

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: P632535

Luminaire Tested: GWS-SA2C-830-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-830-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5954.8 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

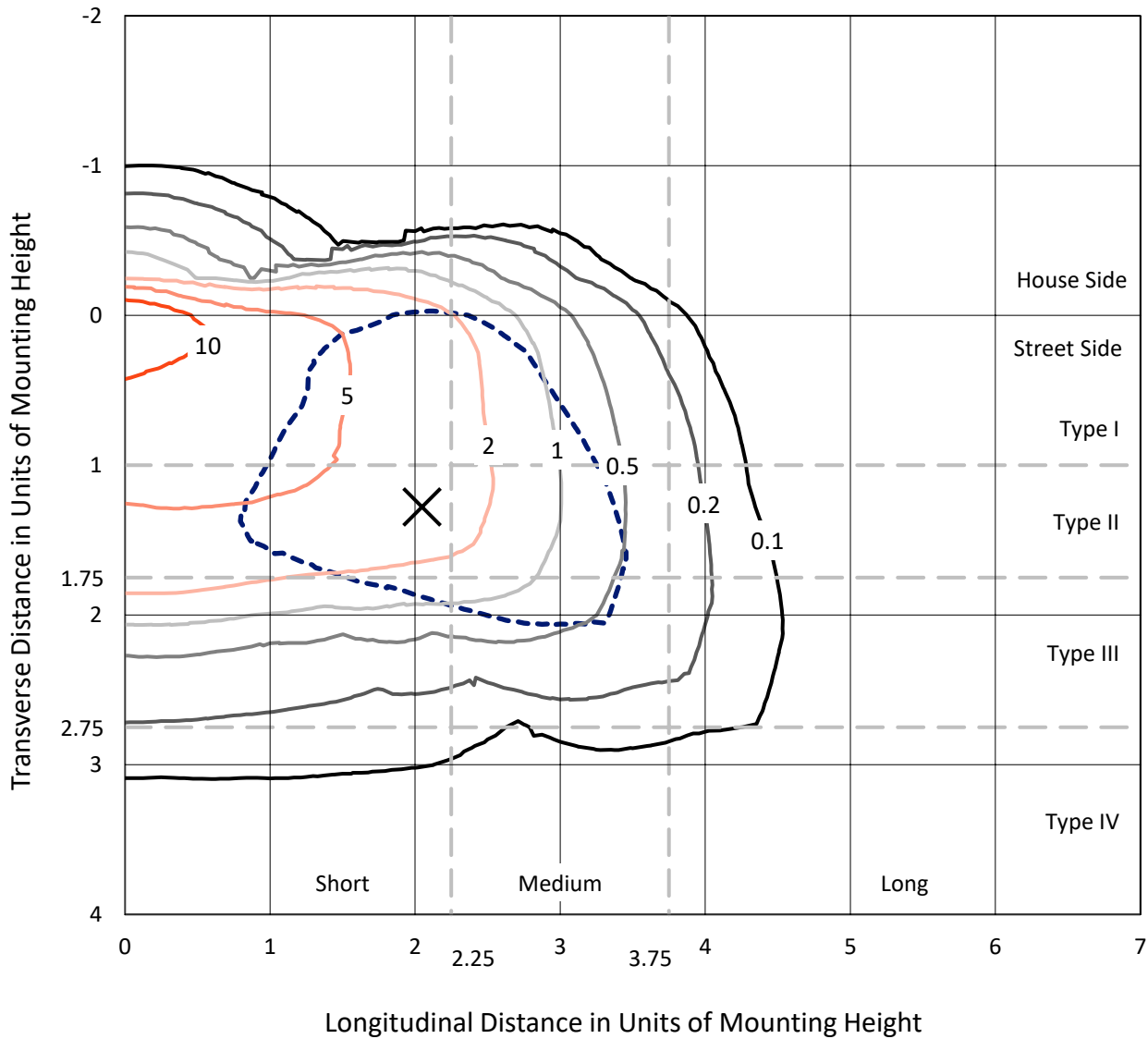
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

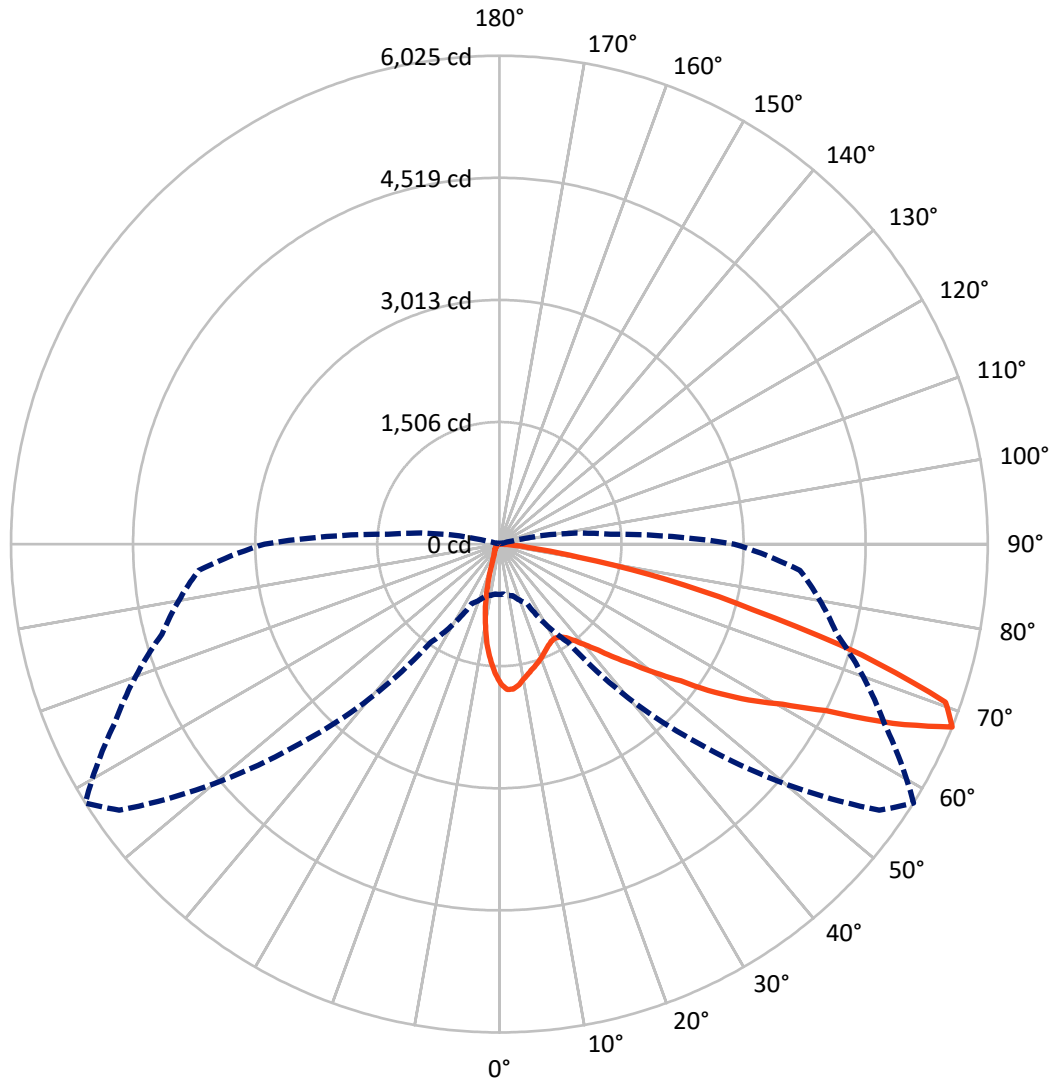
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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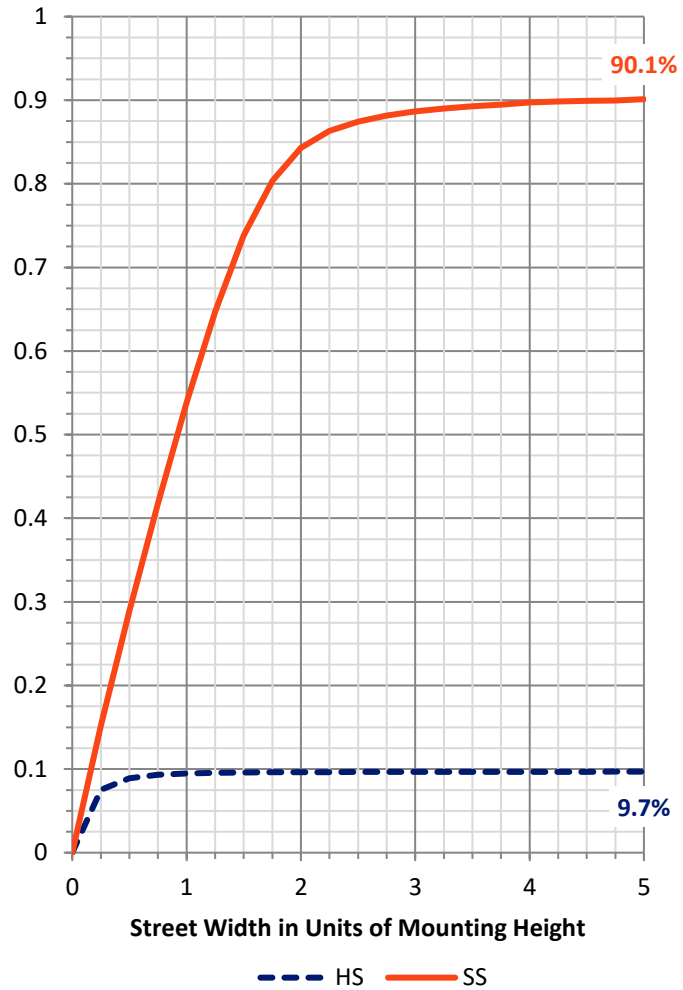
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.7	0.0	581.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5373.1	0.0	5373.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	5954.8	0.0	5954.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	2.3
10°-20°	290.5	4.9
20°-30°	391.8	6.6
30°-40°	550.6	9.2
40°-50°	850.3	14.3
50°-60°	1359.8	22.8
60°-70°	1610.1	27.0
70°-80°	712.3	12.0
80°-90°	49.8	0.8
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°	5954.8	100.0
0°-180°	5954.8	100.0

Coefficient of Utilization

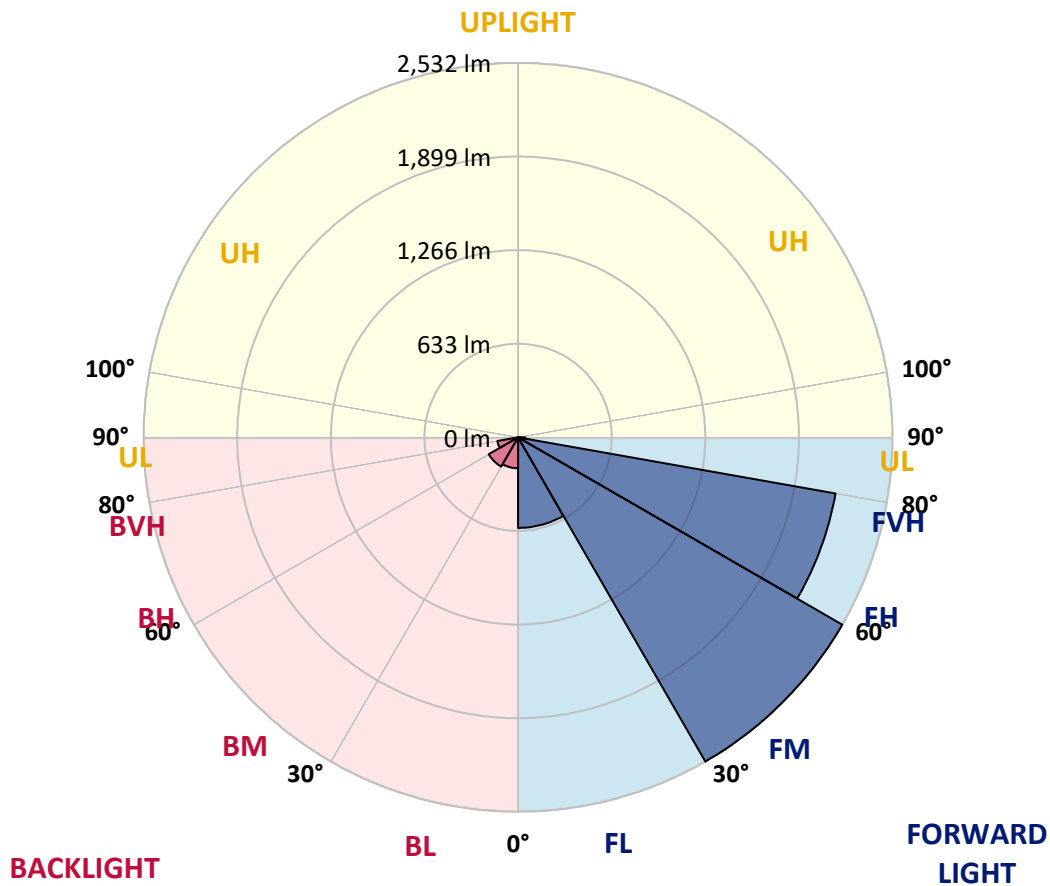


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	612.6	10.3			
FM (30°-60°)	2532.5	42.5			
FH (60°-80°)	2180.3	36.6			G2/5000
FVH (80°-90°)	47.7	0.8			G1/100
BL (0°-30°)	209.3	3.5	B1/500		
BM (30°-60°)	228.3	3.8	B1/1000		
BH (60°-80°)	142.0	2.4	B1/500		G1/500
BVH (80°-90°)	2.1	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-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6
2.5°	1806.7	1809.9	1814.1	1819.4	1818.3	1813.6	1807.8	1794.6	1786.2	1759.8	1727.7
5°	1748.7	1748.2	1758.8	1768.8	1786.7	1796.2	1809.3	1797.2	1793.0	1761.4	1709.2
7.5°	1635.4	1641.2	1653.3	1669.2	1695.0	1722.9	1754.5	1750.8	1763.5	1742.4	1677.6
10°	1524.2	1521.1	1540.0	1563.7	1603.3	1639.1	1685.0	1684.4	1717.6	1715.5	1641.7
12.5°	1426.7	1426.2	1440.9	1467.8	1514.2	1564.3	1626.5	1628.0	1669.2	1686.0	1611.2
15°	1344.5	1345.5	1359.8	1387.7	1435.7	1496.8	1569.0	1582.2	1628.6	1662.8	1581.1
17.5°	1286.0	1286.5	1295.0	1319.2	1366.1	1431.5	1518.4	1536.3	1595.9	1645.4	1556.9
20°	1259.1	1257.0	1258.6	1270.7	1307.1	1366.6	1466.8	1490.0	1565.9	1633.3	1534.8
22.5°	1262.8	1259.6	1252.3	1250.7	1267.0	1312.3	1412.0	1440.4	1533.2	1625.9	1514.7
25°	1295.5	1288.6	1278.1	1262.3	1256.0	1278.6	1364.0	1393.5	1502.6	1626.5	1499.4
27.5°	1345.5	1338.2	1325.0	1303.9	1279.1	1269.7	1331.3	1359.3	1481.0	1638.6	1492.1
30°	1409.3	1403.5	1390.9	1365.6	1332.4	1293.4	1324.5	1347.7	1470.5	1663.4	1495.2
32.5°	1484.7	1480.5	1469.9	1446.7	1408.8	1349.2	1347.7	1365.6	1478.9	1699.2	1507.4
35°	1557.4	1559.0	1559.5	1546.9	1506.3	1434.1	1411.4	1417.8	1513.7	1753.0	1534.8
37.5°	1636.0	1632.3	1651.2	1660.2	1621.2	1544.2	1510.0	1510.5	1580.1	1832.5	1586.4
40°	1695.5	1696.6	1737.7	1774.6	1758.2	1683.9	1634.9	1634.4	1682.3	1941.6	1669.7
42.5°	1751.4	1758.2	1818.8	1882.1	1904.7	1838.9	1803.6	1790.4	1825.7	2089.2	1794.6
45°	1810.9	1820.9	1905.8	1995.9	2055.5	2016.5	1988.5	1993.8	1998.0	2261.0	1962.7
47.5°	1880.5	1886.8	1991.7	2118.7	2229.9	2219.9	2221.5	2215.2	2213.1	2477.6	2185.1
50°	1964.8	1979.6	2100.3	2252.1	2403.9	2470.3	2492.4	2495.0	2460.8	2713.8	2415.5
52.5°	2144.0	2161.9	2265.2	2398.1	2593.6	2733.3	2823.4	2805.5	2752.8	2942.5	2667.9
55°	2355.4	2369.1	2468.7	2606.2	2825.5	3021.6	3235.5	3228.2	3099.0	3183.4	2875.6
57.5°	2375.4	2390.7	2545.1	2755.9	3123.3	3377.8	3602.9	3626.6	3437.4	3354.1	3061.1
60°	2150.3	2181.4	2392.3	2675.8	3237.1	3856.9	4005.6	4010.3	3685.6	3527.5	3287.7
62.5°	1723.4	1738.2	1950.6	2320.6	3061.6	4136.3	4620.6	4520.5	4004.5	3795.8	3646.6
65°	903.4	963.4	1148.4	1557.9	2482.9	4038.8	5360.6	5333.2	4577.9	4180.0	3926.0
67.5°	619.8	619.3	663.0	812.2	1480.5	3477.5	5723.7	6025.2	5240.9	4311.8	3723.6
70°	471.7	473.3	512.3	609.3	766.9	2314.8	5325.3	5840.7	5364.3	3914.9	3011.5
72.5°	313.1	316.2	381.1	492.3	612.4	1134.7	4138.4	4673.3	4513.6	3144.4	2119.8
75°	187.1	189.7	236.1	357.9	544.4	635.1	2629.4	3230.8	3106.9	2167.2	1136.3
77.5°	76.9	79.1	121.2	222.9	398.4	493.3	1454.1	2114.0	1861.0	861.7	310.4
80°	32.1	33.2	58.5	156.0	287.2	309.4	673.6	993.5	762.6	185.5	94.9
82.5°	11.6	12.1	21.6	85.9	178.7	233.0	339.9	392.6	215.0	60.6	51.1
85°	0.5	0.5	5.3	29.0	68.0	65.9	194.5	188.2	71.2	25.3	30.6
87.5°	0.0	0.0	0.5	0.5	1.1	2.6	18.4	32.7	15.3	6.3	13.2
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°	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6
2.5°	1706.6	1678.6	1648.1	1619.6	1574.3	1547.4	1514.2	1499.4	1478.4	1473.1	1476.3
5°	1671.8	1623.8	1550.6	1484.2	1398.3	1329.2	1259.6	1230.1	1192.2	1166.9	1156.3
7.5°	1622.8	1560.1	1445.7	1325.0	1206.9	1081.0	985.0	921.8	864.4	832.7	826.4
10°	1573.2	1491.5	1327.6	1154.8	971.9	821.1	691.5	595.6	517.6	482.2	454.8
12.5°	1522.1	1420.4	1207.5	981.9	769.5	563.9	403.7	310.4	254.6	232.4	236.1
15°	1475.2	1351.9	1088.4	809.0	541.8	340.5	222.9	188.2	175.0	170.8	170.2
17.5°	1430.4	1287.0	969.8	640.9	357.3	208.7	170.8	162.3	158.6	156.5	156.5
20°	1389.8	1224.9	853.8	482.8	230.8	165.5	154.4	150.2	147.0	145.5	145.5
22.5°	1351.9	1164.8	740.5	341.5	170.2	148.6	141.8	137.6	133.9	131.8	131.8
25°	1317.6	1110.5	632.5	235.1	146.5	136.0	128.6	123.9	117.5	113.8	113.8
27.5°	1292.8	1062.0	528.6	171.3	132.3	122.3	113.8	107.5	100.7	96.4	95.4
30°	1278.1	1020.9	423.7	140.7	119.1	109.1	99.6	91.7	83.8	79.6	79.1
32.5°	1269.7	982.9	327.8	122.8	108.0	96.4	85.9	77.5	69.6	64.8	64.3
35°	1272.8	953.4	245.6	110.7	97.5	85.4	73.8	65.4	58.5	54.3	53.2
37.5°	1300.2	940.3	184.5	101.2	88.5	75.9	63.8	55.9	49.5	46.4	45.9
40°	1353.5	942.9	144.9	93.8	81.2	66.4	54.8	47.4	42.7	40.1	39.5
42.5°	1436.2	965.0	119.6	87.5	73.3	58.0	47.4	41.6	36.9	34.3	33.7
45°	1559.5	1010.9	104.4	80.1	64.8	50.1	41.1	35.8	31.6	28.5	27.9
47.5°	1738.2	1090.5	94.3	73.3	57.4	43.2	35.3	30.0	26.4	23.7	23.2
50°	1928.5	1185.9	85.9	66.4	51.1	37.4	30.0	24.8	21.6	19.0	18.4
52.5°	2131.4	1288.6	79.6	60.1	45.3	32.1	25.3	20.6	17.4	14.8	14.2
55°	2326.4	1391.9	72.2	55.9	38.5	27.4	21.1	16.9	13.7	11.6	11.6
57.5°	2516.1	1486.8	64.3	49.0	31.6	23.2	17.4	13.7	11.1	9.5	9.0
60°	2742.7	1618.0	55.3	41.6	26.4	19.5	14.2	11.1	9.0	7.4	7.4
62.5°	3079.5	1754.5	47.4	34.8	22.1	16.3	11.6	9.0	7.4	6.3	5.8
65°	3189.7	1680.8	40.1	28.5	17.9	13.2	9.5	7.9	6.3	5.8	5.3
67.5°	2895.6	1377.7	33.2	23.2	14.8	11.1	8.4	6.9	5.8	5.3	4.7
70°	2259.4	977.7	25.8	17.4	12.1	9.0	7.4	6.3	5.3	4.7	4.7
72.5°	1536.9	578.2	20.6	13.2	10.0	7.9	6.3	5.8	5.3	4.7	4.2
75°	756.8	205.5	15.8	10.0	7.9	6.9	5.8	5.3	4.7	4.2	4.2
77.5°	204.0	56.9	12.1	7.9	6.3	5.3	5.3	5.3	4.7	3.7	3.7
80°	69.0	23.7	9.0	5.8	5.3	4.2	3.7	4.7	4.2	3.7	3.2
82.5°	37.9	11.6	6.3	4.7	3.7	3.2	3.2	3.2	3.2	2.6	2.6
85°	24.2	6.3	4.2	3.7	3.7	2.6	2.1	2.1	1.6	1.6	1.6
87.5°	11.1	3.7	3.7	3.2	3.2	2.6	1.6	1.1	0.5	0.5	0.5
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)