

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: P632529

Luminaire Tested: GWS-SA2C-830-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632529
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-SA2C-830-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4317.2 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

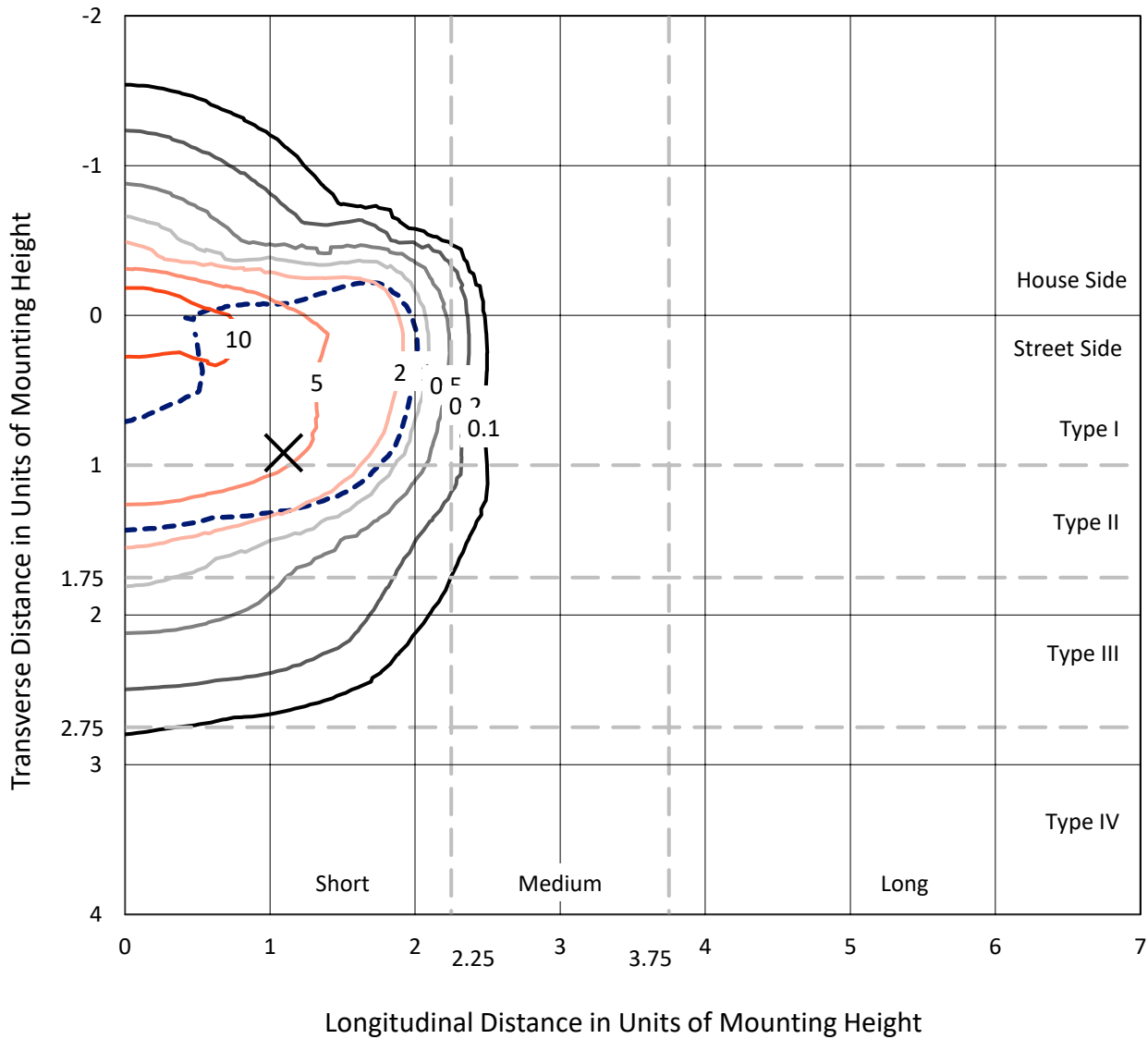
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

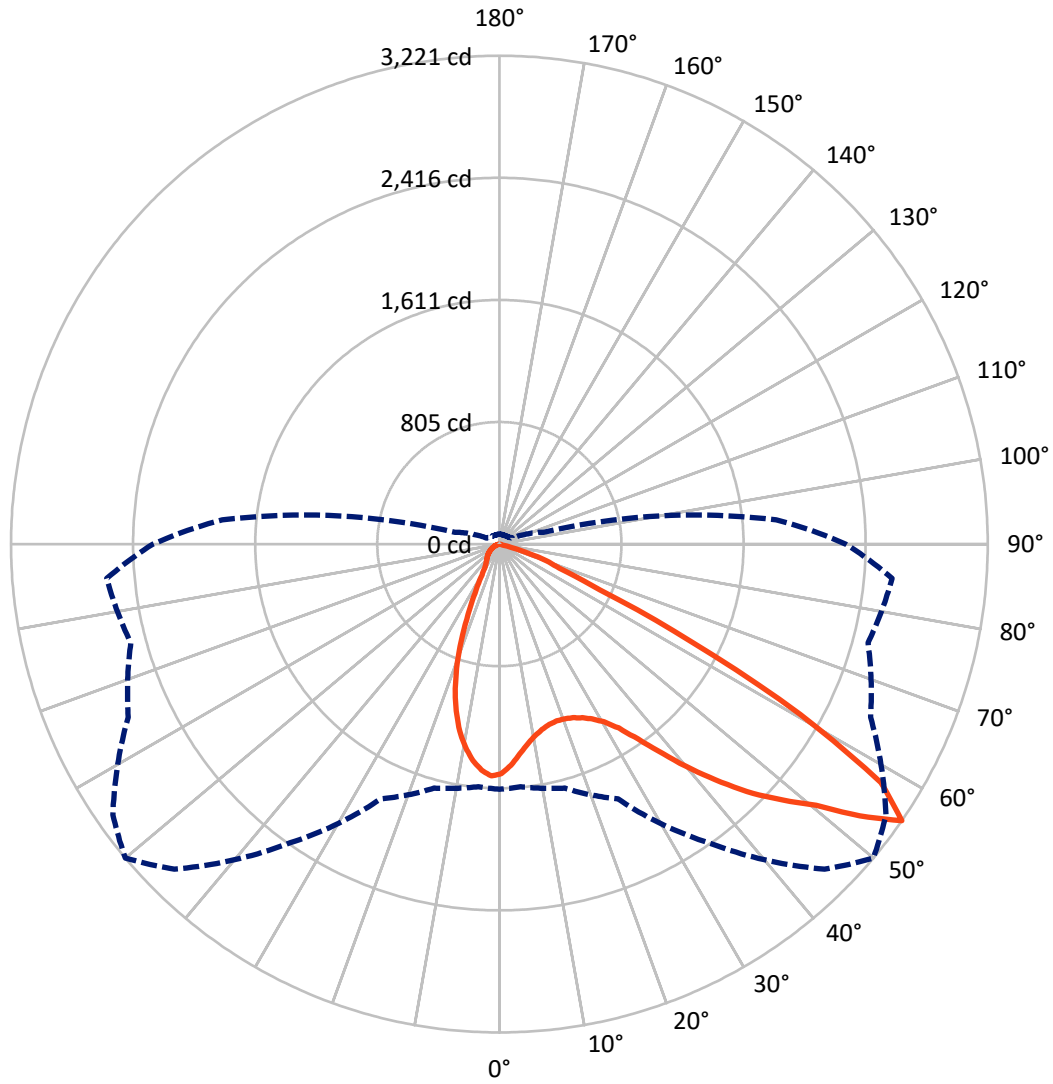
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 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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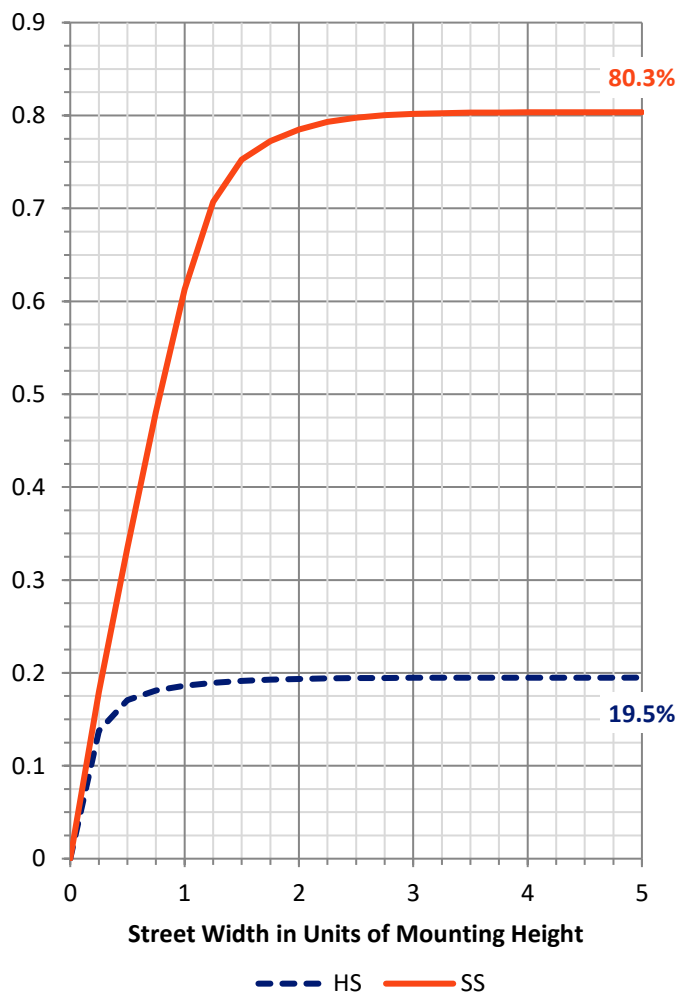
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	850.7	0.0	850.7
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	3466.5	0.0	3466.5
	% Fixture	80.3	0.0	80.3
Total	Lumens	4317.2	0.0	4317.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	3.1
10°-20°	327.3	7.6
20°-30°	461.7	10.7
30°-40°	683.3	15.8
40°-50°	985.8	22.8
50°-60°	1162.8	26.9
60°-70°	518.7	12.0
70°-80°	44.6	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°	4317.2	100.0
0°-180°	4317.2	100.0

Coefficient of Utilization



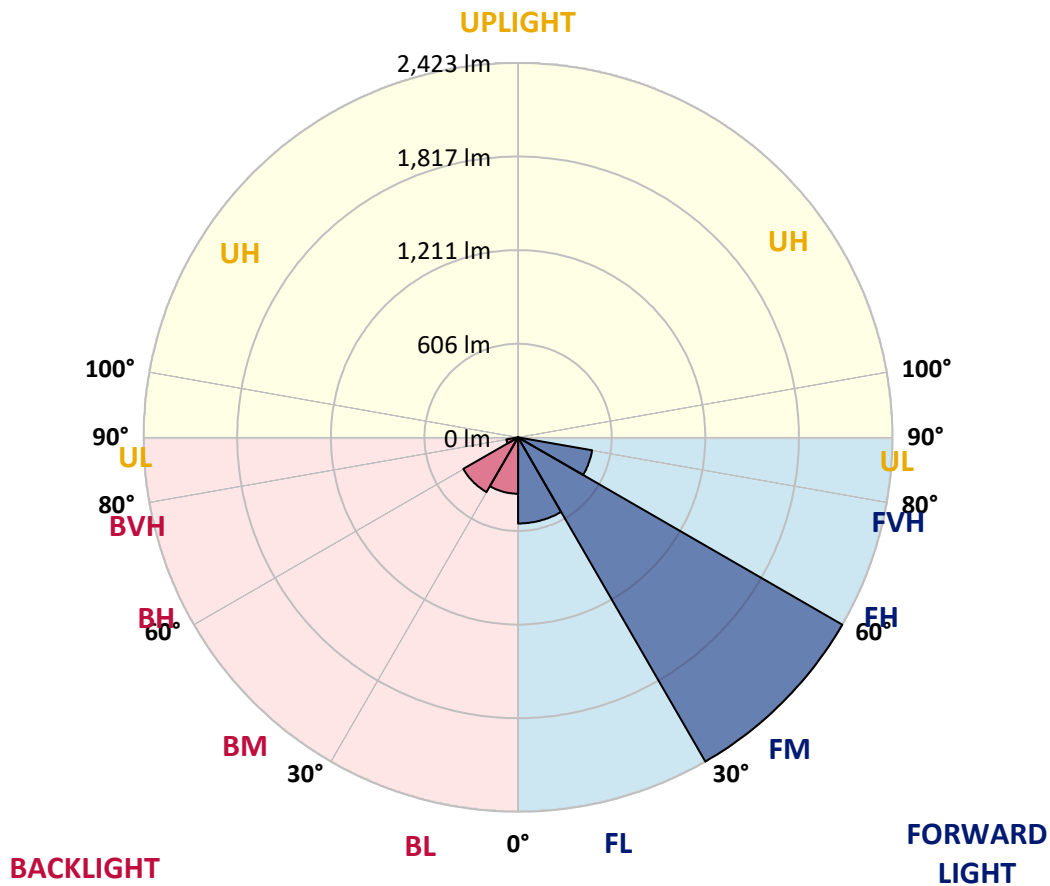
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.4	12.9			
FM (30°-60°)	2422.7	56.1			
FH (60°-80°)	486.5	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	364.7	8.4	B1/500		
BM (30°-60°)	409.1	9.5	B1/1000		
BH (60°-80°)	76.8	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°	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7
2.5°	1407.2	1408.3	1408.8	1423.0	1428.3	1449.4	1460.4	1466.2	1481.5	1499.4	1514.2
5°	1312.9	1311.3	1313.9	1331.8	1343.4	1374.5	1391.4	1403.0	1436.7	1478.9	1514.2
7.5°	1230.6	1233.8	1237.0	1256.5	1273.9	1307.6	1331.8	1349.2	1396.1	1458.8	1518.4
10°	1172.7	1172.7	1177.4	1199.5	1220.1	1261.7	1286.0	1308.1	1364.0	1440.9	1523.1
12.5°	1130.0	1130.5	1136.3	1161.6	1185.3	1228.5	1253.8	1275.4	1337.1	1423.0	1524.2
15°	1109.9	1108.4	1113.1	1140.0	1166.3	1206.9	1233.3	1254.4	1318.1	1413.0	1529.5
17.5°	1104.7	1103.6	1107.3	1133.7	1160.5	1200.1	1225.9	1247.0	1315.5	1416.2	1545.3
20°	1120.0	1117.9	1116.3	1138.9	1164.2	1203.2	1230.1	1253.8	1328.1	1433.5	1569.5
22.5°	1156.3	1156.3	1152.6	1163.7	1180.6	1215.9	1243.8	1274.9	1361.3	1468.3	1605.4
25°	1223.3	1218.0	1211.1	1215.9	1213.8	1235.9	1269.1	1312.3	1424.1	1525.8	1649.1
27.5°	1299.7	1304.4	1292.8	1293.4	1274.9	1267.0	1305.5	1370.8	1517.3	1606.9	1713.9
30°	1403.5	1399.8	1400.3	1398.8	1356.1	1318.7	1360.3	1447.3	1634.9	1730.8	1798.3
32.5°	1484.7	1489.9	1507.3	1517.3	1461.5	1401.4	1445.7	1551.1	1768.7	1872.0	1901.6
35°	1570.6	1580.1	1615.4	1648.1	1601.1	1532.1	1579.5	1688.6	1894.7	2011.7	2020.1
37.5°	1661.2	1680.2	1722.4	1779.8	1772.4	1711.3	1754.5	1850.4	1993.8	2096.0	2118.2
40°	1765.1	1783.5	1852.5	1935.3	1952.7	1939.0	1953.2	2009.1	2059.1	2099.7	2160.3
42.5°	1878.9	1904.2	1991.7	2102.4	2167.7	2179.8	2146.6	2140.8	2087.6	2057.6	2151.4
45°	2013.3	2042.8	2141.9	2285.2	2389.1	2405.4	2348.0	2273.7	2105.5	2026.5	2124.5
47.5°	2164.0	2192.0	2290.5	2462.9	2617.3	2623.6	2523.5	2403.8	2158.8	2062.3	2145.1
50°	2214.6	2232.0	2317.4	2519.8	2804.4	2852.9	2707.9	2550.3	2265.7	2167.7	2245.2
52.5°	2040.7	2047.6	2121.9	2326.4	2766.4	3077.9	2977.3	2769.1	2456.0	2328.5	2399.6
55°	1617.0	1605.9	1666.0	1853.6	2404.4	3032.1	3221.3	3112.7	2701.1	2517.1	2600.4
57.5°	1131.0	1117.9	1104.1	1231.2	1794.0	2570.4	2968.3	3160.7	2934.6	2704.2	2817.0
60°	929.7	917.1	850.6	792.1	1084.6	1845.7	2280.0	2642.1	2915.6	2694.8	2810.2
62.5°	803.2	795.8	769.0	689.4	638.2	1053.6	1427.8	1774.5	2237.3	2116.1	2122.4
65°	630.9	628.8	647.2	655.6	564.5	582.9	728.4	922.3	1209.6	1140.5	1081.5
67.5°	431.1	426.4	461.2	567.1	542.9	460.1	426.4	430.1	523.4	319.9	254.0
70°	274.1	263.0	263.5	351.5	441.7	363.1	328.9	289.3	260.4	47.4	53.8
72.5°	175.5	168.7	144.9	158.6	204.5	177.1	178.7	153.9	102.8	25.3	29.5
75°	73.8	68.0	52.2	41.6	41.1	25.8	22.7	21.1	14.2	14.2	15.3
77.5°	0.5	0.0	0.0	0.5	1.1	0.5	0.5	1.1	2.1	3.2	3.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7
2.5°	1523.1	1510.5	1524.7	1530.0	1529.5	1530.0	1514.7	1504.2	1503.6	1490.5	1484.1
5°	1528.9	1518.9	1529.5	1522.6	1506.3	1485.7	1458.3	1434.6	1424.1	1408.8	1401.4
7.5°	1540.0	1529.5	1527.9	1500.5	1459.9	1416.7	1368.2	1325.0	1301.8	1273.9	1275.4
10°	1547.9	1535.8	1515.2	1459.4	1391.9	1322.9	1250.7	1186.4	1145.8	1108.4	1102.0
12.5°	1551.1	1533.2	1485.2	1400.9	1306.0	1215.9	1109.9	1018.2	955.0	906.0	899.1
15°	1556.9	1527.9	1446.7	1330.2	1200.1	1072.5	937.6	812.2	728.4	672.0	676.7
17.5°	1565.8	1522.1	1403.5	1251.2	1086.2	906.0	723.6	579.7	502.8	470.1	470.6
20°	1578.5	1515.2	1356.1	1164.2	949.7	717.8	506.0	397.4	375.8	374.7	373.1
22.5°	1595.4	1508.4	1305.5	1068.8	787.9	502.8	336.8	303.0	312.0	329.4	332.6
25°	1615.4	1500.0	1249.1	961.3	611.4	329.9	252.5	247.2	268.8	292.0	297.3
27.5°	1646.5	1495.7	1184.8	839.0	429.0	236.6	206.6	209.8	229.3	248.8	253.5
30°	1699.2	1503.6	1114.7	702.0	275.6	188.7	179.2	183.9	194.5	204.5	208.7
32.5°	1770.9	1526.8	1046.7	552.3	196.6	163.9	161.8	164.4	168.7	174.5	176.0
35°	1854.7	1566.9	976.6	395.3	162.3	149.7	147.6	147.6	149.7	150.7	151.3
37.5°	1923.7	1609.1	910.7	263.0	145.5	138.6	135.4	133.9	133.3	134.4	134.9
40°	1953.7	1626.4	839.0	191.3	133.3	128.6	123.9	119.1	119.1	122.8	123.3
42.5°	1932.7	1606.9	756.3	158.1	124.9	118.1	110.7	106.5	108.6	112.3	113.3
45°	1887.9	1559.0	665.1	139.7	116.5	107.5	99.1	96.4	98.6	103.3	104.4
47.5°	1880.5	1527.4	556.0	127.5	107.5	98.6	89.6	87.0	89.6	93.3	94.3
50°	1953.7	1554.8	434.8	117.0	99.1	89.1	81.7	79.1	80.6	82.7	83.8
52.5°	2087.6	1656.5	351.0	107.0	89.1	79.6	74.8	71.7	71.7	73.8	74.3
55°	2285.2	1834.1	303.0	95.4	77.5	72.2	68.0	64.8	64.8	65.9	66.4
57.5°	2512.9	2049.1	314.1	80.1	68.0	65.4	61.7	59.0	60.1	60.1	60.1
60°	2481.3	2033.3	336.3	67.5	60.1	59.0	55.9	54.8	57.4	55.3	54.3
62.5°	1827.8	1404.6	176.0	55.3	51.6	50.6	48.5	50.6	54.3	48.5	46.4
65°	887.5	679.9	70.6	45.3	43.7	42.7	41.6	44.8	46.9	37.9	35.8
67.5°	208.7	169.7	45.9	38.5	36.4	34.3	35.3	35.8	34.3	25.8	24.8
70°	54.3	53.2	35.8	32.1	29.0	26.9	26.9	26.4	22.7	16.3	15.3
72.5°	29.5	29.0	25.8	24.2	20.0	17.9	18.4	16.3	12.6	9.5	9.0
75°	14.8	15.8	14.8	13.7	11.1	10.0	10.0	9.0	6.3	3.7	3.7
77.5°	3.2	3.7	3.7	3.2	2.6	2.1	2.1	2.6	1.1	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	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)