

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: P629809

Luminaire Tested: GWS-SA1C-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629809
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-SA1C-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4046.2 lumens
Efficiency: N/A
Efficacy: 118.7 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

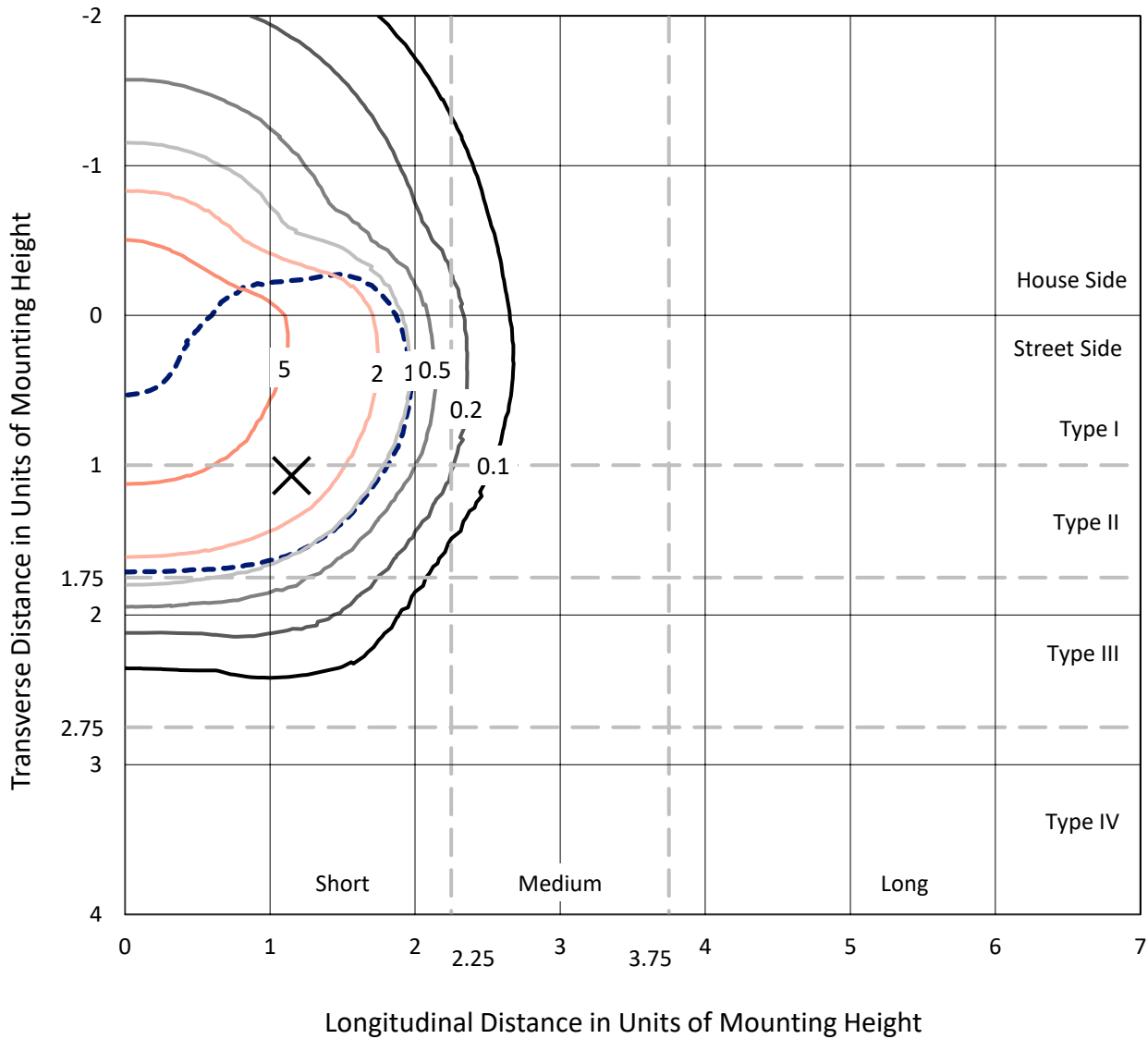
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

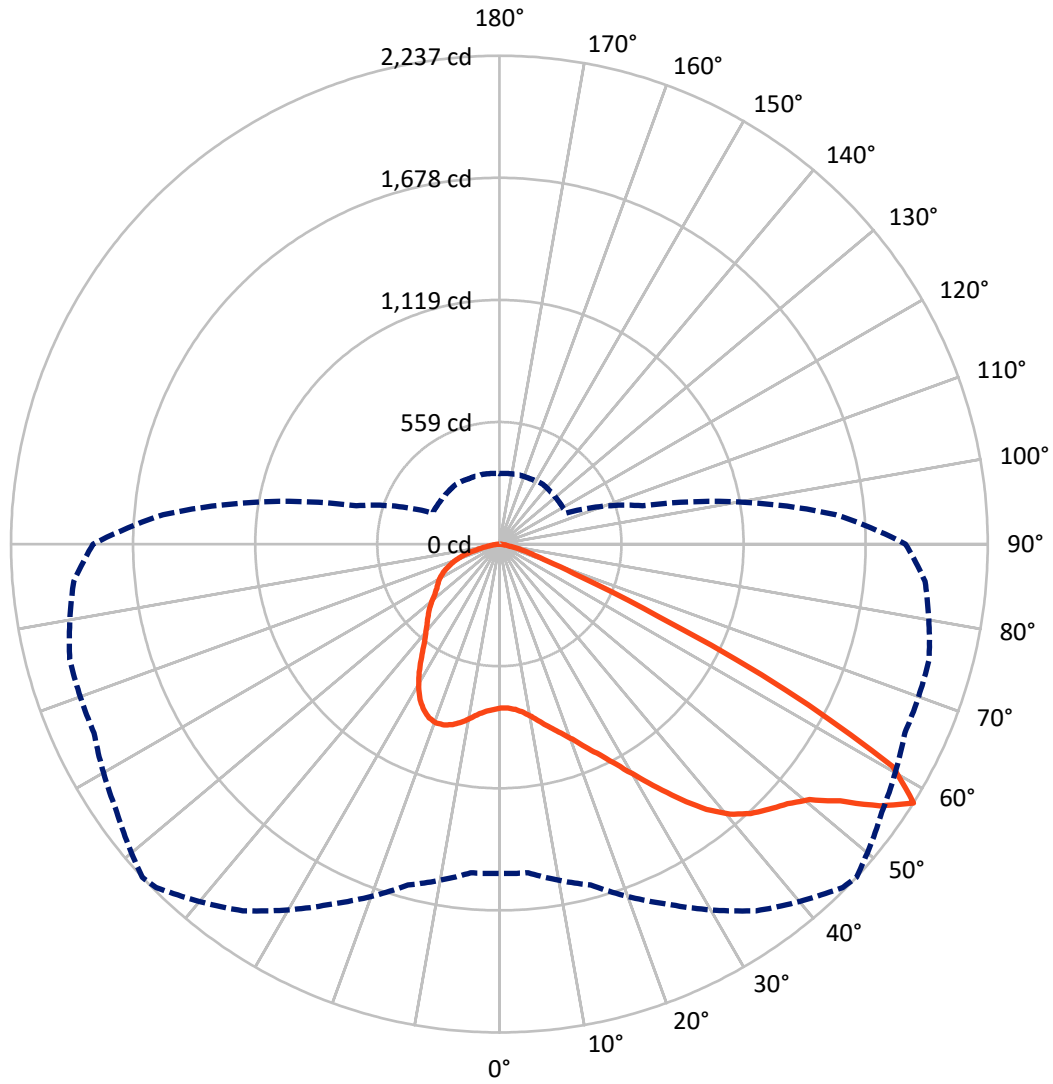
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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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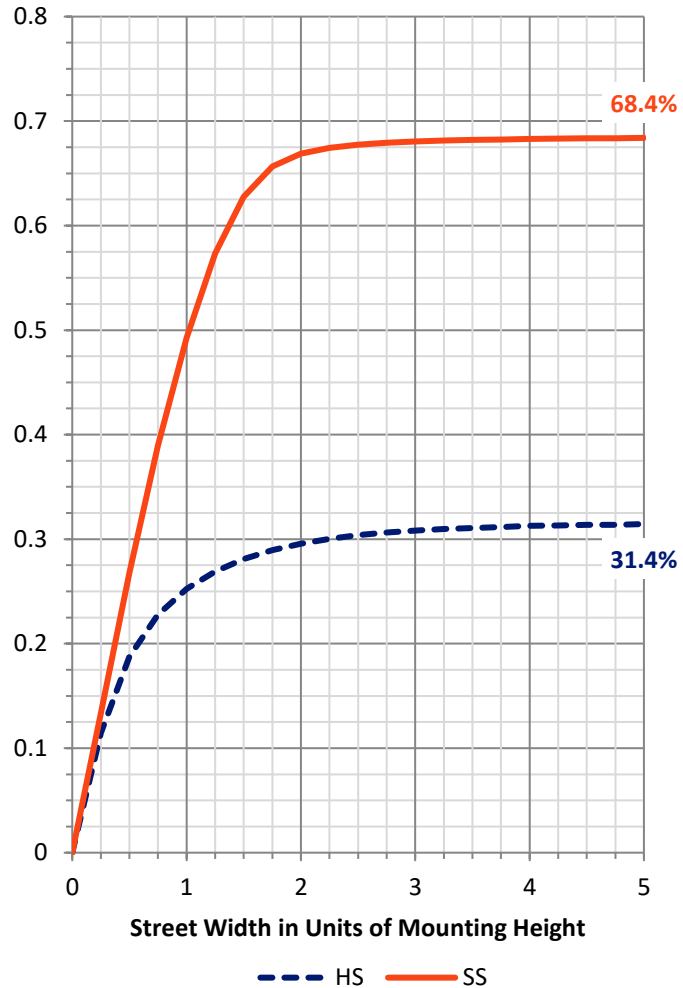
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1280.6	0.0	1280.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2765.6	0.0	2765.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	4046.2	0.0	4046.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.8
10°-20°	243.4	6.0
20°-30°	438.3	10.8
30°-40°	662.0	16.4
40°-50°	891.5	22.0
50°-60°	1071.3	26.5
60°-70°	521.7	12.9
70°-80°	128.5	3.2
80°-90°	15.4	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°	4046.2	100.0
0°-180°	4046.2	100.0

Coefficient of Utilization



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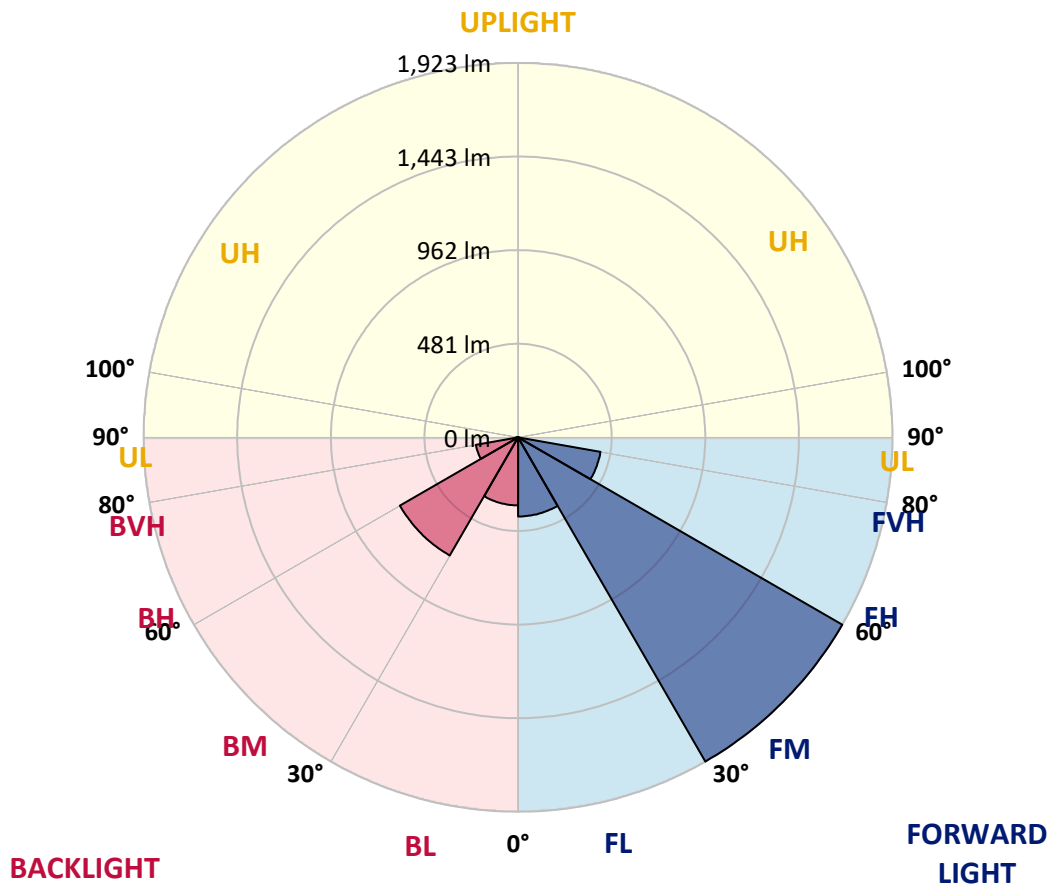
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.4	10.0			
FM (30°-60°)	1923.4	47.5			
FH (60°-80°)	430.0	10.6			G0/660
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	349.3	8.6	B1/500		
BM (30°-60°)	701.4	17.3	B1/1000		
BH (60°-80°)	220.3	5.4	B1/500		G1/500
BVH (80°-90°)	9.6	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°	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4
2.5°	749.0	748.7	748.7	750.7	750.7	751.4	752.4	753.4	753.8	752.1	748.3
5°	757.2	757.2	757.2	758.9	758.9	759.5	760.9	761.2	760.9	758.2	754.5
7.5°	770.1	770.1	770.4	772.5	774.2	775.2	777.6	777.2	776.2	771.8	767.0
10°	791.2	792.2	793.2	795.6	799.0	801.4	803.0	803.0	801.7	794.9	788.8
12.5°	821.1	822.4	823.4	825.5	828.2	832.3	836.0	836.0	834.3	825.8	816.6
15°	856.1	857.4	857.1	857.8	862.9	868.6	871.7	873.7	874.4	862.5	848.2
17.5°	896.2	897.5	896.2	894.1	894.8	904.0	909.4	916.9	921.3	905.3	882.6
20°	932.5	931.2	931.2	932.5	934.6	945.8	953.9	966.2	971.6	952.2	916.9
22.5°	970.9	974.0	972.6	972.6	980.8	999.5	1009.3	1025.3	1031.1	1005.9	958.4
25°	1020.5	1023.3	1022.6	1023.3	1032.8	1059.3	1069.1	1098.7	1104.5	1068.5	1004.2
27.5°	1074.9	1079.3	1081.4	1080.7	1096.0	1130.7	1142.9	1184.0	1194.5	1138.5	1053.2
30°	1145.6	1150.4	1152.1	1151.4	1169.4	1216.6	1230.6	1277.5	1292.4	1221.4	1115.4
32.5°	1227.5	1232.3	1237.4	1239.4	1262.5	1310.8	1330.8	1379.4	1400.8	1317.2	1190.5
35°	1308.7	1312.8	1322.7	1338.6	1370.2	1419.5	1437.2	1485.1	1505.8	1416.8	1281.2
37.5°	1398.5	1401.2	1409.7	1431.8	1477.3	1524.2	1541.9	1587.7	1590.1	1513.0	1383.8
40°	1496.7	1496.7	1495.0	1516.7	1564.3	1611.5	1626.8	1653.3	1639.4	1587.1	1483.8
42.5°	1579.9	1578.6	1579.9	1600.3	1635.7	1674.1	1687.3	1682.2	1664.6	1643.8	1574.2
45°	1655.0	1656.1	1668.3	1683.9	1702.3	1725.0	1732.9	1704.0	1688.0	1689.4	1646.5
47.5°	1706.0	1707.0	1735.6	1761.7	1773.0	1780.1	1776.7	1736.6	1728.4	1743.7	1702.3
50°	1712.8	1718.2	1767.5	1821.2	1849.1	1850.1	1840.6	1791.7	1789.3	1806.6	1732.2
52.5°	1714.2	1719.6	1781.1	1878.0	1950.4	1965.7	1954.8	1903.8	1879.0	1861.7	1768.9
55°	1709.1	1715.2	1783.2	1916.0	2054.7	2115.9	2116.9	2044.8	1965.7	1954.1	1873.6
57.5°	1508.9	1511.3	1616.6	1819.2	2050.6	2223.9	2237.2	2139.3	2048.9	2038.0	1957.5
60°	1051.1	1060.7	1175.2	1442.6	1722.7	2028.2	2071.0	2042.5	1982.0	1902.8	1679.5
62.5°	526.4	534.6	649.4	902.3	1188.1	1429.4	1475.3	1505.5	1519.8	1434.8	1143.6
65°	226.7	232.8	304.2	471.4	672.5	789.1	805.1	841.5	930.5	830.2	616.1
67.5°	151.6	155.6	192.0	287.5	396.3	403.7	401.4	409.2	428.5	353.8	278.3
70°	116.2	119.6	144.1	210.7	284.8	243.7	230.8	209.3	227.4	231.8	225.7
72.5°	84.3	87.0	105.4	143.8	178.4	155.6	153.6	164.5	189.0	195.7	192.0
75°	54.4	55.7	66.9	78.8	92.1	99.9	104.0	123.7	148.5	153.6	149.2
77.5°	36.4	37.4	43.8	50.6	52.3	52.7	54.0	62.9	79.9	89.4	88.4
80°	19.0	19.0	21.4	21.4	24.5	29.2	30.6	36.4	44.2	48.9	49.3
82.5°	7.5	7.8	9.2	10.2	12.2	15.0	16.0	19.0	23.1	26.5	29.6
85°	3.1	3.4	3.7	4.4	5.4	6.8	7.1	8.2	10.9	13.6	15.3
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°	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4	750.4
2.5°	752.8	748.3	752.8	754.1	757.9	759.2	756.8	756.5	756.5	753.1	752.1
5°	757.9	753.8	758.2	760.2	765.7	769.1	769.7	772.5	774.2	772.8	772.5
7.5°	770.4	765.3	770.1	773.1	780.3	785.7	788.1	794.2	798.6	798.0	797.6
10°	792.5	785.7	791.2	796.3	804.1	810.5	810.9	814.3	818.7	817.3	816.6
12.5°	818.0	811.5	817.7	822.8	831.9	834.7	830.2	828.9	829.6	827.9	826.5
15°	849.3	840.1	845.5	851.3	856.4	853.3	843.8	840.1	839.8	837.4	836.0
17.5°	880.5	869.0	873.1	876.1	873.7	864.2	852.3	845.9	842.8	838.1	836.7
20°	911.5	896.8	896.2	893.8	882.9	865.6	849.6	836.7	828.9	822.4	820.0
22.5°	946.8	926.4	916.2	905.3	881.6	853.3	829.2	810.9	798.3	790.1	787.4
25°	984.9	956.0	934.9	913.2	868.0	827.2	793.5	768.4	753.4	744.6	741.5
27.5°	1022.6	982.8	951.2	914.2	840.8	789.5	744.3	710.3	695.3	688.2	685.8
30°	1073.6	1018.5	970.6	900.9	805.1	737.1	680.7	646.4	636.5	631.4	629.4
32.5°	1132.4	1063.7	996.4	873.1	759.5	675.9	616.5	592.7	585.9	576.0	575.7
35°	1209.8	1128.3	1020.9	831.9	702.1	610.4	567.2	550.2	538.0	522.3	521.0
37.5°	1300.2	1208.8	1034.1	779.6	635.2	556.3	530.5	511.5	491.8	471.0	468.3
40°	1393.7	1303.0	1035.2	717.7	569.6	520.6	498.9	474.1	449.6	426.5	423.4
42.5°	1491.9	1390.6	1017.2	646.4	515.9	489.7	467.6	436.4	408.8	393.2	391.5
45°	1579.6	1461.3	976.4	571.3	476.1	463.9	435.7	402.0	387.4	376.2	373.8
47.5°	1648.6	1508.2	921.3	504.0	443.8	437.4	400.7	383.3	372.1	361.9	359.6
50°	1682.6	1518.8	849.6	449.3	413.9	406.1	381.0	367.7	360.2	352.1	350.0
52.5°	1724.7	1530.7	787.8	403.4	384.7	374.2	364.7	354.1	348.7	343.6	341.9
55°	1821.6	1575.5	755.1	366.7	356.8	352.1	350.7	341.9	340.2	336.8	333.7
57.5°	1861.0	1546.6	678.0	336.8	334.7	335.4	338.8	330.7	329.0	324.9	322.9
60°	1496.7	1169.1	459.1	311.0	316.4	320.8	324.2	316.1	313.7	313.0	310.3
62.5°	959.0	719.1	320.5	286.8	295.0	300.4	302.5	294.6	292.9	298.4	298.7
65°	499.2	391.8	260.0	261.0	267.8	276.0	280.0	277.3	276.6	282.4	282.7
67.5°	254.9	239.6	226.7	230.4	235.9	246.4	255.9	267.8	271.9	272.6	272.9
70°	217.2	210.4	203.9	206.3	212.1	217.8	227.0	232.8	226.0	224.3	223.6
72.5°	184.9	179.8	176.7	179.4	182.5	181.5	178.8	181.5	182.5	182.8	183.2
75°	143.8	140.0	137.6	138.0	138.0	134.2	129.1	126.1	122.7	120.0	120.0
77.5°	88.0	88.7	91.1	90.7	90.4	89.0	83.9	81.2	73.1	70.7	70.7
80°	50.3	51.3	53.7	54.4	54.4	52.7	47.6	44.5	40.8	39.1	38.7
82.5°	30.6	31.9	33.3	34.0	34.3	32.3	27.9	25.5	23.4	21.7	21.7
85°	16.0	16.7	18.0	18.4	17.3	15.3	12.9	11.9	9.9	9.5	9.5
87.5°	4.4	4.8	5.4	4.4	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)