

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: P632703

Luminaire Tested: GWS-SA2D-730-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10211.3 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.1
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

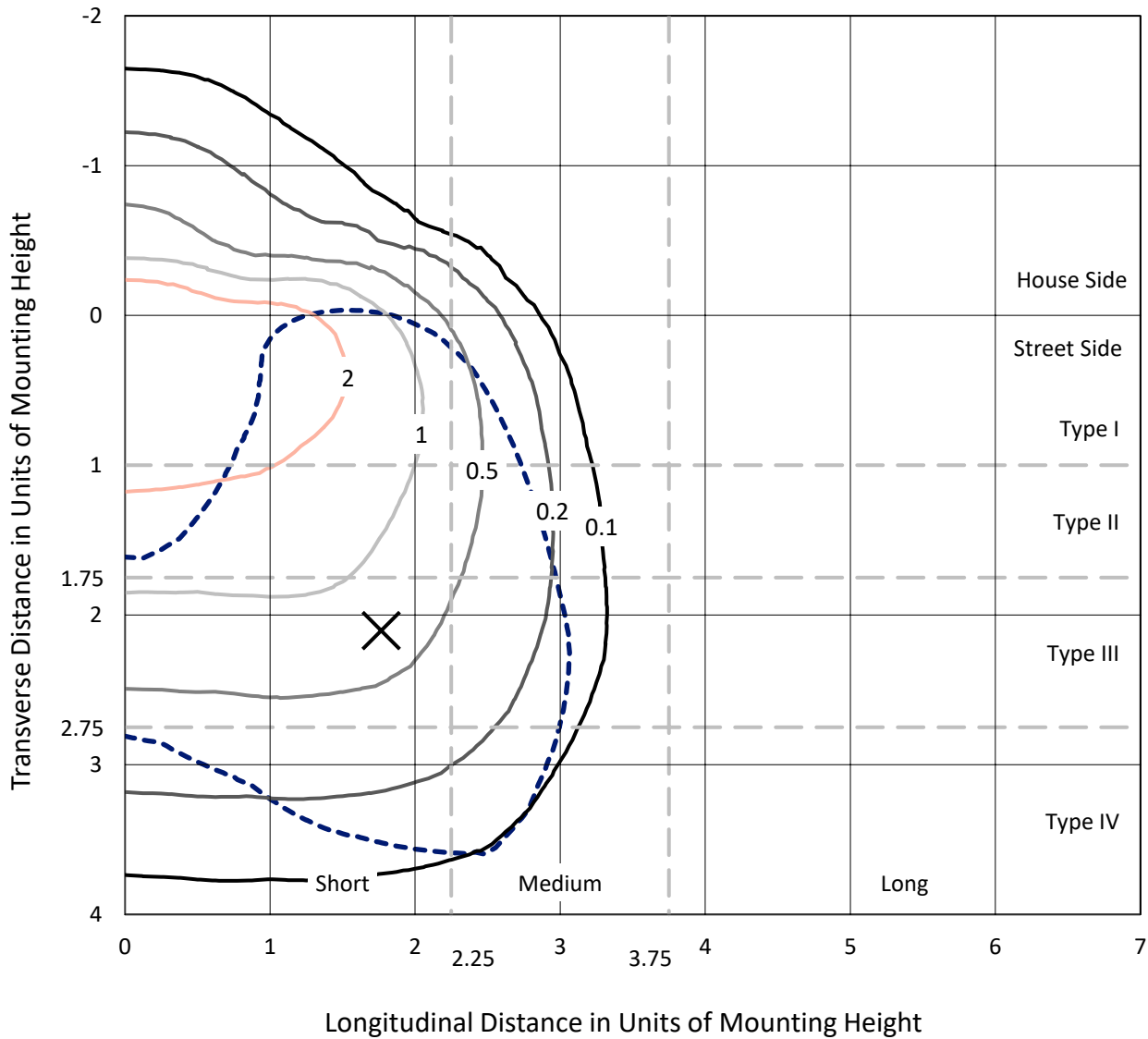


REPORT NUMBER: P632703

CATALOG NUMBER: GWS-SA2D-730-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

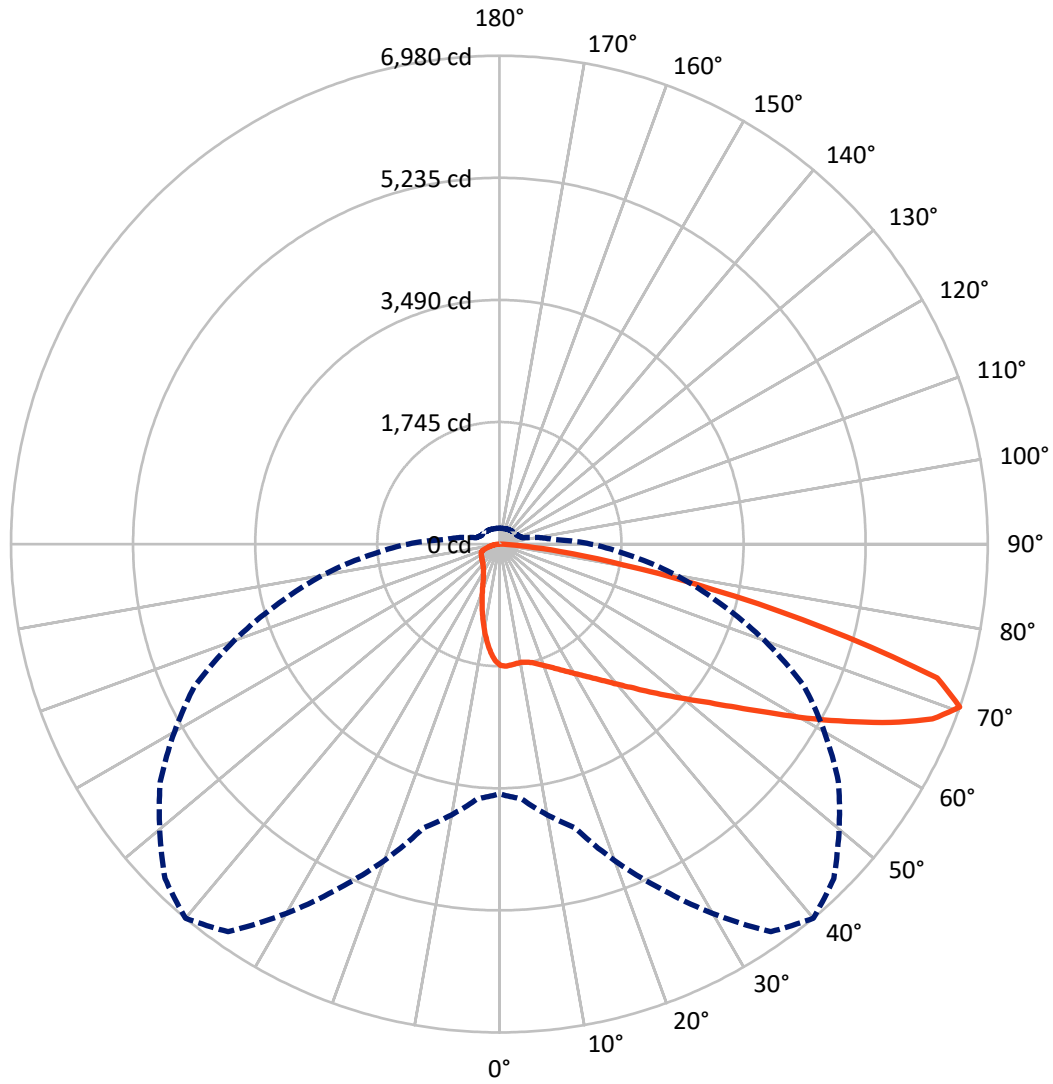
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P632703
CATALOG NUMBER: GWS-SA2D-730-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P632703

CATALOG NUMBER: GWS-SA2D-730-U-SL4-W

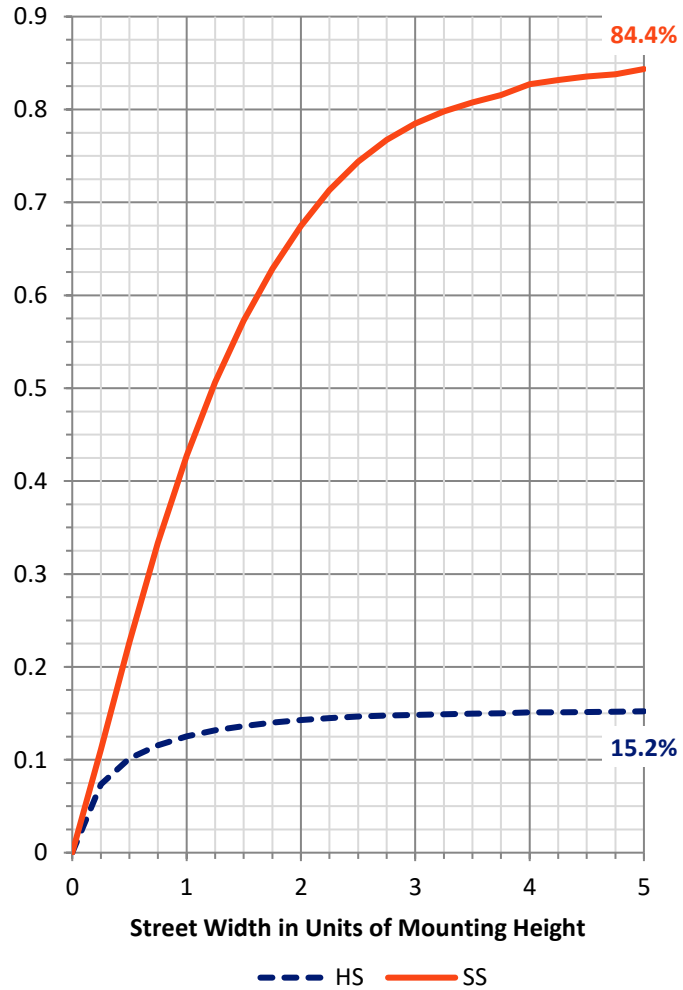
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1572.8	0.0	1572.8
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	8638.5	0.0	8638.5
	% Fixture	84.6	0.0	84.6
Total	Lumens	10211.3	0.0	10211.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.2	1.5
10°-20°	399.3	3.9
20°-30°	627.0	6.1
30°-40°	942.6	9.2
40°-50°	1455.0	14.2
50°-60°	2160.8	21.2
60°-70°	2723.6	26.7
70°-80°	1575.1	15.4
80°-90°	174.8	1.7
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°	10211.3	100.0
0°-180°	10211.3	100.0

Coefficient of Utilization



REPORT NUMBER: P632703

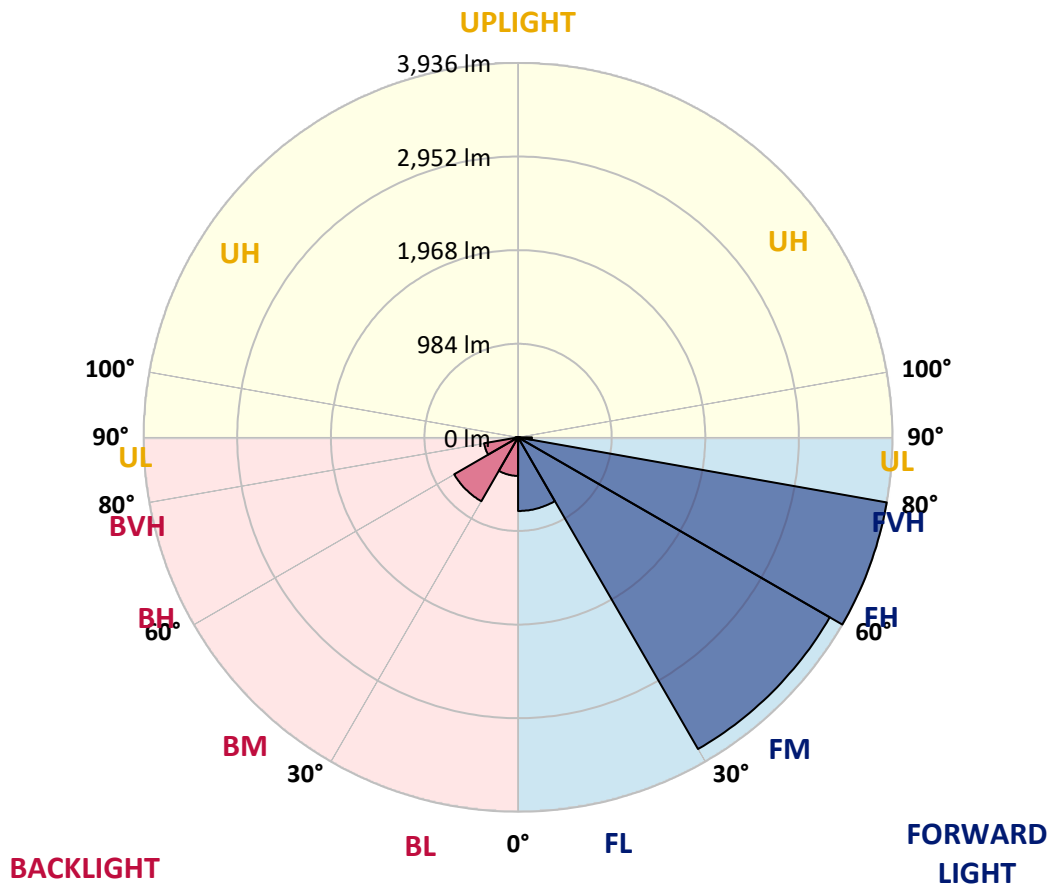
CATALOG NUMBER: GWS-SA2D-730-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	774.1	7.6			
FM (30°-60°)	3783.2	37.0			
FH (60°-80°)	3935.7	38.5			G2/5000
FVH (80°-90°)	145.6	1.4			G2/225
BL (0°-30°)	405.3	4.0	B1/500		
BM (30°-60°)	775.2	7.6	B1/1000		
BH (60°-80°)	363.0	3.6	B1/500		G1/500
BVH (80°-90°)	29.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P632703

CATALOG NUMBER: GWS-SA2D-730-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1744.7	1747.7	1750.0	1753.1	1751.5	1747.0	1750.8	1750.8	1742.4	1733.2	1724.8
5°	1747.0	1750.8	1750.0	1749.2	1743.1	1735.5	1735.5	1730.9	1716.5	1702.0	1688.3
7.5°	1742.4	1741.6	1740.9	1738.6	1731.7	1723.3	1721.8	1712.7	1693.6	1673.8	1654.0
10°	1721.8	1721.0	1723.3	1728.7	1727.1	1719.5	1719.5	1711.1	1689.0	1664.6	1638.7
12.5°	1705.0	1705.0	1714.2	1728.7	1734.0	1730.9	1731.7	1725.6	1700.5	1671.5	1641.0
15°	1707.3	1708.1	1727.9	1751.5	1761.4	1759.1	1759.9	1753.1	1724.8	1695.9	1654.7
17.5°	1722.6	1726.4	1760.7	1793.4	1806.4	1803.4	1798.0	1786.6	1754.6	1721.8	1671.5
20°	1754.6	1760.7	1804.9	1846.0	1861.3	1854.4	1845.3	1822.4	1787.3	1751.5	1689.8
22.5°	1817.8	1821.6	1870.4	1910.8	1923.0	1914.6	1896.3	1863.6	1823.2	1785.8	1711.9
25°	1907.0	1911.6	1958.1	1995.4	1992.4	1982.5	1957.3	1916.9	1868.9	1829.3	1743.9
27.5°	2013.0	2020.6	2066.3	2096.0	2076.2	2061.7	2033.5	1984.8	1930.6	1894.8	1792.7
30°	2128.8	2131.9	2170.7	2200.5	2170.0	2150.2	2115.9	2063.3	2014.5	1987.8	1865.9
32.5°	2240.9	2243.9	2277.4	2294.2	2262.2	2247.7	2218.0	2162.3	2128.1	2113.6	1974.8
35°	2359.0	2358.2	2385.7	2400.2	2367.4	2361.3	2330.8	2288.1	2282.0	2301.1	2134.1
37.5°	2477.1	2470.3	2484.8	2503.8	2485.5	2491.6	2471.8	2457.3	2480.9	2530.5	2346.0
40°	2571.6	2571.6	2586.9	2610.5	2616.6	2643.3	2631.9	2650.9	2727.1	2845.3	2608.2
42.5°	2655.5	2656.3	2688.3	2724.9	2769.1	2810.2	2819.4	2868.9	3026.7	3211.9	2937.5
45°	2743.1	2743.9	2787.4	2840.7	2934.5	3013.0	3031.3	3142.5	3368.1	3593.8	3295.0
47.5°	2844.5	2836.1	2896.3	2985.5	3118.9	3231.7	3279.0	3436.7	3721.8	3999.2	3631.9
50°	2958.8	2941.3	3008.4	3162.4	3327.0	3481.7	3561.0	3741.6	4101.4	4373.5	3948.9
52.5°	3087.7	3077.7	3147.9	3335.4	3586.9	3765.2	3872.7	4109.8	4470.3	4746.2	4200.5
55°	3247.7	3224.1	3325.5	3564.0	3891.8	4118.9	4246.2	4474.1	4873.5	5084.6	4392.5
57.5°	3423.0	3397.1	3532.8	3849.9	4288.1	4537.4	4696.7	4884.2	5253.1	5343.8	4505.3
60°	3612.0	3603.7	3764.5	4185.2	4760.7	5050.3	5165.4	5335.4	5583.1	5493.9	4477.1
62.5°	3785.1	3782.0	4016.0	4548.8	5261.4	5580.0	5671.5	5716.5	5820.9	5484.0	4253.1
65°	3967.2	3993.1	4309.5	4970.3	5835.4	6147.9	6186.0	6071.7	5900.9	5224.1	3794.2
67.5°	3990.1	4040.4	4493.9	5365.1	6379.6	6674.6	6644.1	6206.6	5664.6	4500.8	2974.1
70°	3568.6	3656.3	4199.7	5425.3	6763.0	6980.2	6759.9	5916.2	4807.2	3260.7	1870.4
72.5°	2981.7	3057.2	3537.4	4626.5	6268.3	6545.0	6247.0	5007.6	3397.1	1870.4	952.7
75°	2320.9	2408.5	2851.4	3677.6	4692.8	4803.4	4654.0	3492.4	1867.4	771.3	432.9
77.5°	1416.2	1479.4	1823.9	2491.6	3283.5	3118.1	2642.5	1958.1	819.4	369.7	267.5
80°	626.5	665.4	898.6	1338.4	1897.1	1793.4	1413.9	836.1	448.2	234.8	186.7
82.5°	336.1	361.3	442.8	529.7	833.1	871.2	706.6	481.7	240.9	134.1	106.7
85°	147.9	162.3	201.2	192.1	273.6	269.1	271.3	330.8	115.1	61.7	69.4
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	8.4	44.2	11.4	18.3	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632703
 CATALOG NUMBER: GWS-SA2D-730-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1715.7	1702.0	1698.2	1693.6	1685.2	1670.7	1660.1	1647.9	1642.5	1636.4	1637.2
5°	1673.0	1656.3	1640.2	1619.7	1593.8	1564.8	1545.0	1522.1	1509.9	1498.5	1501.5
7.5°	1636.4	1610.5	1577.7	1534.3	1487.8	1436.0	1394.1	1361.3	1339.2	1323.9	1331.6
10°	1613.6	1583.1	1525.9	1455.0	1376.5	1297.3	1237.0	1180.6	1145.6	1118.1	1116.6
12.5°	1609.0	1569.4	1486.3	1383.4	1269.8	1163.9	1075.5	999.2	952.7	918.4	931.4
15°	1613.6	1563.3	1452.0	1317.1	1173.8	1030.5	920.7	833.1	777.4	746.2	743.9
17.5°	1618.9	1557.2	1413.1	1245.4	1073.2	909.3	782.0	689.0	631.9	600.6	601.4
20°	1623.5	1548.0	1367.4	1166.9	971.0	796.5	664.6	576.2	525.2	502.3	506.1
22.5°	1631.1	1538.9	1318.6	1083.1	866.6	687.5	571.6	500.0	469.5	454.3	455.0
25°	1645.6	1533.5	1268.3	991.6	763.7	600.6	507.6	459.6	440.5	431.4	430.6
27.5°	1675.3	1538.1	1215.7	903.2	670.7	534.3	466.5	435.2	422.3	416.2	415.4
30°	1724.8	1556.4	1170.0	813.3	590.7	482.5	438.3	419.2	411.6	406.3	405.5
32.5°	1800.3	1590.7	1120.4	729.4	525.9	444.4	416.2	406.3	400.9	397.9	397.9
35°	1914.6	1653.2	1071.6	656.3	475.6	414.6	398.6	394.8	390.2	388.7	390.2
37.5°	2079.3	1753.1	1027.4	592.2	439.8	391.8	379.6	381.1	377.3	379.6	381.9
40°	2288.1	1886.4	990.1	539.6	413.1	375.0	362.8	368.1	365.9	368.1	372.0
42.5°	2552.6	2051.8	961.9	498.5	394.1	361.3	349.8	355.2	353.7	356.7	360.5
45°	2847.6	2269.8	948.9	469.5	380.3	351.4	339.2	343.0	341.5	343.8	347.6
47.5°	3130.3	2468.0	960.4	452.7	368.9	343.0	330.0	331.6	330.8	330.0	332.3
50°	3374.2	2625.8	993.1	447.4	361.3	334.6	322.4	323.2	320.9	316.3	317.8
52.5°	3573.2	2752.3	1013.0	447.4	357.5	325.5	314.0	314.8	310.2	304.1	304.9
55°	3704.3	2803.4	997.0	446.6	355.9	317.8	305.6	306.4	301.8	294.2	295.0
57.5°	3741.6	2753.8	929.9	438.3	354.4	311.7	297.3	298.8	295.7	287.3	287.3
60°	3637.2	2572.4	807.2	419.2	350.6	307.9	291.2	293.4	291.9	283.5	283.5
62.5°	3363.6	2250.0	660.8	390.2	339.9	303.4	285.8	290.4	294.2	289.6	288.9
65°	2851.4	1802.6	537.3	358.2	326.2	295.7	278.2	289.6	298.0	304.1	304.1
67.5°	2139.5	1290.4	438.3	324.7	305.6	280.5	268.3	279.0	285.1	288.9	291.2
70°	1304.1	759.1	345.3	285.8	275.9	257.6	248.5	237.8	229.4	227.9	228.7
72.5°	638.0	434.5	280.5	243.1	235.5	218.8	198.2	193.6	189.8	187.5	186.7
75°	351.4	302.6	231.7	202.0	188.3	167.7	163.1	155.5	154.0	150.9	151.7
77.5°	248.5	238.6	191.3	163.9	143.3	132.6	134.9	129.6	129.6	127.3	126.5
80°	186.7	187.5	147.1	119.7	105.9	102.1	104.4	104.4	102.9	102.1	101.4
82.5°	118.1	133.4	99.1	77.0	75.5	76.2	75.5	74.7	76.2	73.9	73.2
85°	81.6	96.0	60.2	45.7	45.7	45.0	46.5	45.7	47.3	45.0	45.0
87.5°	18.3	42.7	22.1	13.7	14.5	13.7	14.5	15.2	16.8	17.5	17.5
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)