836.0	845.3	848.1	843.6	842.2	842.9	841.2	839.8
15°	862.9	853.6	859.1	865.0	870.2	867.1	857.4	853.6	853.3	850.8	849.5
17.5°	894.7	883.0	887.1	890.2	887.8	878.1	866.0	859.5	856.4	851.5	850.2
20°	926.1	911.3	910.6	908.2	897.1	879.5	863.3	850.2	842.2	835.7	833.2
22.5°	962.0	941.3	931.0	919.9	895.7	867.1	842.6	823.9	811.1	802.8	800.1
25°	1000.7	971.4	950.0	927.9	881.9	840.5	806.3	780.7	765.6	756.6	753.5
27.5°	1039.0	998.6	966.5	928.9	854.3	802.2	756.2	721.7	706.5	699.3	696.8
30°	1090.8	1034.9	986.2	915.4	818.0	749.0	691.7	656.8	646.8	641.6	639.5
32.5°	1150.6	1080.8	1012.5	887.1	771.8	686.8	626.4	602.2	595.3	585.3	585.0
35°	1229.3	1146.4	1037.3	845.3	713.4	620.2	576.3	559.1	546.6	530.7	529.4
37.5°	1321.2	1228.3	1050.8	792.1	645.4	565.3	539.0	519.7	499.7	478.6	475.8
40°	1416.1	1323.9	1051.8	729.3	578.7	529.0	506.9	481.7	456.8	433.4	430.3
42.5°	1515.9	1413.0	1033.5	656.8	524.2	497.6	475.1	443.4	415.4	399.5	397.8
45°	1605.0	1484.8	992.1	580.5	483.8	471.3	442.7	408.5	393.7	382.3	379.8
47.5°	1675.1	1532.5	936.1	512.1	451.0	444.4	407.1	389.5	378.1	367.8	365.3
50°	1709.6	1543.2	863.3	456.5	420.6	412.6	387.1	373.6	366.0	357.7	355.7
52.5°	1752.5	1555.3	800.4	409.9	390.9	380.2	370.5	359.8	354.3	349.1	347.4
55°	1850.9	1600.9	767.3	372.6	362.6	357.7	356.4	347.4	345.7	342.2	339.1
57.5°	1890.9	1571.5	688.9	342.2	340.1	340.8	344.3	336.0	334.3	330.1	328.0
60°	1520.7	1187.9	466.5	316.0	321.5	326.0	329.4	321.1	318.7	318.0	315.3
62.5°	974.5	730.7	325.6	291.4	299.7	305.3	307.3	299.4	297.7	303.2	303.5
65°	507.3	398.1	264.2	265.2	272.1	280.4	284.5	281.8	281.1	287.0	287.3
67.5°	259.0	243.4	230.3	234.1	239.6	250.4	260.0	272.1	276.2	276.9	277.3
70°	220.7	213.7	207.2	209.6	215.5	221.3	230.7	236.5	229.6	227.9	227.2
72.5°	187.8	182.7	179.6	182.3	185.4	184.4	181.6	184.4	185.4	185.8	186.1
75°	146.1	142.3	139.9	140.2	140.2	136.4	131.2	128.1	124.7	121.9	121.9
77.5°	89.4	90.1	92.5	92.2	91.9	90.5	85.3	82.5	74.2	71.8	71.8
80°	51.1	52.1	54.6	55.2	55.2	53.5	48.3	45.2	41.4	39.7	39.4
82.5°	31.1	32.5	33.8	34.5	34.9	32.8	28.3	25.9	23.8	22.1	22.1
85°	16.2	16.9	18.3	18.6	17.6	15.5	13.1	12.1	10.0	9.7	9.7
87.5°	4.5	4.8	5.5	4.5	4.1	3.1	1.7	1.4	0.7	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)