

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: P635207

Luminaire Tested: GWS-SA3D-730-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635207
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-730-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15887.9 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

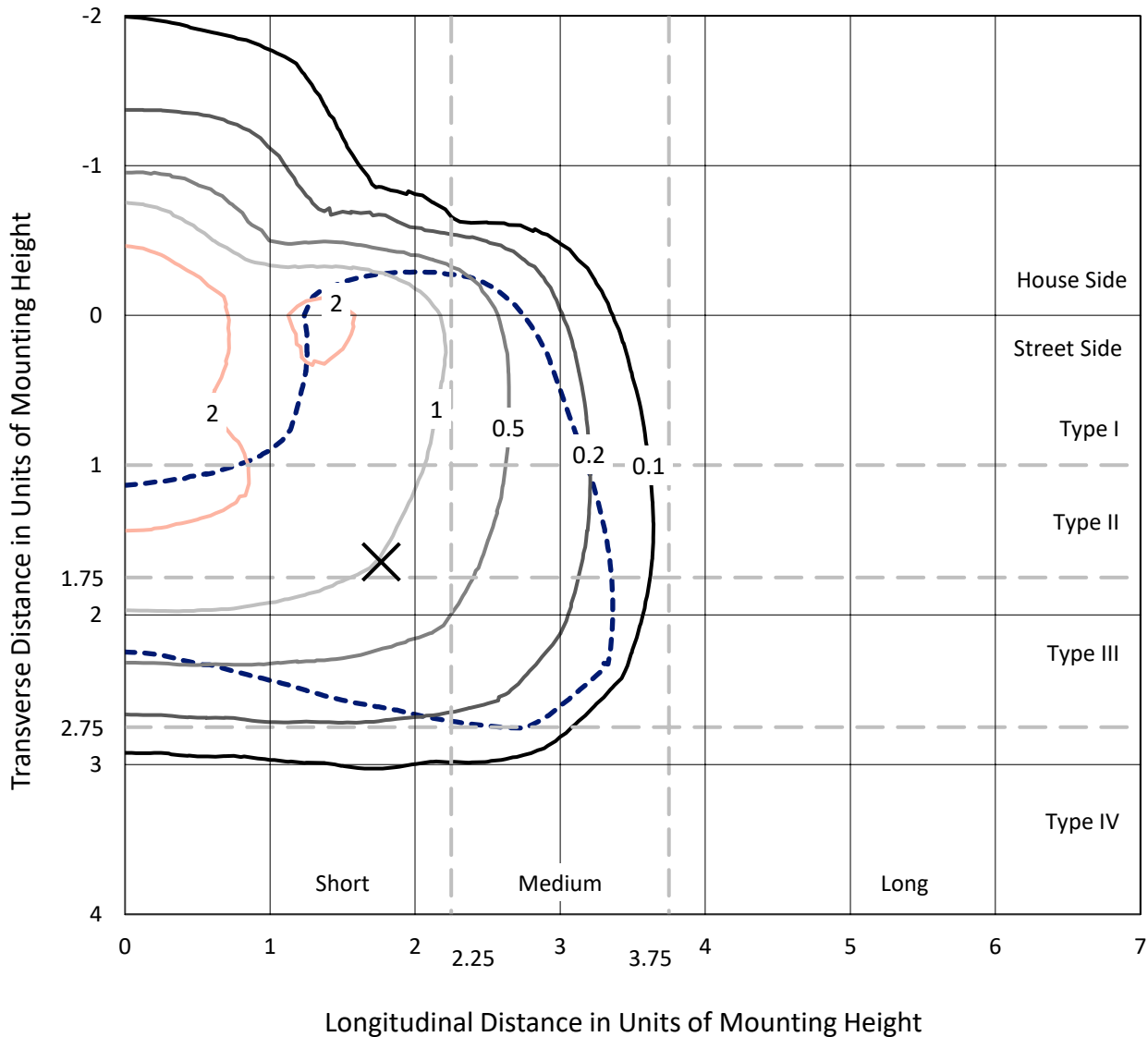
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

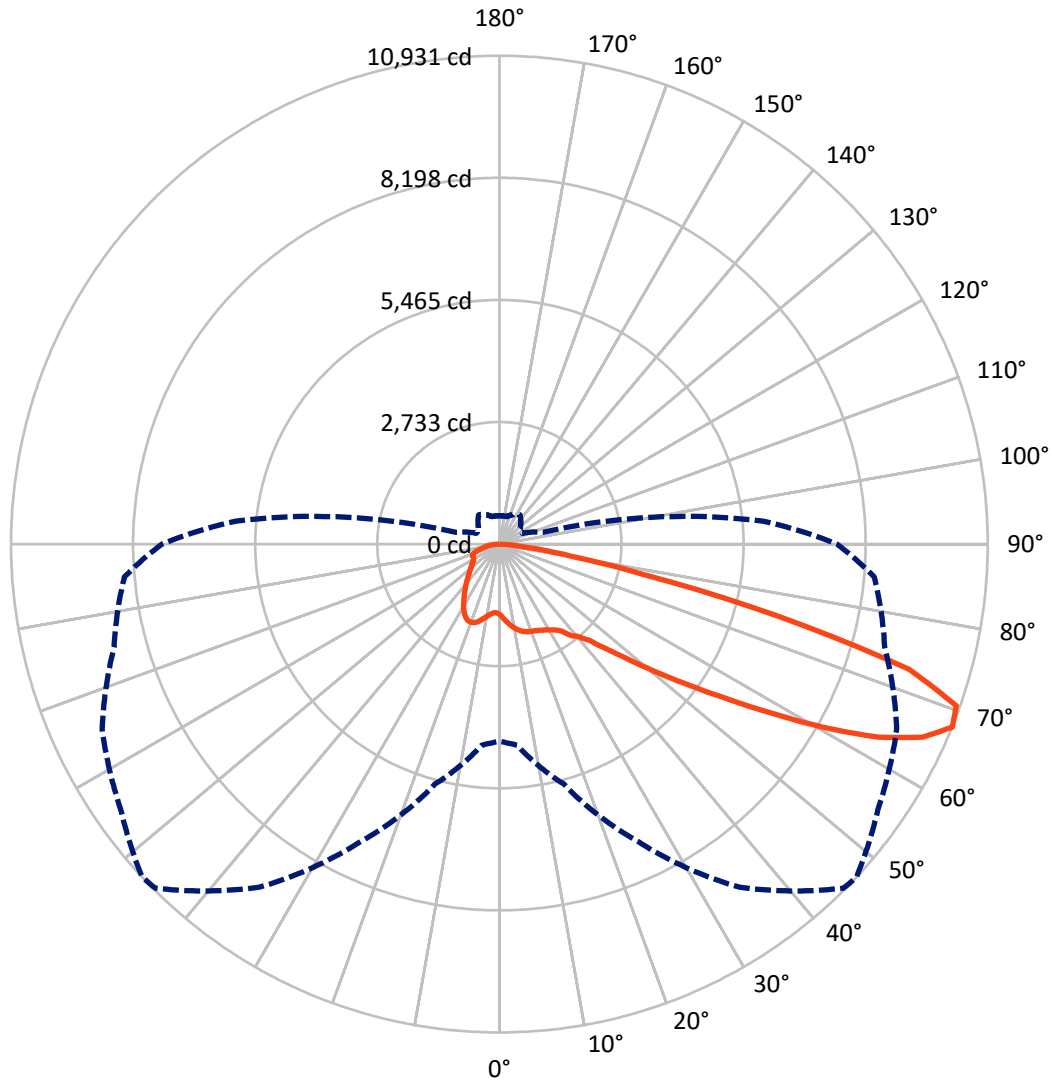
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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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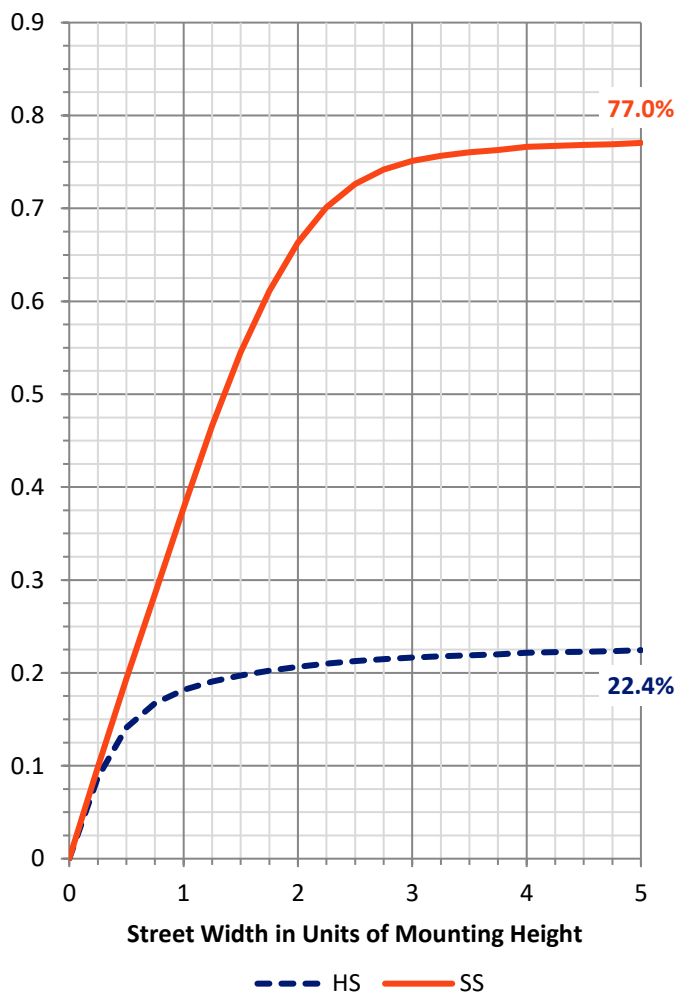
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3621.0	0.0	3621.0
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	12266.9	0.0	12266.9
	% Fixture	77.2	0.0	77.2
Total	Lumens	15887.9	0.0	15887.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	1.0
10°-20°	536.3	3.4
20°-30°	911.5	5.7
30°-40°	1335.3	8.4
40°-50°	2034.5	12.8
50°-60°	3640.1	22.9
60°-70°	4857.4	30.6
70°-80°	2196.6	13.8
80°-90°	215.2	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°	15887.9	100.0
0°-180°	15887.9	100.0

Coefficient of Utilization



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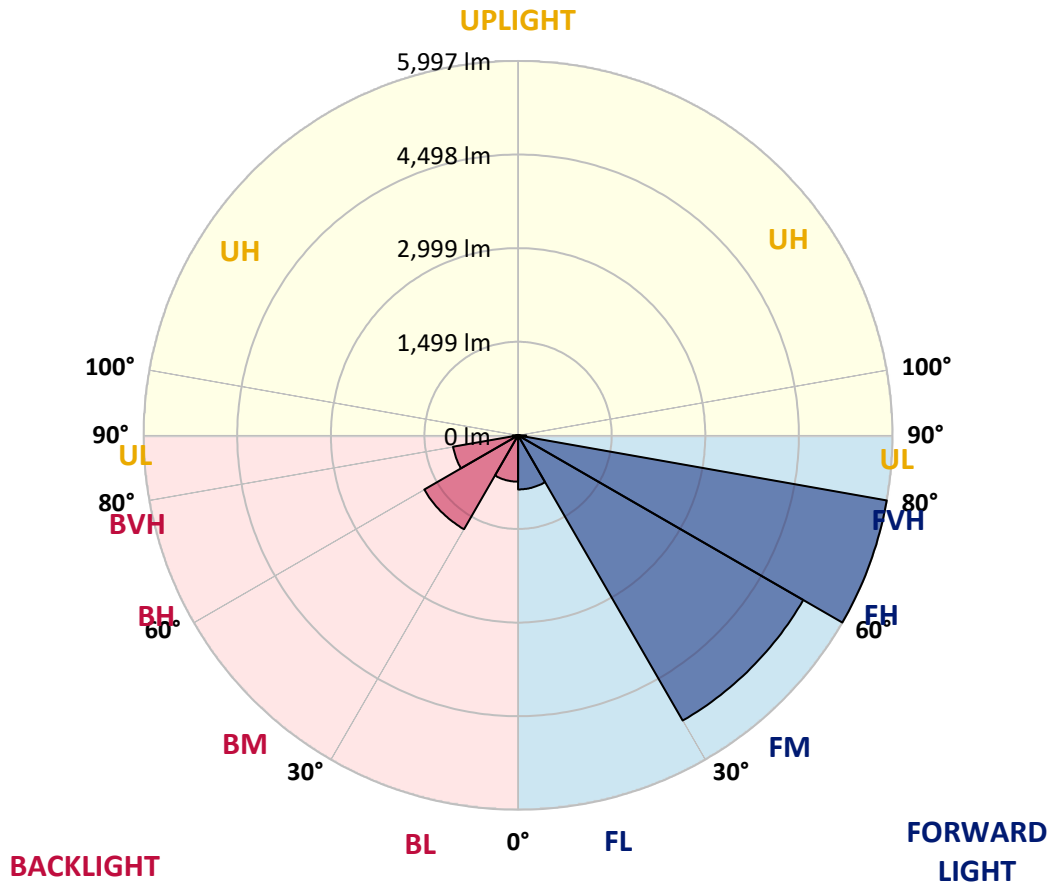
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	866.5	5.5			
FM (30°-60°)	5274.9	33.2			
FH (60°-80°)	5997.5	37.7			G3/7500
FVH (80°-90°)	128.0	0.8			G2/225
BL (0°-30°)	742.3	4.7	B2/1000		
BM (30°-60°)	1735.0	10.9	B2/2500		
BH (60°-80°)	1056.5	6.6	B3/2500		G3/2500
BVH (80°-90°)	87.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0
2.5°	1679.5	1685.3	1684.1	1674.9	1669.2	1658.9	1660.0	1643.9	1619.8	1603.7	1585.3
5°	1827.7	1836.9	1825.4	1810.5	1787.5	1754.2	1750.8	1714.0	1668.0	1635.9	1602.6
7.5°	1956.4	1962.1	1948.4	1923.1	1889.8	1845.0	1836.9	1793.3	1735.8	1685.3	1637.0
10°	2056.3	2063.2	2044.8	2011.5	1967.9	1923.1	1917.3	1872.5	1811.6	1751.9	1691.0
12.5°	2141.3	2143.6	2124.1	2079.3	2032.2	1986.3	1980.5	1939.2	1882.9	1822.0	1755.4
15°	2190.7	2191.9	2167.8	2118.4	2073.6	2033.4	2029.9	1994.3	1942.6	1885.2	1813.9
17.5°	2187.3	2189.6	2172.4	2128.7	2089.7	2065.5	2062.1	2039.1	1998.9	1947.2	1876.0
20°	2144.8	2147.1	2135.6	2106.9	2086.2	2079.3	2080.5	2073.6	2049.4	2006.9	1934.6
22.5°	2111.5	2114.9	2104.6	2083.9	2081.6	2097.7	2101.1	2104.6	2093.1	2055.2	1985.1
25°	2127.6	2133.3	2117.2	2088.5	2093.1	2128.7	2135.6	2147.1	2137.9	2105.7	2044.8
27.5°	2239.0	2242.4	2201.1	2142.5	2128.7	2166.6	2177.0	2195.3	2188.4	2158.6	2111.5
30°	2497.5	2495.2	2406.7	2263.1	2205.7	2220.6	2228.7	2255.1	2257.4	2237.8	2193.0
32.5°	2861.6	2850.2	2713.4	2484.8	2318.3	2281.5	2290.7	2326.3	2352.7	2332.0	2271.2
35°	3246.5	3236.1	3085.7	2818.0	2526.2	2398.7	2388.3	2415.9	2456.1	2398.7	2311.4
37.5°	3613.0	3596.9	3442.9	3112.1	2782.4	2604.3	2589.4	2561.8	2537.7	2427.4	2360.8
40°	4019.6	4001.2	3866.8	3492.3	3065.0	2761.7	2723.8	2614.7	2592.8	2522.7	2489.4
42.5°	4453.9	4453.9	4342.4	3973.7	3406.2	2986.9	2937.5	2773.2	2796.2	2750.2	2711.1
45°	4888.1	4900.7	4812.3	4458.5	3862.2	3411.9	3332.6	3099.4	3154.6	3133.9	3114.4
47.5°	5258.0	5282.1	5264.9	4953.6	4420.6	3928.9	3808.2	3565.9	3684.2	3733.6	3788.7
50°	5656.7	5683.1	5665.8	5542.9	5074.2	4555.0	4447.0	4196.5	4399.9	4548.1	4728.4
52.5°	6248.3	6286.2	6142.6	6095.5	5868.0	5266.1	5169.6	4884.7	5253.4	5499.3	5901.3
55°	6748.0	6746.9	6696.3	6804.3	6720.4	6135.7	6028.9	5770.4	6241.4	6502.2	7090.3
57.5°	6980.1	7007.6	7181.1	7486.7	7654.4	7198.3	7096.1	6831.9	7301.7	7437.3	8072.6
60°	7099.5	7134.0	7469.4	8073.7	8525.2	8358.6	8318.4	7981.8	8246.0	8229.9	8900.8
62.5°	6931.8	7000.7	7539.5	8342.5	9146.7	9524.6	9512.0	9003.1	9049.0	8891.6	9414.3
65°	6162.1	6236.8	7082.3	8208.1	9501.7	10411.5	10414.9	9927.9	9665.9	9213.3	9328.2
67.5°	4406.8	4513.6	5559.0	7344.2	9376.4	10890.5	10930.8	10347.2	9810.7	8928.4	8422.9
70°	2402.1	2480.2	3299.3	5338.4	8248.3	10775.7	10850.3	10145.0	9172.0	7723.3	6483.8
72.5°	1091.4	1116.6	1534.8	2929.4	5634.8	9275.3	9587.8	9053.6	7532.6	5704.9	4123.0
75°	499.7	511.2	668.6	1401.5	2944.4	6206.9	6426.3	6743.4	5241.9	3602.6	2149.4
77.5°	313.6	317.1	380.3	641.0	1468.2	3098.3	3329.2	4015.0	3069.6	1782.9	898.4
80°	185.0	188.4	236.7	346.9	689.3	1417.6	1637.0	1587.6	1442.9	769.7	409.0
82.5°	93.1	96.5	136.7	197.6	375.7	564.1	664.0	667.4	537.6	417.0	230.9
85°	33.3	34.5	44.8	78.1	159.7	186.1	207.9	253.9	263.1	242.4	111.4
87.5°	0.0	0.0	1.1	2.3	4.6	18.4	19.5	36.8	77.0	86.2	44.8
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°	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0
2.5°	1579.6	1562.4	1556.6	1550.9	1541.7	1538.2	1531.3	1524.4	1524.4	1517.6	1514.1
5°	1587.6	1564.7	1549.7	1542.8	1537.1	1540.5	1540.5	1542.8	1550.9	1546.3	1548.6
7.5°	1616.4	1589.9	1569.2	1563.5	1563.5	1577.3	1586.5	1598.0	1612.9	1615.2	1615.2
10°	1666.9	1635.9	1614.1	1610.6	1616.4	1635.9	1649.7	1663.5	1681.8	1683.0	1685.3
12.5°	1722.0	1691.0	1669.2	1673.8	1679.5	1704.8	1719.7	1731.2	1749.6	1749.6	1748.5
15°	1779.5	1745.0	1726.6	1735.8	1753.1	1781.8	1784.1	1785.2	1794.4	1792.1	1791.0
17.5°	1839.2	1802.5	1788.7	1802.5	1820.8	1834.6	1823.1	1807.0	1803.6	1799.0	1796.7
20°	1897.8	1859.9	1854.2	1864.5	1870.2	1858.7	1823.1	1793.3	1779.5	1772.6	1770.3
22.5°	1948.4	1916.2	1912.7	1912.7	1884.0	1843.8	1791.0	1750.8	1732.4	1723.2	1720.9
25°	2008.1	1978.2	1972.5	1941.5	1867.9	1794.4	1723.2	1686.4	1671.5	1666.9	1668.0
27.5°	2078.2	2057.5	2039.1	1950.6	1822.0	1707.1	1626.7	1610.6	1604.9	1610.6	1614.1
30°	2164.3	2143.6	2102.3	1939.2	1748.5	1593.4	1516.4	1515.3	1532.5	1547.4	1549.7
32.5°	2234.4	2225.2	2157.4	1902.4	1645.1	1468.2	1402.7	1407.3	1438.3	1459.0	1462.4
35°	2289.5	2304.5	2203.4	1841.5	1522.1	1349.8	1298.1	1300.4	1317.7	1346.4	1347.5
37.5°	2367.7	2418.2	2244.7	1748.5	1380.8	1247.6	1200.5	1183.3	1181.0	1189.0	1191.3
40°	2525.0	2600.9	2274.6	1612.9	1244.1	1155.7	1102.8	1069.5	1040.8	1019.0	1012.1
42.5°	2762.8	2850.2	2291.8	1448.6	1122.4	1064.9	1005.2	962.7	912.1	866.2	850.1
45°	3199.4	3228.1	2291.8	1274.0	1014.4	979.9	920.2	869.6	805.3	751.3	739.8
47.5°	3897.9	3805.9	2294.1	1105.1	919.0	905.2	853.6	796.1	724.9	680.1	673.2
50°	4950.1	4627.3	2341.2	965.0	839.8	842.1	804.2	741.0	676.6	643.3	637.6
52.5°	6142.6	5639.4	2467.6	861.6	773.1	790.4	769.7	708.8	651.4	622.6	616.9
55°	7263.8	6569.9	2575.6	788.1	716.8	746.7	745.6	689.3	637.6	608.9	605.4
57.5°	8217.3	7207.5	2559.5	728.3	668.6	706.5	723.7	676.6	628.4	604.3	600.8
60°	8810.1	7545.3	2330.9	673.2	631.8	677.8	711.1	673.2	633.0	627.2	628.4
62.5°	9067.4	7483.2	1892.1	631.8	607.7	664.0	724.9	697.3	675.5	689.3	697.3
65°	8667.6	6950.2	1392.3	600.8	584.7	667.4	757.1	735.2	675.5	684.7	688.1
67.5°	7557.9	5916.3	1006.3	569.8	556.0	677.8	803.0	729.5	636.4	636.4	629.5
70°	5446.4	4255.1	730.6	538.8	527.3	662.9	805.3	690.4	591.6	588.2	570.9
72.5°	3277.5	2510.1	569.8	504.3	483.6	588.2	754.8	644.5	548.0	519.3	498.6
75°	1702.5	1257.9	477.9	466.4	414.7	498.6	690.4	573.2	468.7	443.4	431.9
77.5°	729.5	588.2	410.1	415.9	344.6	419.3	557.2	496.3	415.9	383.7	373.4
80°	359.6	334.3	324.0	333.1	275.7	324.0	480.2	434.2	352.7	315.9	301.0
82.5°	205.6	195.3	233.2	236.7	196.4	271.1	405.5	367.6	291.8	251.6	227.5
85°	95.3	102.2	141.3	142.5	121.8	186.1	265.4	206.8	155.1	128.7	122.9
87.5°	37.9	44.8	62.0	60.9	35.6	34.5	23.0	12.6	10.3	9.2	8.0
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)