

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: P631956

Luminaire Tested: GWS-SA2B-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6104.4 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

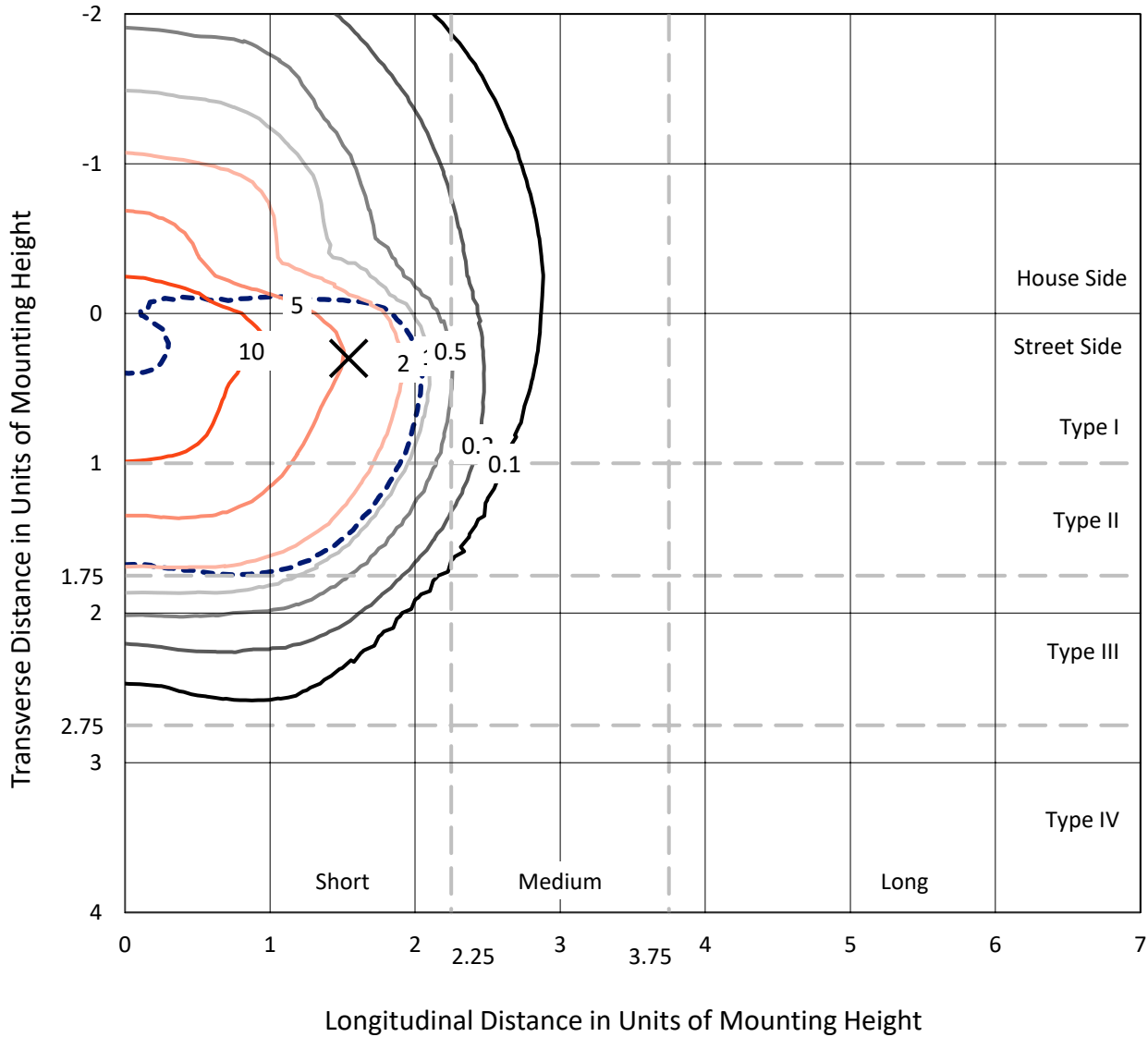
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

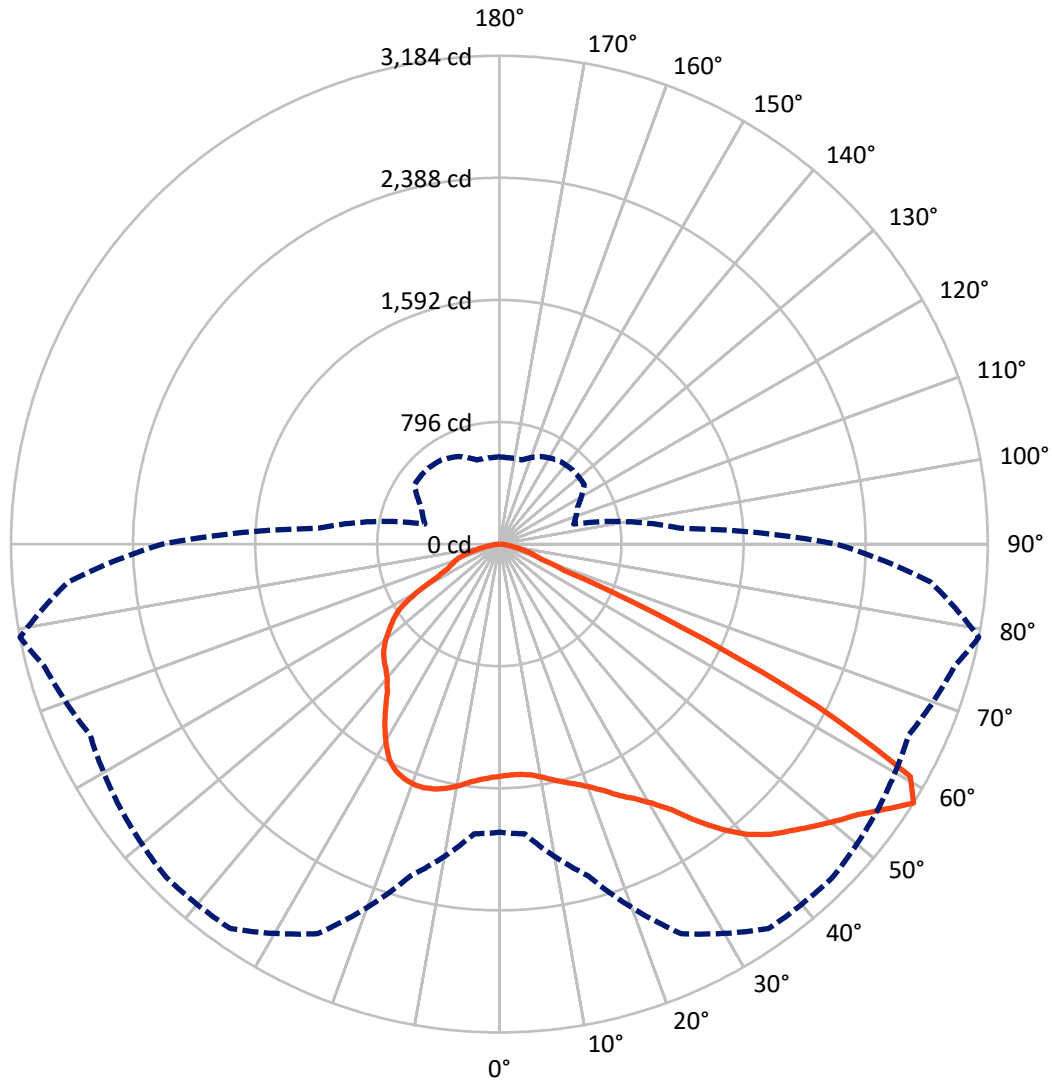
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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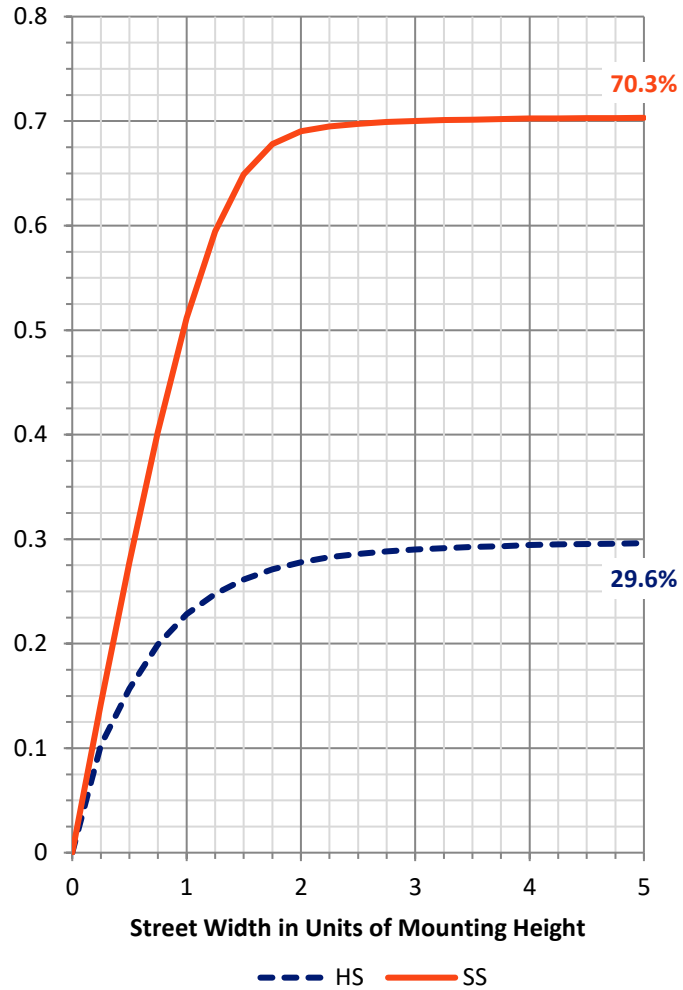
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1814.6	0.0	1814.6
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	4289.9	0.0	4289.9
	% Fixture	70.3	0.0	70.3
Total	Lumens	6104.4	0.0	6104.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	2.3
10°-20°	389.3	6.4
20°-30°	659.9	10.8
30°-40°	1010.1	16.5
40°-50°	1346.9	22.1
50°-60°	1555.6	25.5
60°-70°	808.3	13.2
70°-80°	171.8	2.8
80°-90°	22.3	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°	6104.4	100.0
0°-180°	6104.4	100.0

Coefficient of Utilization



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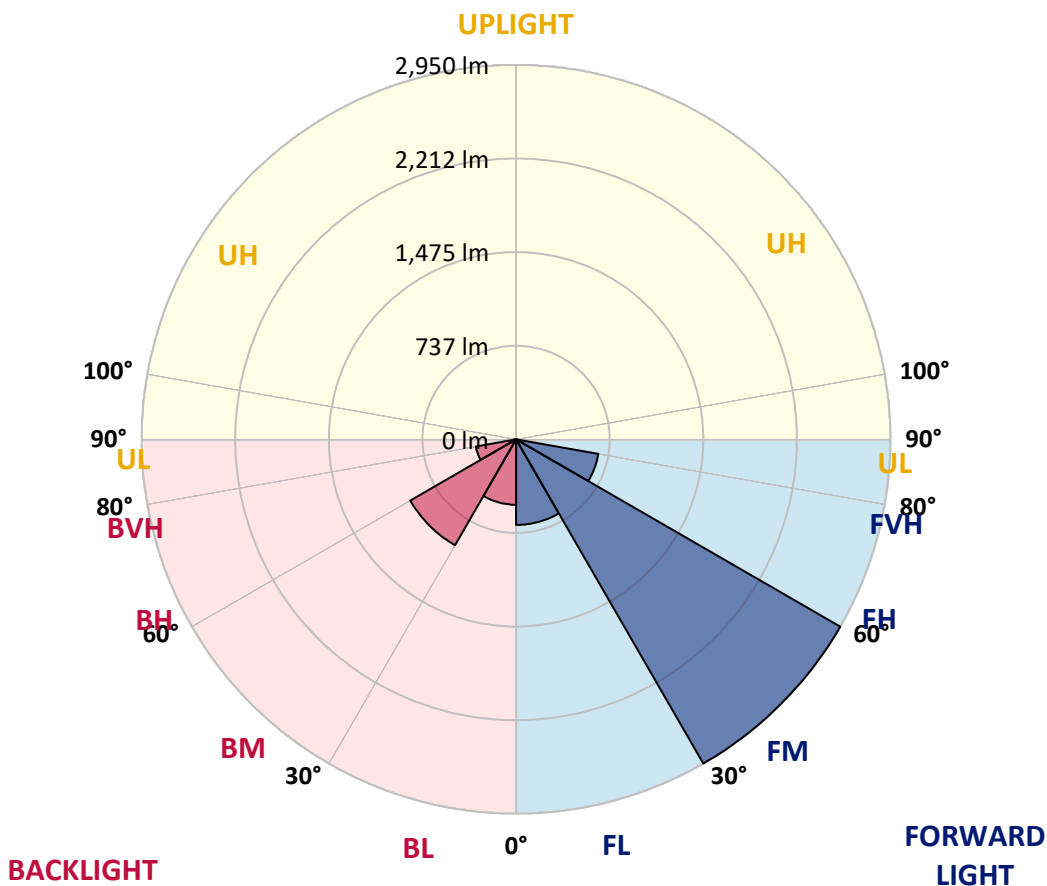
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	674.1	11.0			
FM (30°-60°)	2949.8	48.3			
FH (60°-80°)	658.2	10.8			G0/660
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	515.3	8.4	B2/1000		
BM (30°-60°)	962.8	15.8	B1/1000		
BH (60°-80°)	322.0	5.3	B1/500		G1/500
BVH (80°-90°)	14.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1443.9	1440.9	1441.9	1445.9	1460.9	1471.9	1483.4	1493.8	1503.8	1506.8	1509.3
5°	1392.5	1387.0	1388.5	1395.0	1412.5	1431.0	1451.4	1476.4	1500.3	1508.3	1518.8
7.5°	1356.1	1355.1	1357.6	1367.6	1386.0	1403.5	1430.0	1465.4	1506.8	1520.3	1538.8
10°	1307.7	1305.7	1315.7	1336.1	1366.6	1394.5	1426.0	1467.9	1525.8	1545.8	1574.2
12.5°	1269.2	1268.2	1278.7	1307.2	1346.1	1390.5	1434.0	1480.9	1551.2	1578.7	1613.6
15°	1291.7	1287.2	1287.7	1307.7	1342.6	1395.0	1453.9	1504.3	1576.7	1611.6	1656.6
17.5°	1357.1	1349.1	1343.1	1346.6	1366.6	1421.0	1484.4	1535.8	1606.1	1647.1	1702.0
20°	1447.4	1442.9	1426.5	1415.5	1420.0	1467.9	1532.3	1580.2	1644.6	1690.5	1749.4
22.5°	1568.7	1557.7	1535.3	1517.8	1504.3	1541.8	1601.2	1642.6	1698.0	1745.9	1807.3
25°	1718.9	1703.0	1667.5	1640.1	1611.1	1649.6	1702.5	1733.9	1771.4	1815.8	1874.2
27.5°	1872.2	1858.7	1819.3	1782.3	1746.4	1770.4	1833.2	1851.2	1847.2	1879.7	1929.6
30°	2035.4	2018.4	1981.0	1941.1	1894.6	1910.1	1966.5	1975.5	1933.1	1960.0	1994.0
32.5°	2207.6	2191.1	2158.7	2112.2	2059.8	2065.8	2081.3	2089.8	2049.4	2064.8	2090.8
35°	2382.8	2367.3	2334.4	2288.4	2250.0	2213.6	2174.6	2208.6	2185.1	2215.1	2213.1
37.5°	2543.0	2527.5	2507.0	2471.6	2405.7	2333.9	2244.0	2285.9	2322.4	2360.3	2353.8
40°	2651.3	2640.8	2645.8	2640.3	2555.5	2413.2	2278.0	2323.9	2423.2	2488.1	2484.6
42.5°	2744.6	2734.1	2763.1	2784.1	2684.2	2486.6	2294.4	2338.3	2487.6	2588.9	2583.9
45°	2786.0	2783.1	2831.0	2897.4	2802.0	2564.4	2336.8	2368.3	2536.5	2666.3	2647.3
47.5°	2736.6	2747.1	2841.5	2953.8	2899.8	2656.8	2423.7	2431.7	2600.4	2750.1	2696.7
50°	2638.3	2661.3	2788.5	2955.2	2971.2	2761.1	2544.0	2524.0	2686.2	2839.5	2722.7
52.5°	2495.1	2519.0	2726.7	2943.8	3012.1	2881.9	2704.2	2675.7	2794.5	2928.8	2727.2
55°	2166.2	2198.6	2584.9	2917.8	3052.1	2991.7	2884.9	2827.0	2934.3	3051.6	2771.6
57.5°	1879.2	1896.1	2239.5	2802.5	3060.1	3072.5	3013.6	2944.8	3073.0	3184.3	2821.5
60°	1379.0	1383.0	1692.0	2318.9	2815.0	3025.6	3003.2	2900.8	3007.2	3078.0	2592.9
62.5°	779.1	779.6	1026.2	1547.7	2102.8	2466.1	2480.1	2389.8	2300.4	2321.4	1804.8
65°	292.5	319.9	468.7	760.6	1212.3	1455.9	1513.8	1534.8	1386.0	1293.7	967.8
67.5°	195.7	202.1	273.5	391.3	539.5	622.9	696.8	698.8	511.1	455.7	381.3
70°	149.2	155.7	215.1	280.0	273.5	252.6	273.0	265.5	274.5	282.0	290.0
72.5°	111.3	117.8	166.7	197.6	164.2	161.7	183.2	203.6	222.6	230.6	243.1
75°	73.9	78.9	112.3	105.8	90.8	107.3	133.8	154.2	165.2	174.7	184.2
77.5°	46.9	50.4	59.9	48.4	50.4	62.9	77.9	96.3	106.8	116.3	121.3
80°	21.5	21.0	20.5	23.0	28.4	36.9	46.9	57.9	65.9	69.9	72.9
82.5°	8.5	9.5	10.5	12.5	15.5	20.0	26.5	33.9	40.4	41.4	43.9
85°	3.5	4.0	4.5	5.5	7.0	9.0	11.0	15.5	19.5	21.0	22.5
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.5	4.5	5.0	5.5
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°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1522.8	1516.3	1527.3	1534.8	1541.8	1534.3	1531.8	1525.3	1524.3	1524.3	1527.8
5°	1536.8	1532.3	1543.8	1548.2	1547.7	1531.3	1521.3	1508.3	1501.8	1501.8	1502.8
7.5°	1561.7	1559.2	1565.7	1558.7	1542.8	1509.3	1476.4	1448.9	1430.5	1421.0	1424.0
10°	1603.2	1600.2	1594.7	1568.7	1522.8	1453.4	1386.0	1336.1	1306.2	1289.2	1290.2
12.5°	1643.6	1638.6	1619.1	1561.7	1467.4	1357.1	1268.7	1212.8	1179.9	1159.9	1155.4
15°	1688.0	1675.0	1633.1	1525.8	1377.1	1239.3	1147.0	1086.6	1051.1	1039.2	1038.7
17.5°	1730.4	1707.5	1631.6	1461.9	1268.7	1116.0	1023.2	985.7	979.8	985.2	986.7
20°	1773.3	1736.4	1615.1	1373.6	1140.0	993.2	945.3	960.8	983.3	998.2	1001.7
22.5°	1817.8	1760.4	1577.7	1259.8	1004.2	910.4	930.3	964.3	992.2	1012.2	1014.2
25°	1867.7	1782.8	1521.8	1120.5	895.4	887.4	926.9	962.8	992.7	1015.7	1019.7
27.5°	1896.1	1783.3	1443.4	977.3	845.5	878.4	918.4	952.3	982.3	1007.2	1011.7
30°	1924.1	1769.9	1319.2	861.0	831.0	868.0	903.9	935.3	963.8	988.2	993.7
32.5°	1963.5	1757.4	1175.9	794.1	822.5	858.0	887.4	915.4	937.3	948.3	951.3
35°	2012.4	1741.4	1023.7	765.1	817.0	850.0	875.9	890.9	862.5	856.5	863.0
37.5°	2080.8	1726.4	872.0	752.7	813.6	847.0	870.0	831.5	796.6	782.6	787.6
40°	2154.7	1717.9	769.1	742.7	815.1	850.0	845.0	788.1	737.7	708.2	707.2
42.5°	2217.6	1705.0	703.3	736.2	819.0	861.5	811.1	749.7	674.8	657.3	657.8
45°	2260.0	1672.0	668.3	729.2	822.5	864.0	795.1	696.8	643.4	632.4	631.9
47.5°	2277.5	1612.1	645.9	718.2	822.0	843.5	762.6	674.8	621.4	618.4	620.4
50°	2266.0	1513.8	622.9	696.8	810.1	822.0	725.2	655.3	606.4	622.9	634.9
52.5°	2223.5	1386.5	595.4	667.3	788.6	797.6	706.2	643.4	595.4	617.4	626.9
55°	2212.6	1283.2	560.5	628.9	756.7	754.2	686.3	637.4	588.0	579.5	581.0
57.5°	2198.1	1182.4	502.6	560.0	675.8	679.8	667.3	630.4	568.5	566.0	568.5
60°	1909.6	906.4	448.2	483.1	555.0	576.5	645.9	617.4	537.0	526.6	526.1
62.5°	1247.3	549.0	398.8	421.3	452.2	477.2	589.0	580.0	502.6	496.1	500.6
65°	670.8	391.3	362.9	376.3	393.3	412.3	488.1	516.6	454.2	431.2	431.7
67.5°	342.9	332.9	335.9	345.4	358.4	367.8	393.8	418.8	387.3	367.8	367.3
70°	293.5	301.5	306.0	311.4	319.9	318.4	320.9	325.4	322.9	313.4	312.9
72.5°	250.1	262.5	263.5	264.5	267.5	260.5	256.0	248.6	249.1	250.6	251.1
75°	190.2	202.1	205.1	203.6	206.6	197.6	191.7	184.2	175.2	173.7	174.7
77.5°	123.8	133.3	137.8	136.8	138.3	131.3	128.3	120.3	109.8	105.8	105.8
80°	74.9	80.4	83.9	84.8	86.3	81.4	76.4	69.4	64.9	60.4	60.4
82.5°	45.4	48.9	51.4	51.4	52.9	47.4	43.4	38.4	36.4	32.4	32.4
85°	23.0	25.5	26.5	26.0	25.0	20.5	19.0	16.5	15.5	13.5	13.5
87.5°	5.5	7.0	7.0	5.0	5.0	2.5	1.5	0.5	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)