

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: P635097

Luminaire Tested: GWS-SA3D-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12851.7 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

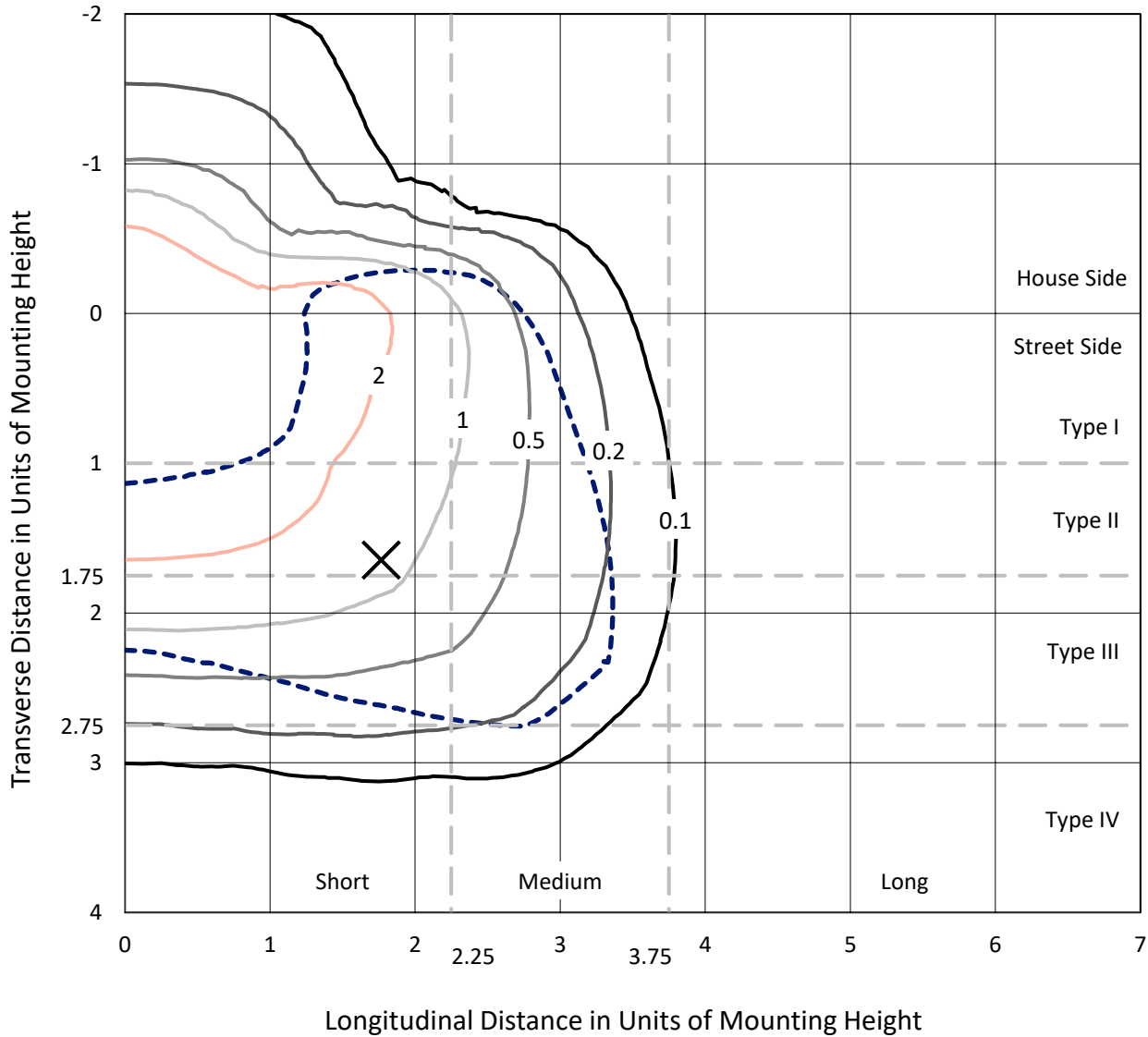
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

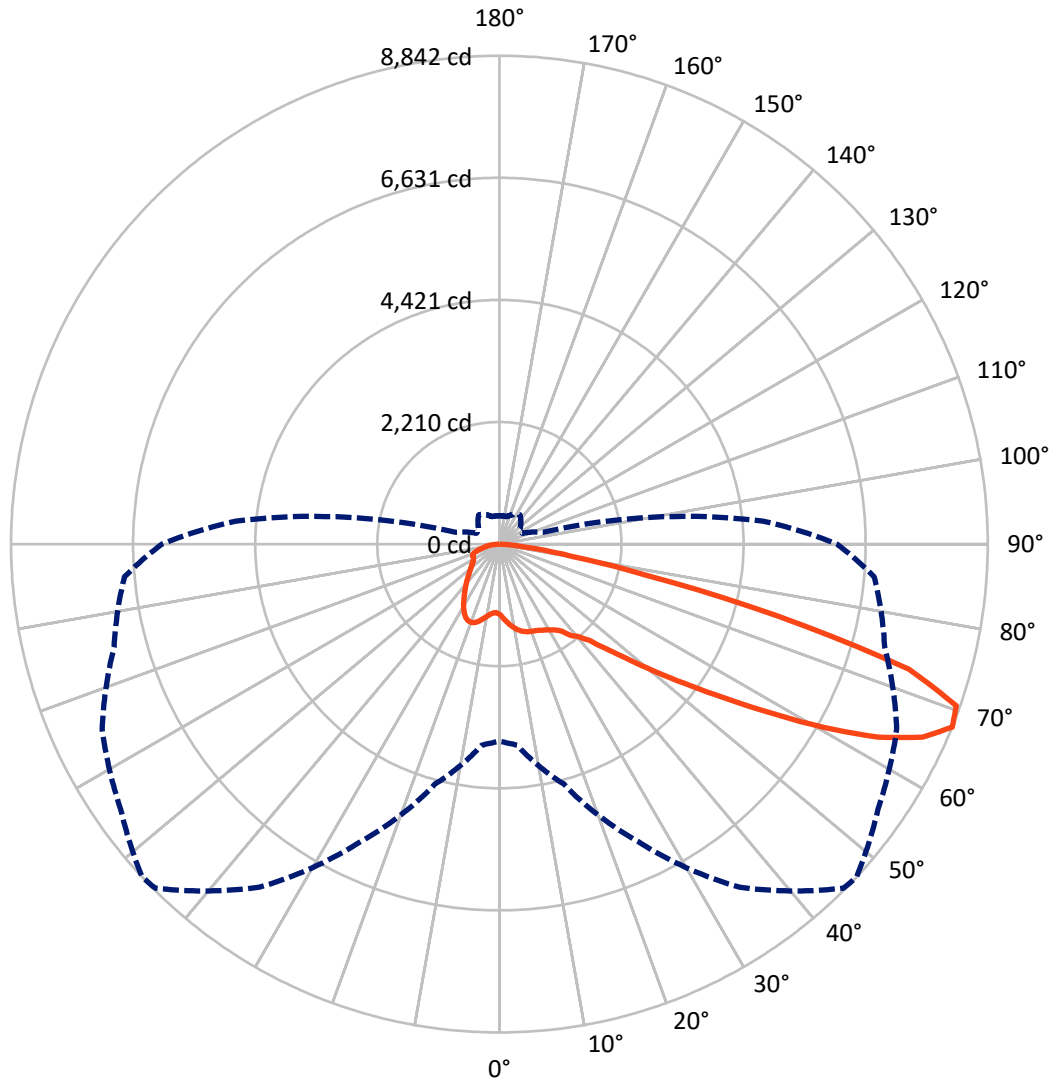
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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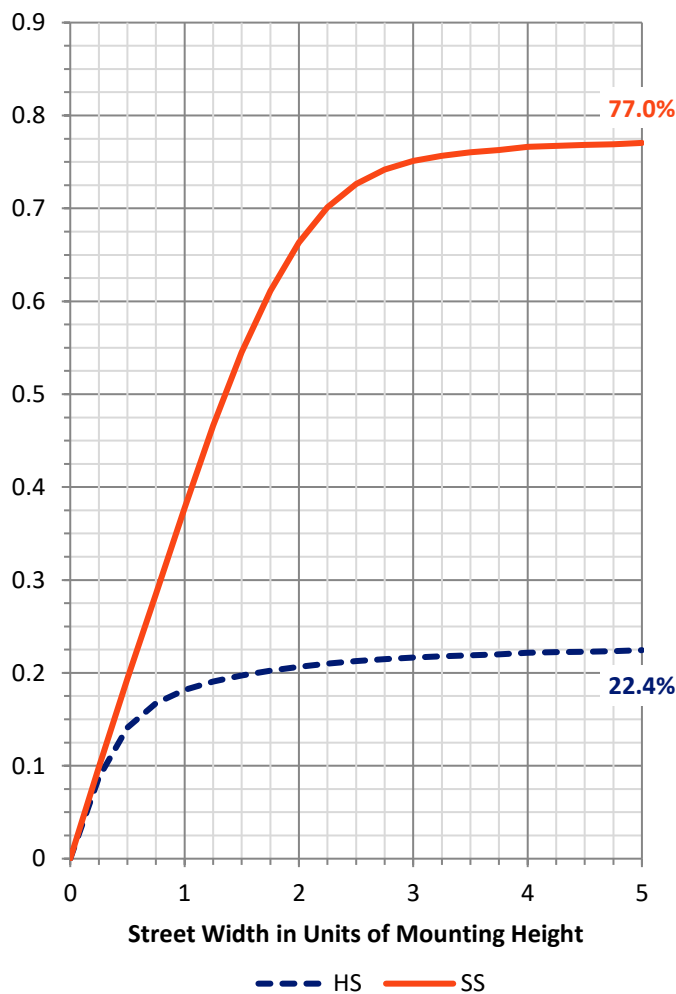
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2929.0	0.0	2929.0
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	9922.7	0.0	9922.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	12851.7	0.0	12851.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	1.0
10°-20°	433.8	3.4
20°-30°	737.3	5.7
30°-40°	1080.1	8.4
40°-50°	1645.7	12.8
50°-60°	2944.5	22.9
60°-70°	3929.1	30.6
70°-80°	1776.8	13.8
80°-90°	174.1	1.4
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°	12851.7	100.0
0°-180°	12851.7	100.0

Coefficient of Utilization



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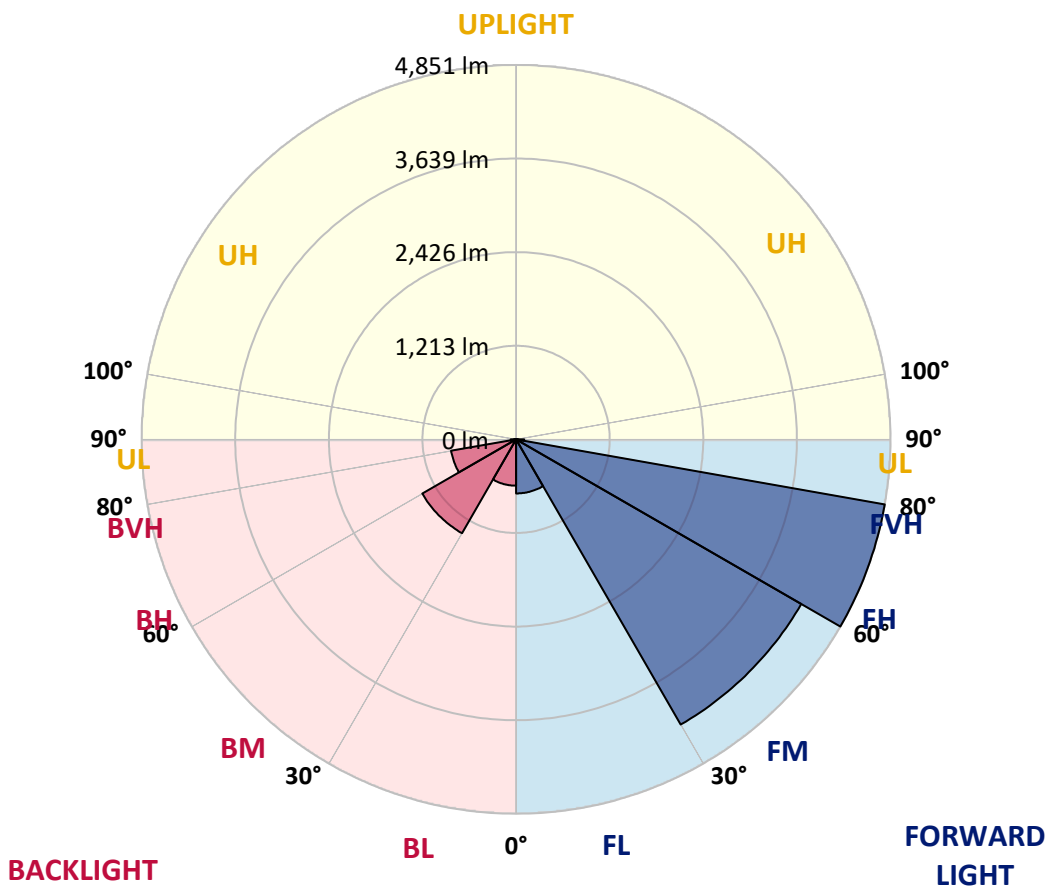
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	700.9	5.5			
FM (30°-60°)	4266.9	33.2			
FH (60°-80°)	4851.4	37.7			G2/5000
FVH (80°-90°)	103.5	0.8			G2/225
BL (0°-30°)	600.5	4.7	B2/1000		
BM (30°-60°)	1403.4	10.9	B2/2500		
BH (60°-80°)	854.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	70.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0
2.5°	1358.6	1363.2	1362.3	1354.9	1350.2	1341.8	1342.8	1329.8	1310.3	1297.2	1282.4
5°	1478.4	1485.9	1476.6	1464.5	1445.9	1419.0	1416.2	1386.5	1349.3	1323.3	1296.3
7.5°	1582.5	1587.2	1576.0	1555.6	1528.6	1492.4	1485.9	1450.6	1404.1	1363.2	1324.2
10°	1663.4	1668.9	1654.1	1627.1	1591.8	1555.6	1550.9	1514.7	1465.4	1417.1	1367.9
12.5°	1732.1	1734.0	1718.2	1682.0	1643.9	1606.7	1602.0	1568.6	1523.1	1473.8	1419.9
15°	1772.1	1773.0	1753.5	1713.5	1677.3	1644.8	1642.0	1613.2	1571.4	1524.9	1467.3
17.5°	1769.3	1771.2	1757.2	1721.9	1690.3	1670.8	1668.0	1649.4	1616.9	1575.1	1517.5
20°	1734.9	1736.8	1727.5	1704.3	1687.5	1682.0	1682.9	1677.3	1657.8	1623.4	1564.9
22.5°	1708.0	1710.8	1702.4	1685.7	1683.8	1696.8	1699.6	1702.4	1693.1	1662.4	1605.8
25°	1721.0	1725.6	1712.6	1689.4	1693.1	1721.9	1727.5	1736.8	1729.3	1703.3	1654.1
27.5°	1811.1	1813.9	1780.5	1733.1	1721.9	1752.6	1760.9	1775.8	1770.2	1746.1	1708.0
30°	2020.2	2018.3	1946.8	1830.6	1784.2	1796.3	1802.8	1824.1	1826.0	1810.2	1773.9
32.5°	2314.8	2305.5	2194.9	2010.0	1875.2	1845.5	1852.9	1881.7	1903.1	1886.4	1837.1
35°	2626.1	2617.7	2496.0	2279.5	2043.4	1940.3	1931.9	1954.2	1986.7	1940.3	1869.7
37.5°	2922.5	2909.5	2785.0	2517.4	2250.7	2106.6	2094.5	2072.2	2052.7	1963.5	1909.6
40°	3251.5	3236.6	3127.9	2824.9	2479.3	2233.9	2203.3	2115.0	2097.3	2040.6	2013.7
42.5°	3602.7	3602.7	3512.6	3214.3	2755.2	2416.1	2376.1	2243.2	2261.8	2224.6	2193.0
45°	3954.0	3964.2	3892.7	3606.4	3124.2	2759.9	2695.8	2507.1	2551.7	2535.0	2519.2
47.5°	4253.2	4272.7	4258.8	4007.0	3575.8	3178.1	3080.5	2884.4	2980.1	3020.1	3064.7
50°	4575.7	4597.0	4583.1	4483.7	4104.5	3684.5	3597.2	3394.6	3559.1	3678.9	3824.8
52.5°	5054.2	5084.9	4968.7	4930.6	4746.6	4259.7	4181.7	3951.2	4249.5	4448.3	4773.6
55°	5458.5	5457.5	5416.6	5504.0	5436.1	4963.2	4876.7	4667.7	5048.6	5259.6	5735.4
57.5°	5646.2	5668.5	5808.8	6056.0	6191.6	5822.7	5740.0	5526.3	5906.4	6016.0	6529.9
60°	5742.8	5770.7	6042.0	6530.8	6896.0	6761.3	6728.7	6456.5	6670.2	6657.2	7199.9
62.5°	5607.1	5662.9	6098.7	6748.3	7398.7	7704.5	7694.2	7282.6	7319.8	7192.4	7615.3
65°	4984.5	5044.9	5728.9	6639.5	7685.9	8421.8	8424.6	8030.6	7818.8	7452.6	7545.6
67.5°	3564.6	3651.0	4496.7	5940.7	7584.6	8809.3	8841.9	8369.8	7935.8	7222.2	6813.3
70°	1943.1	2006.3	2668.8	4318.3	6672.1	8716.4	8776.8	8206.3	7419.2	6247.4	5244.7
72.5°	882.8	903.2	1241.5	2369.6	4558.0	7502.8	7755.6	7323.5	6093.1	4614.7	3335.1
75°	404.2	413.5	540.8	1133.7	2381.7	5020.8	5198.3	5454.7	4240.2	2914.1	1738.6
77.5°	253.7	256.5	307.6	518.5	1187.6	2506.2	2693.0	3247.8	2483.0	1442.2	726.7
80°	149.6	152.4	191.4	280.6	557.6	1146.7	1324.2	1284.2	1167.1	622.6	330.8
82.5°	75.3	78.1	110.6	159.8	303.9	456.3	537.1	539.9	434.9	337.3	186.8
85°	26.9	27.9	36.2	63.2	129.2	150.5	168.2	205.4	212.8	196.1	90.1
87.5°	0.0	0.0	0.9	1.9	3.7	14.9	15.8	29.7	62.3	69.7	36.2
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°	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0
2.5°	1277.7	1263.8	1259.1	1254.5	1247.1	1244.3	1238.7	1233.1	1233.1	1227.5	1224.8
5°	1284.2	1265.6	1253.6	1248.0	1243.3	1246.1	1246.1	1248.0	1254.5	1250.8	1252.6
7.5°	1307.5	1286.1	1269.4	1264.7	1264.7	1275.9	1283.3	1292.6	1304.7	1306.5	1306.5
10°	1348.4	1323.3	1305.6	1302.8	1307.5	1323.3	1334.4	1345.6	1360.4	1361.4	1363.2
12.5°	1393.0	1367.9	1350.2	1353.9	1358.6	1379.0	1391.1	1400.4	1415.3	1415.3	1414.3
15°	1439.4	1411.5	1396.7	1404.1	1418.0	1441.3	1443.1	1444.1	1451.5	1449.6	1448.7
17.5°	1487.7	1458.0	1446.9	1458.0	1472.9	1484.0	1474.7	1461.7	1458.9	1455.2	1453.4
20°	1535.1	1504.5	1499.8	1508.2	1512.8	1503.5	1474.7	1450.6	1439.4	1433.8	1432.0
22.5°	1576.0	1550.0	1547.2	1547.2	1524.0	1491.5	1448.7	1416.2	1401.3	1393.9	1392.0
25°	1624.3	1600.2	1595.5	1570.4	1511.0	1451.5	1393.9	1364.1	1352.1	1348.4	1349.3
27.5°	1681.0	1664.3	1649.4	1577.9	1473.8	1380.9	1315.8	1302.8	1298.2	1302.8	1305.6
30°	1750.7	1734.0	1700.5	1568.6	1414.3	1288.9	1226.6	1225.7	1239.6	1251.7	1253.6
32.5°	1807.4	1800.0	1745.1	1538.8	1330.7	1187.6	1134.6	1138.3	1163.4	1180.2	1182.9
35°	1852.0	1864.1	1782.3	1489.6	1231.3	1091.9	1050.1	1051.9	1065.9	1089.1	1090.0
37.5°	1915.2	1956.1	1815.8	1414.3	1117.0	1009.2	971.1	957.1	955.3	961.8	963.6
40°	2042.5	2103.8	1839.9	1304.7	1006.4	934.8	892.1	865.1	841.9	824.3	818.7
42.5°	2234.9	2305.5	1853.9	1171.8	907.9	861.4	813.1	778.7	737.8	700.7	687.6
45°	2588.0	2611.2	1853.9	1030.5	820.5	792.7	744.3	703.4	651.4	607.7	598.4
47.5°	3153.0	3078.6	1855.7	893.9	743.4	732.3	690.4	644.0	586.4	550.1	544.5
50°	4004.2	3743.0	1893.8	780.6	679.3	681.1	650.5	599.4	547.3	520.4	515.7
52.5°	4968.7	4561.7	1996.0	696.9	625.4	639.3	622.6	573.4	526.9	503.7	499.0
55°	5875.7	5314.4	2083.4	637.5	579.9	604.0	603.1	557.6	515.7	492.5	489.7
57.5°	6647.0	5830.2	2070.4	589.1	540.8	571.5	585.4	547.3	508.3	488.8	486.0
60°	7126.5	6103.4	1885.5	544.5	511.1	548.3	575.2	544.5	512.0	507.4	508.3
62.5°	7334.6	6053.2	1530.5	511.1	491.6	537.1	586.4	564.1	546.4	557.6	564.1
65°	7011.2	5622.0	1126.3	486.0	473.0	539.9	612.4	594.7	546.4	553.8	556.6
67.5°	6113.6	4785.7	814.0	460.9	449.8	548.3	649.6	590.1	514.8	514.8	509.2
70°	4405.6	3442.0	591.0	435.8	426.5	536.2	651.4	558.5	478.6	475.8	461.8
72.5°	2651.2	2030.4	460.9	407.9	391.2	475.8	610.5	521.3	443.3	420.0	403.3
75°	1377.2	1017.5	386.6	377.3	335.5	403.3	558.5	463.7	379.1	358.7	349.4
77.5°	590.1	475.8	331.7	336.4	278.8	339.2	450.7	401.4	336.4	310.4	302.0
80°	290.9	270.4	262.1	269.5	223.0	262.1	388.4	351.3	285.3	255.5	243.5
82.5°	166.3	158.0	188.6	191.4	158.9	219.3	328.0	297.4	236.0	203.5	184.0
85°	77.1	82.7	114.3	115.2	98.5	150.5	214.7	167.3	125.4	104.1	99.4
87.5°	30.7	36.2	50.2	49.3	28.8	27.9	18.6	10.2	8.4	7.4	6.5
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)