

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: P632692

Luminaire Tested: GWS-SA2D-730-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9372.9 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

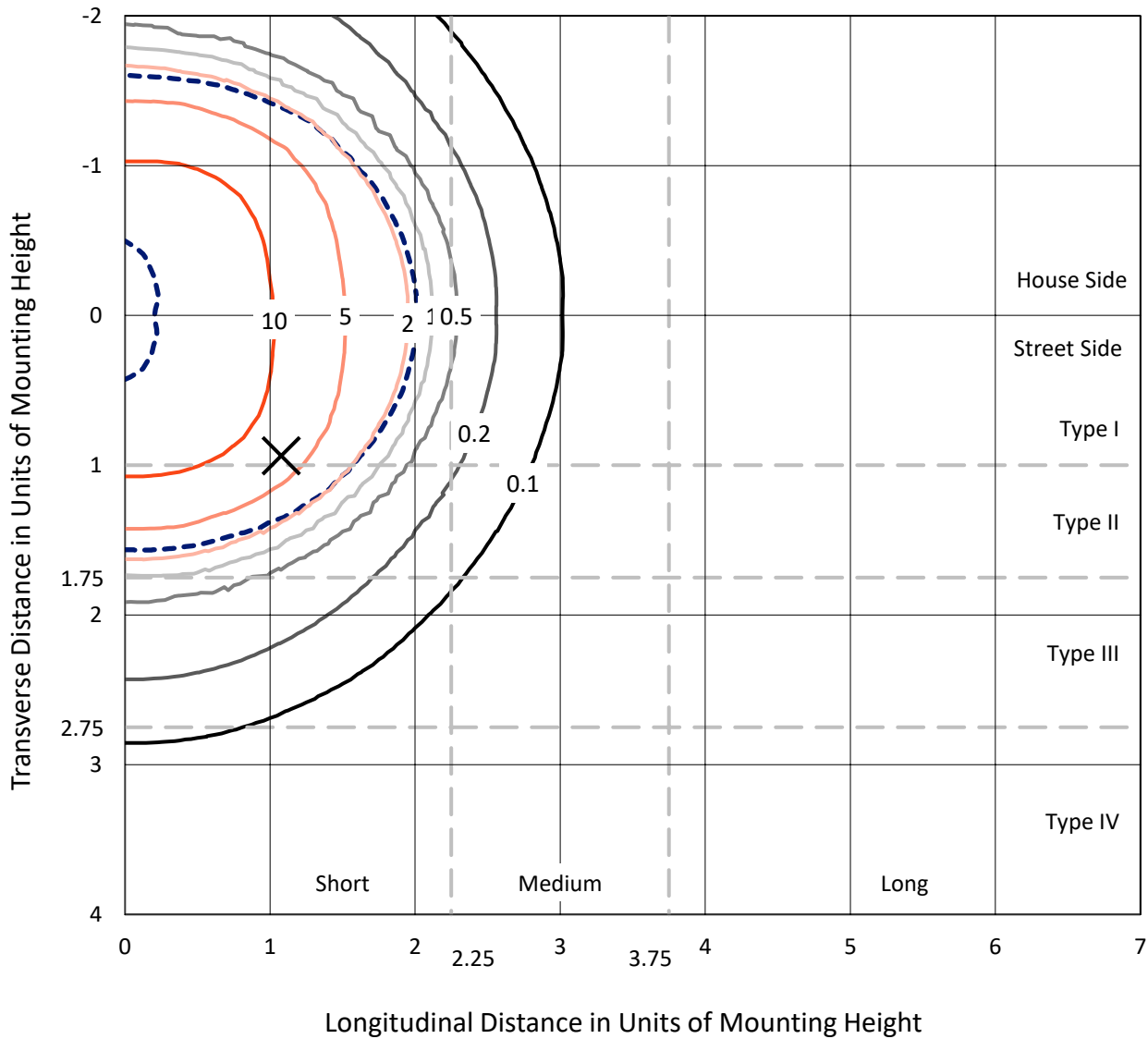


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Iso-Footcandle Lines of Horizontal Illumination

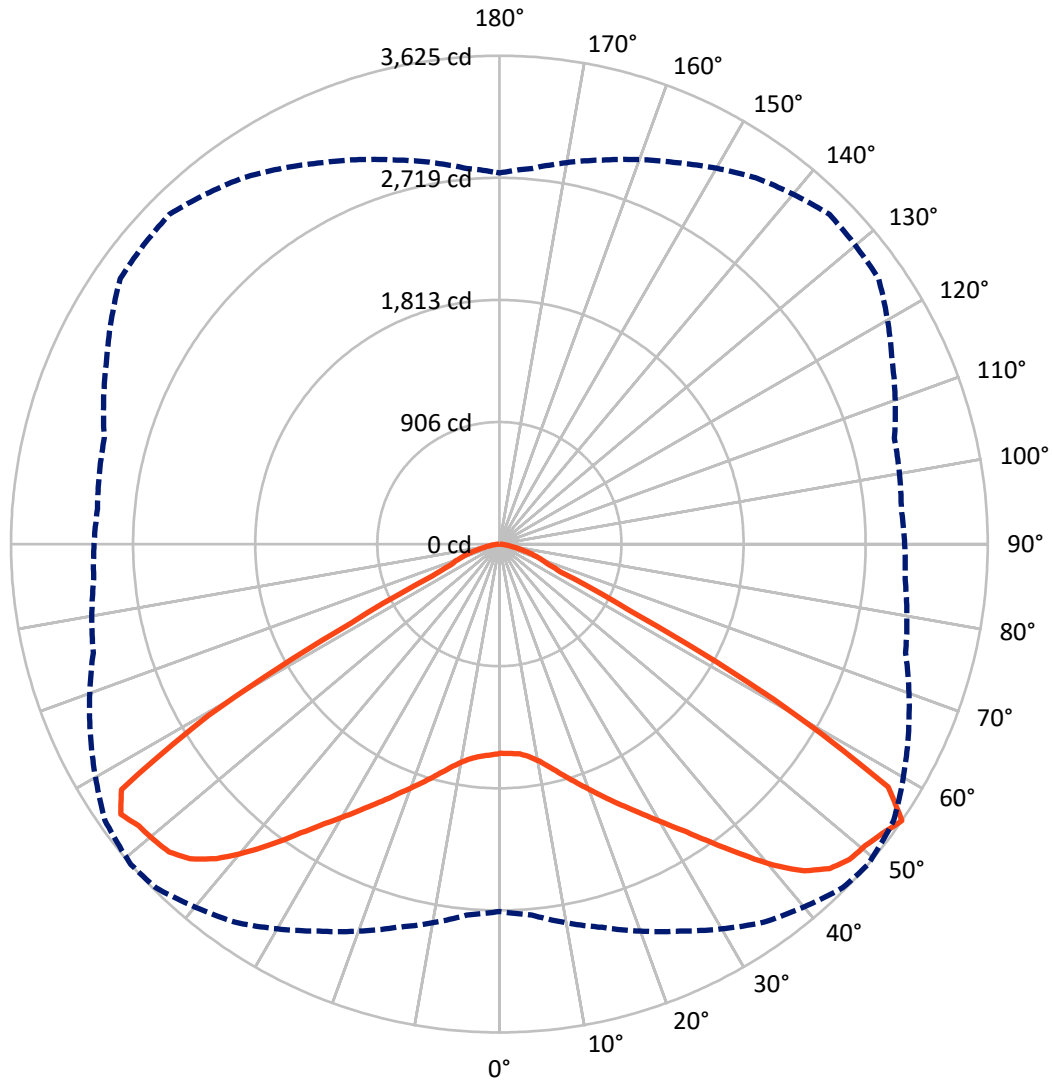
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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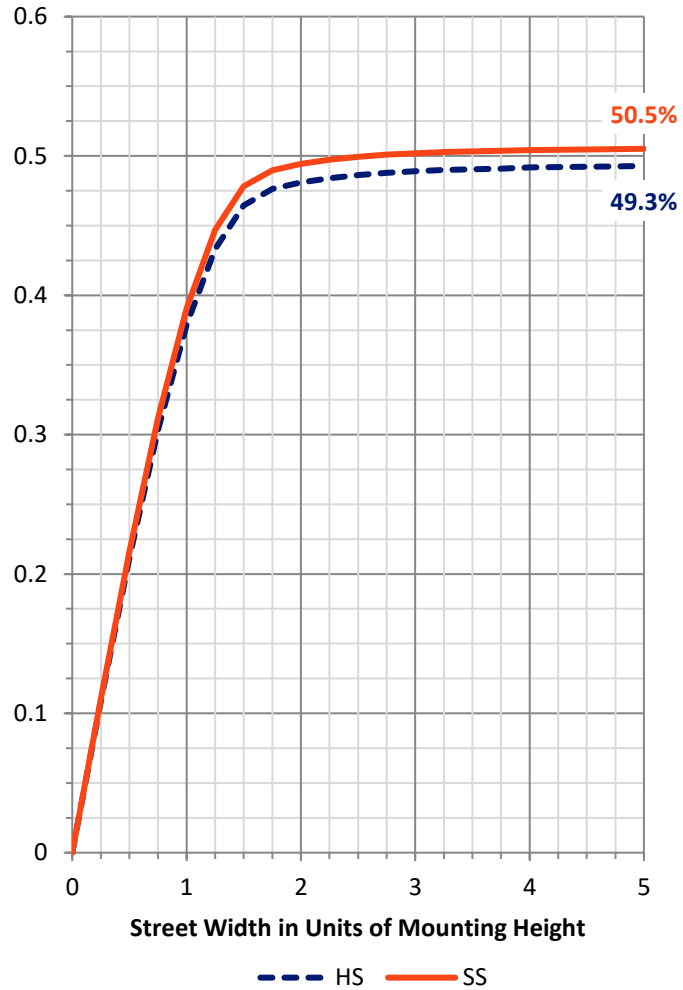
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4640.5	0.0	4640.5
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	4732.4	0.0	4732.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	9372.9	0.0	9372.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	1.6
10°-20°	499.6	5.3
20°-30°	951.6	10.2
30°-40°	1613.1	17.2
40°-50°	2427.7	25.9
50°-60°	2657.3	28.4
60°-70°	840.3	9.0
70°-80°	201.7	2.2
80°-90°	30.3	0.3
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°	9372.9	100.0
0°-180°	9372.9	100.0

Coefficient of Utilization



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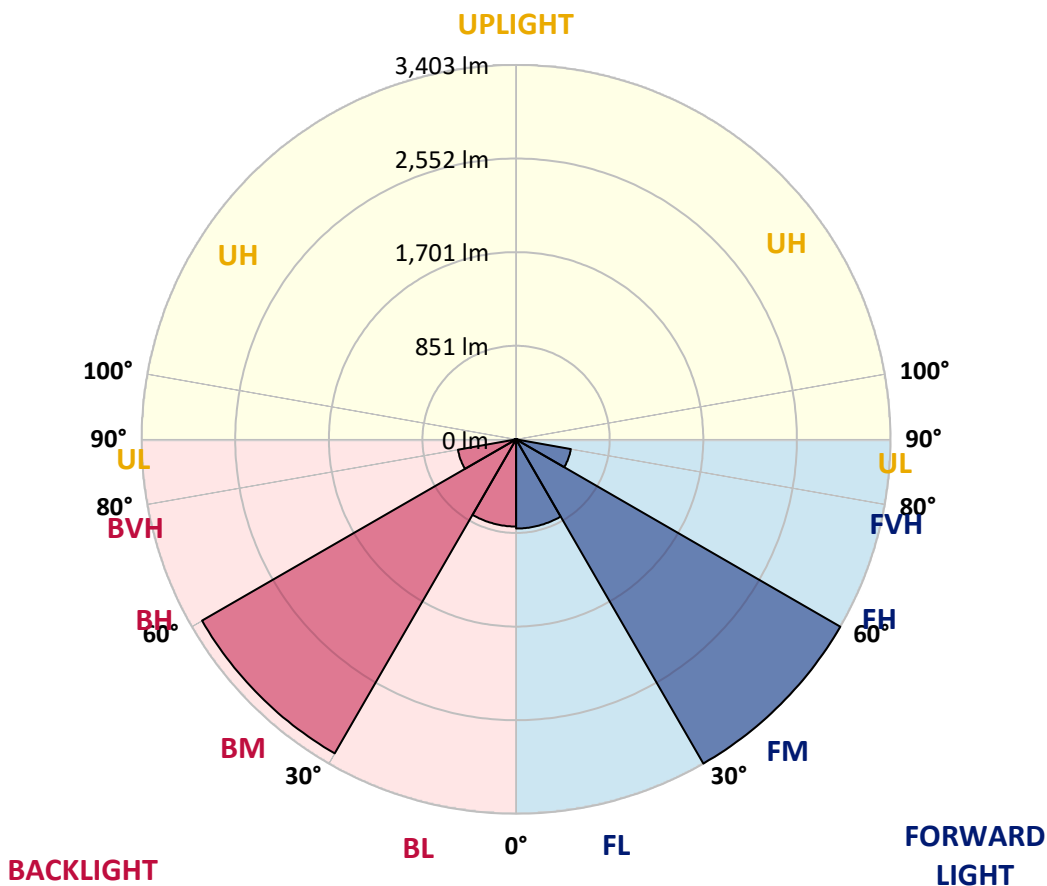
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	810.4	8.6			
FM (30°-60°)	3402.6	36.3			
FH (60°-80°)	505.4	5.4			G0/660
FVH (80°-90°)	14.0	0.1			G1/100
BL (0°-30°)	792.3	8.5	B2/1000		
BM (30°-60°)	3295.5	35.2	B3/5000		
BH (60°-80°)	536.5	5.7	B2/1000		G0/660
BVH (80°-90°)	16.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7
2.5°	1529.8	1531.3	1534.4	1539.7	1545.1	1552.7	1555.7	1559.5	1558.8	1563.3	1563.3
5°	1522.2	1524.5	1529.0	1536.7	1545.8	1560.3	1564.1	1573.3	1582.4	1593.8	1597.6
7.5°	1531.3	1534.4	1539.7	1551.9	1565.6	1584.7	1592.3	1607.6	1625.1	1645.7	1654.1
10°	1548.9	1552.7	1561.8	1581.6	1603.7	1632.7	1639.6	1658.6	1686.8	1715.0	1731.8
12.5°	1568.7	1574.8	1591.6	1622.8	1655.6	1693.7	1704.4	1728.0	1758.5	1795.1	1817.9
15°	1591.6	1596.9	1622.8	1667.0	1718.1	1768.4	1780.6	1803.5	1837.8	1873.6	1905.6
17.5°	1639.6	1648.7	1679.2	1730.3	1789.7	1849.2	1862.9	1888.8	1916.3	1944.5	1975.0
20°	1705.1	1712.7	1751.6	1814.9	1885.0	1939.1	1952.9	1975.7	1988.7	2003.2	2029.1
22.5°	1770.7	1781.3	1825.6	1900.3	1982.6	2041.3	2051.9	2073.3	2064.1	2059.6	2076.3
25°	1852.2	1866.7	1910.2	1991.7	2075.6	2148.0	2156.4	2174.7	2159.4	2135.8	2135.0
27.5°	1953.6	1966.6	2011.5	2095.4	2178.5	2253.9	2269.9	2294.3	2260.8	2231.8	2211.3
30°	2074.0	2082.4	2132.0	2221.2	2306.5	2378.2	2398.8	2423.2	2398.0	2350.0	2329.4
32.5°	2214.3	2225.7	2282.9	2376.7	2452.9	2524.5	2545.1	2575.6	2548.2	2494.0	2468.1
35°	2382.8	2394.2	2454.4	2556.5	2634.3	2708.2	2722.7	2747.9	2713.6	2651.1	2630.5
37.5°	2565.7	2580.2	2656.4	2753.2	2834.8	2920.9	2921.7	2929.3	2880.5	2802.7	2779.9
40°	2771.5	2790.6	2866.8	2967.4	3065.7	3135.8	3135.1	3113.7	3031.4	2911.0	2875.9
42.5°	2975.0	2990.3	3067.2	3170.9	3269.2	3335.6	3315.7	3263.9	3145.0	2981.1	2934.6
45°	3122.1	3133.6	3214.4	3331.0	3430.8	3472.0	3436.2	3373.7	3212.8	3025.3	2956.7
47.5°	3191.5	3206.7	3288.3	3404.2	3517.0	3540.6	3497.9	3439.2	3252.5	3066.5	2974.3
50°	3154.1	3174.0	3266.2	3373.7	3501.0	3549.7	3519.3	3460.6	3294.4	3106.9	3005.5
52.5°	3057.3	3076.4	3193.0	3323.4	3467.4	3564.2	3563.5	3515.4	3342.4	3118.3	3007.0
55°	2726.5	2763.9	2945.3	3170.1	3426.3	3606.9	3625.2	3574.1	3350.0	3121.4	3023.0
57.5°	1774.5	1840.0	2012.3	2305.0	2818.8	3280.7	3404.2	3416.3	3295.2	3108.4	3026.1
60°	740.9	793.5	929.9	1124.3	1548.9	2098.4	2337.8	2577.9	2867.5	2972.7	2997.9
62.5°	460.4	465.0	478.7	522.9	664.7	933.0	1087.0	1311.8	1742.5	2109.1	2278.3
65°	415.4	417.7	420.8	417.7	424.6	457.3	498.5	577.0	752.3	934.5	1151.0
67.5°	365.9	368.9	371.2	368.9	371.2	372.7	377.3	384.2	416.2	442.1	461.9
70°	295.7	300.3	304.1	302.6	311.8	311.8	316.3	321.7	337.7	356.7	370.4
72.5°	225.6	221.8	226.4	227.9	236.3	240.9	247.7	253.8	272.1	283.6	301.1
75°	146.3	142.5	149.4	153.2	164.6	170.7	176.8	182.9	195.9	203.5	220.3
77.5°	79.3	78.5	85.4	90.7	102.9	110.5	115.1	119.7	130.3	132.6	143.3
80°	45.7	45.7	50.3	54.1	61.7	70.1	74.7	78.5	86.1	88.4	93.0
82.5°	25.2	25.2	27.4	29.7	35.8	40.4	44.2	47.3	54.1	56.4	58.7
85°	12.2	11.4	13.0	14.5	16.8	19.1	21.3	22.9	28.2	29.7	32.8
87.5°	1.5	1.5	1.5	2.3	3.0	4.6	5.3	5.3	8.4	9.9	11.4
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°	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7	1552.7
2.5°	1567.9	1558.0	1564.1	1566.4	1566.4	1564.1	1554.2	1551.2	1546.6	1539.7	1539.7
5°	1603.0	1595.4	1596.9	1593.1	1583.9	1572.5	1554.2	1545.1	1537.4	1529.0	1528.3
7.5°	1663.2	1653.3	1651.8	1637.3	1612.9	1588.5	1561.1	1544.3	1532.9	1522.2	1521.4
10°	1741.7	1732.6	1721.1	1692.2	1656.3	1620.5	1583.2	1560.3	1543.5	1528.3	1527.5
12.5°	1829.4	1818.7	1797.4	1754.7	1709.7	1674.6	1632.0	1596.9	1571.7	1551.2	1547.3
15°	1924.6	1909.4	1872.8	1822.5	1778.3	1741.0	1695.2	1644.9	1606.8	1574.0	1570.2
17.5°	1997.8	1978.0	1938.4	1891.1	1854.5	1817.2	1757.7	1694.5	1639.6	1598.4	1592.3
20°	2048.1	2032.1	1987.2	1952.1	1930.7	1898.0	1828.6	1757.0	1695.2	1643.4	1640.3
22.5°	2094.6	2075.6	2031.4	2010.8	2010.8	1988.7	1922.4	1837.8	1765.3	1705.1	1697.5
25°	2147.2	2126.6	2093.1	2090.8	2101.5	2091.6	2011.5	1920.8	1836.2	1768.4	1756.2
27.5°	2220.4	2197.5	2177.7	2191.4	2206.7	2196.0	2106.8	2001.6	1912.5	1843.9	1833.2
30°	2337.0	2308.8	2290.5	2307.3	2337.0	2305.8	2209.0	2097.7	2007.7	1932.3	1926.9
32.5°	2472.7	2440.7	2421.6	2448.3	2475.0	2426.2	2330.2	2223.4	2128.9	2049.7	2040.5
35°	2635.8	2595.4	2567.2	2603.0	2630.5	2582.5	2487.2	2385.8	2280.6	2198.3	2186.1
37.5°	2780.6	2731.9	2712.8	2763.1	2799.7	2768.4	2664.8	2569.5	2454.4	2364.5	2359.1
40°	2885.8	2837.8	2824.1	2907.2	2971.2	2963.6	2870.6	2761.6	2653.3	2549.7	2539.8
42.5°	2931.6	2898.0	2901.1	3013.1	3112.2	3161.0	3077.9	2961.3	2856.9	2749.4	2742.5
45°	2941.5	2920.9	2945.3	3085.5	3215.9	3315.7	3244.8	3147.3	3029.1	2925.5	2922.4
47.5°	2952.1	2940.7	2978.1	3126.7	3281.4	3397.3	3357.7	3257.0	3137.4	3036.0	3028.4
50°	2977.3	2972.7	3014.6	3155.7	3312.7	3419.4	3374.4	3274.6	3151.9	3052.0	3033.7
52.5°	2984.9	2977.3	3037.5	3200.6	3364.5	3418.6	3321.8	3191.5	3068.0	2956.7	2937.7
55°	3008.6	2994.8	3036.0	3217.4	3436.2	3462.8	3318.8	3123.6	2951.4	2799.7	2754.7
57.5°	3014.6	2999.4	3026.1	3190.0	3358.4	3334.8	2917.1	2520.7	2196.0	2027.6	2046.6
60°	2981.9	2986.4	2940.7	2922.4	2693.7	2378.2	1785.9	1427.7	1121.3	991.7	1019.9
62.5°	2269.9	2289.0	2132.7	1854.5	1426.1	1130.4	747.8	580.8	491.6	468.8	472.6
65°	1145.6	1171.6	1009.2	834.7	620.5	501.6	433.7	420.0	415.4	410.1	410.1
67.5°	453.5	461.2	455.1	426.1	396.4	385.7	382.6	381.1	375.8	372.7	373.5
70°	364.3	370.4	361.3	343.0	330.8	330.0	328.5	325.5	321.7	321.7	324.0
72.5°	297.3	303.4	290.4	279.0	269.8	263.0	259.2	256.9	251.5	251.5	253.8
75°	218.8	222.6	211.9	210.4	200.5	193.6	187.5	184.5	177.6	174.6	176.8
77.5°	145.6	144.8	139.5	139.5	135.7	127.3	120.4	113.6	104.4	98.3	99.9
80°	94.5	94.5	92.2	92.2	88.4	81.6	73.2	66.3	61.0	56.4	56.4
82.5°	60.2	59.5	58.7	57.9	56.4	49.5	43.4	38.9	35.1	32.0	32.8
85°	33.5	33.5	32.0	32.0	29.0	25.2	22.1	19.1	16.8	16.0	16.0
87.5°	11.4	11.4	10.7	10.7	9.1	6.9	5.3	4.6	3.8	3.0	3.8
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)