

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: P634317

Luminaire Tested: GWS-SA3B-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8877.7 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

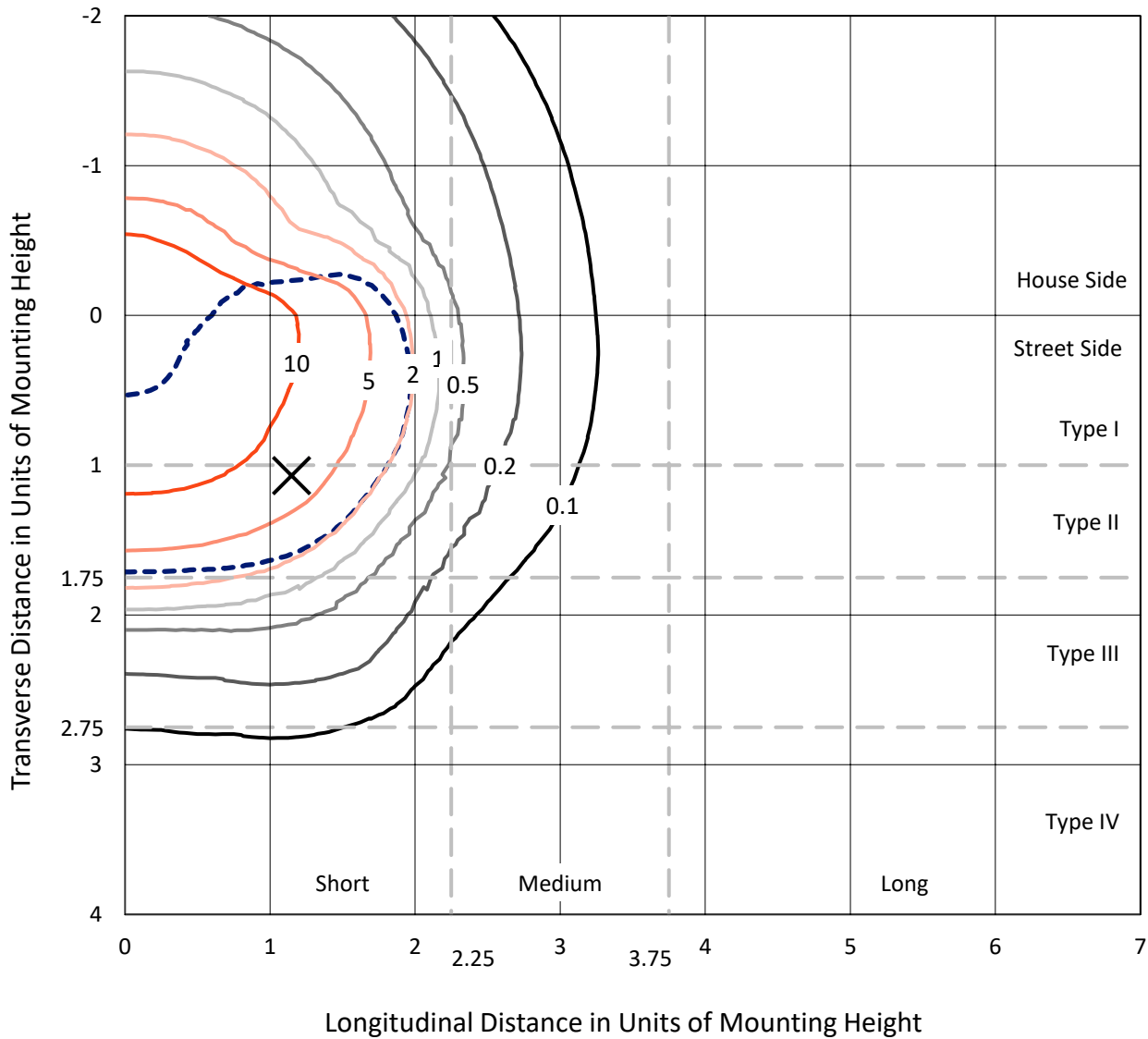
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

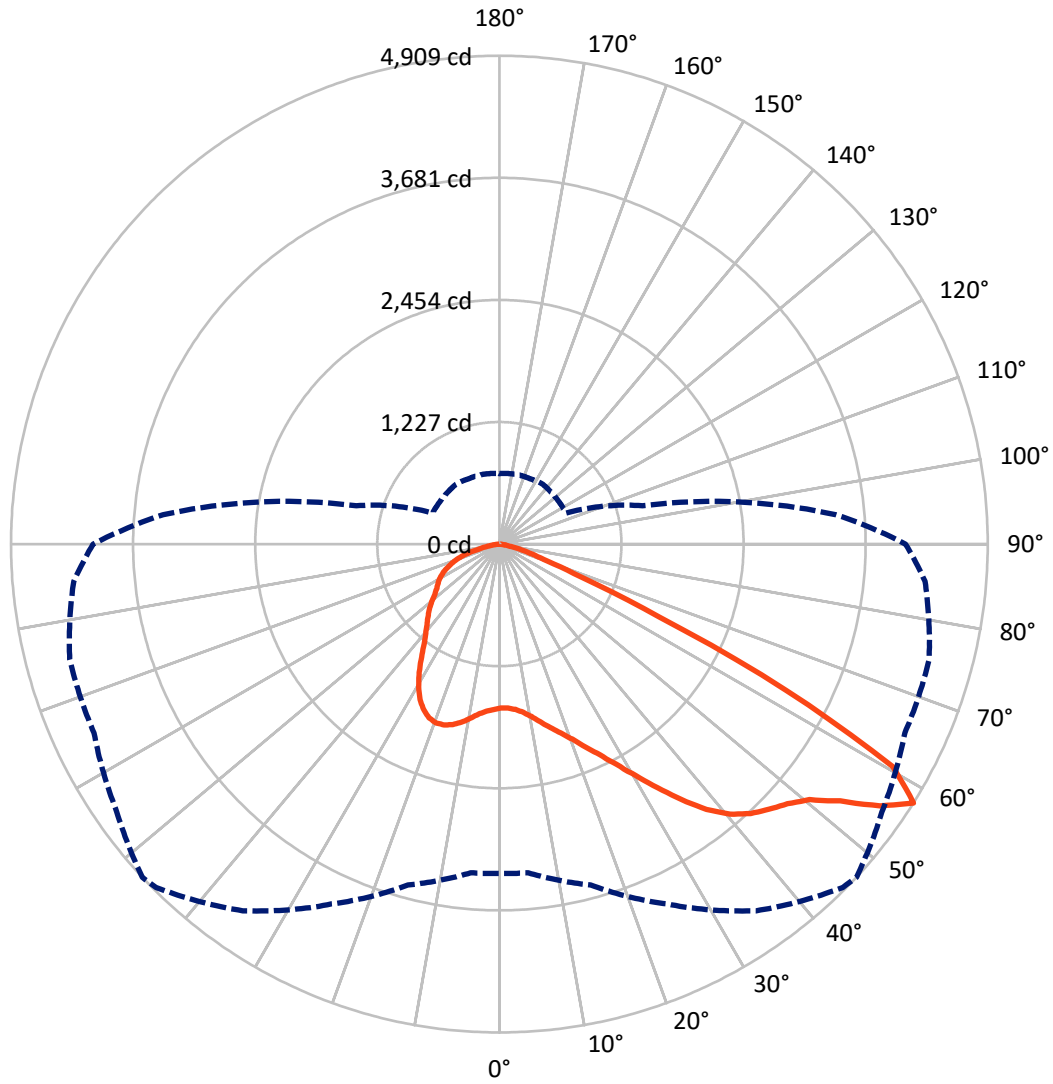
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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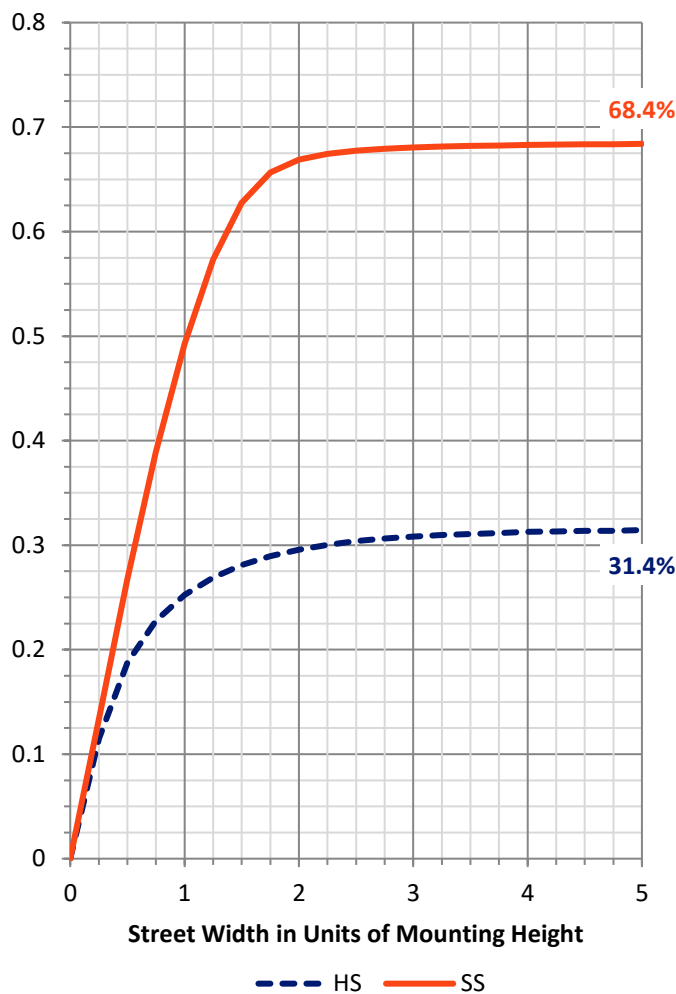
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2809.8	0.0	2809.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	6067.9	0.0	6067.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	8877.7	0.0	8877.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	1.8
10°-20°	534.1	6.0
20°-30°	961.7	10.8
30°-40°	1452.5	16.4
40°-50°	1956.0	22.0
50°-60°	2350.4	26.5
60°-70°	1144.7	12.9
70°-80°	282.0	3.2
80°-90°	33.9	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°	8877.7	100.0
0°-180°	8877.7	100.0

Coefficient of Utilization



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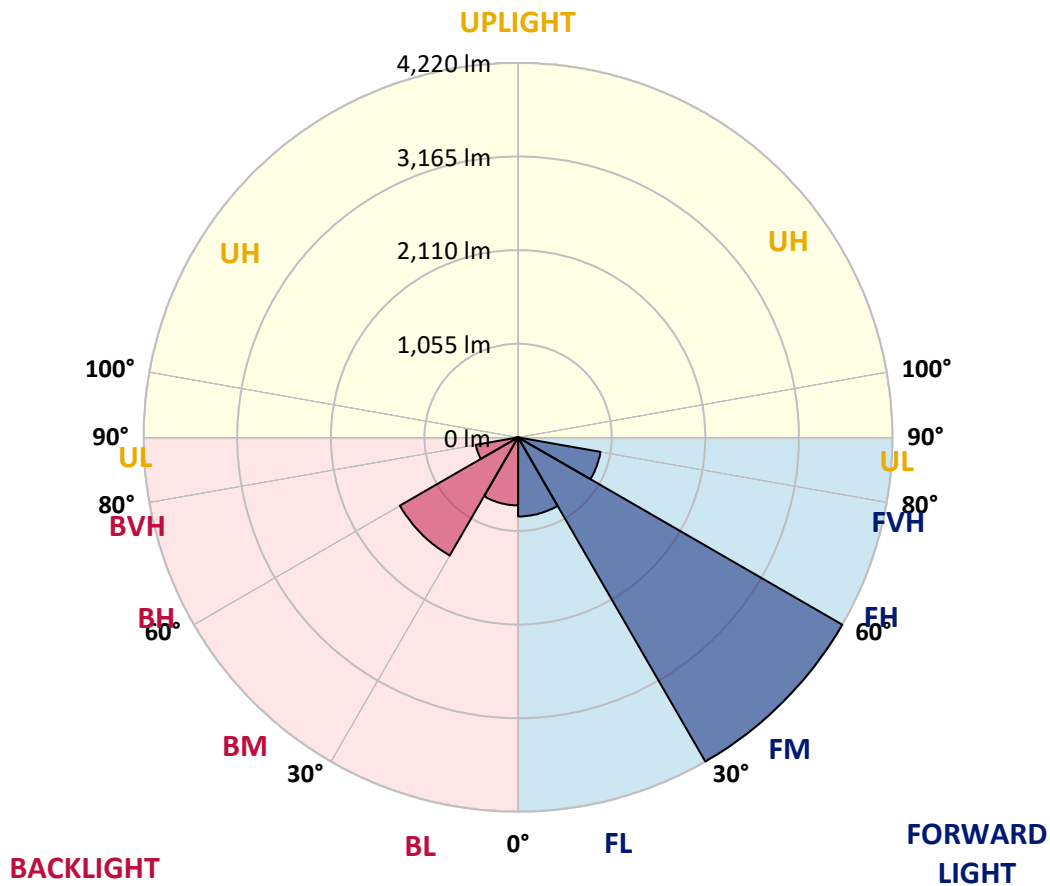
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	891.7	10.0			
FM (30°-60°)	4220.0	47.5			
FH (60°-80°)	943.4	10.6			G1/1800
FVH (80°-90°)	12.7	0.1			G1/100
BL (0°-30°)	766.5	8.6	B2/1000		
BM (30°-60°)	1538.9	17.3	B2/2500		
BH (60°-80°)	483.3	5.4	B1/500		G1/500
BVH (80°-90°)	21.1	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°	47°	55°	65°	75°	85°
0°	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4
2.5°	1643.4	1642.7	1642.7	1647.1	1647.1	1648.6	1650.9	1653.1	1653.8	1650.1	1641.9
5°	1661.3	1661.3	1661.3	1665.0	1665.0	1666.5	1669.5	1670.2	1669.5	1663.5	1655.3
7.5°	1689.6	1689.6	1690.4	1694.8	1698.6	1700.8	1706.0	1705.3	1703.1	1693.4	1682.9
10°	1735.9	1738.1	1740.3	1745.6	1753.0	1758.2	1762.0	1762.0	1759.0	1744.1	1730.6
12.5°	1801.5	1804.5	1806.7	1811.2	1817.1	1826.1	1834.3	1834.3	1830.6	1811.9	1791.8
15°	1878.3	1881.3	1880.5	1882.0	1893.2	1905.9	1912.6	1917.1	1918.5	1892.4	1861.1
17.5°	1966.3	1969.2	1966.3	1961.8	1963.3	1983.4	1995.3	2011.7	2021.4	1986.4	1936.4
20°	2046.0	2043.1	2043.1	2046.0	2050.5	2075.1	2093.0	2119.9	2131.8	2089.3	2011.7
22.5°	2130.3	2137.0	2134.0	2134.0	2151.9	2192.9	2214.6	2249.6	2262.3	2207.1	2102.7
25°	2239.2	2245.1	2243.6	2245.1	2266.0	2324.2	2345.8	2410.7	2423.3	2344.3	2203.4
27.5°	2358.5	2368.2	2372.6	2371.1	2404.7	2480.8	2507.6	2597.8	2620.9	2497.9	2310.8
30°	2513.6	2524.0	2527.7	2526.2	2565.8	2669.4	2700.0	2802.9	2835.7	2679.8	2447.2
32.5°	2693.3	2703.7	2714.9	2719.4	2770.1	2875.9	2919.9	3026.6	3073.5	2890.1	2612.0
35°	2871.5	2880.4	2902.0	2937.1	3006.4	3114.6	3153.3	3258.5	3303.9	3108.6	2811.1
37.5°	3068.3	3074.3	3092.9	3141.4	3241.3	3344.2	3383.0	3483.6	3488.9	3319.6	3036.3
40°	3283.8	3283.8	3280.1	3327.8	3432.2	3535.8	3569.4	3627.6	3597.0	3482.2	3255.5
42.5°	3466.5	3463.5	3466.5	3511.2	3588.8	3673.0	3702.1	3690.9	3652.2	3606.7	3453.8
45°	3631.3	3633.5	3660.4	3694.7	3734.9	3784.9	3802.0	3738.7	3703.6	3706.6	3612.6
47.5°	3743.1	3745.4	3808.0	3865.4	3890.0	3905.7	3898.2	3810.2	3792.3	3825.9	3734.9
50°	3758.0	3770.0	3878.1	3995.9	4057.0	4059.3	4038.4	3931.0	3925.8	3963.8	3800.5
52.5°	3761.0	3773.0	3907.9	4120.4	4279.3	4312.8	4288.9	4177.1	4122.7	4084.6	3881.1
55°	3749.8	3763.3	3912.4	4203.9	4508.2	4642.4	4644.6	4486.5	4312.8	4287.5	4110.7
57.5°	3310.7	3315.9	3547.0	3991.4	4499.2	4879.5	4908.6	4693.8	4495.5	4471.6	4294.9
60°	2306.3	2327.2	2578.4	3165.3	3779.7	4450.0	4544.0	4481.3	4348.6	4174.9	3685.0
62.5°	1155.0	1172.9	1424.9	1979.7	2606.8	3136.2	3236.8	3303.2	3334.5	3148.1	2509.1
65°	497.3	510.8	667.4	1034.2	1475.6	1731.4	1766.4	1846.2	2041.6	1821.6	1351.9
67.5°	332.6	341.5	421.3	630.8	869.4	885.8	880.6	897.8	940.3	776.2	610.7
70°	255.0	262.5	316.2	462.3	624.8	534.6	506.3	459.3	498.8	508.5	495.1
72.5°	184.9	190.9	231.1	315.4	391.5	341.5	337.0	360.9	414.6	429.5	421.3
75°	119.3	122.3	146.9	173.0	202.1	219.2	228.2	271.4	325.8	337.0	327.3
77.5°	79.8	82.0	96.2	111.1	114.8	115.6	118.6	137.9	175.2	196.1	193.9
80°	41.8	41.8	47.0	47.0	53.7	64.1	67.1	79.8	96.9	107.4	108.1
82.5°	16.4	17.1	20.1	22.4	26.8	32.8	35.0	41.8	50.7	58.2	64.9
85°	6.7	7.5	8.2	9.7	11.9	14.9	15.7	17.9	23.9	29.8	33.6
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	2.2	3.0	3.7	6.7	8.9
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°	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4
2.5°	1651.6	1641.9	1651.6	1654.6	1662.8	1665.8	1660.5	1659.8	1659.8	1652.3	1650.1
5°	1662.8	1653.8	1663.5	1668.0	1679.9	1687.4	1688.9	1694.8	1698.6	1695.6	1694.8
7.5°	1690.4	1679.2	1689.6	1696.3	1712.0	1723.9	1729.1	1742.6	1752.3	1750.8	1750.0
10°	1738.8	1723.9	1735.9	1747.0	1764.2	1778.4	1779.1	1786.6	1796.3	1793.3	1791.8
12.5°	1794.8	1780.6	1794.0	1805.2	1825.3	1831.3	1821.6	1818.6	1820.1	1816.4	1813.4
15°	1863.4	1843.2	1855.2	1867.8	1879.0	1872.3	1851.4	1843.2	1842.5	1837.3	1834.3
17.5°	1932.0	1906.6	1915.6	1922.3	1917.1	1896.2	1870.1	1855.9	1849.2	1838.8	1835.8
20°	1999.8	1967.8	1966.3	1961.0	1937.2	1899.2	1864.1	1835.8	1818.6	1804.5	1799.2
22.5°	2077.4	2032.6	2010.3	1986.4	1934.2	1872.3	1819.4	1779.1	1751.5	1733.6	1727.7
25°	2160.9	2097.5	2051.3	2003.5	1904.4	1814.9	1741.1	1685.9	1653.1	1633.7	1627.0
27.5°	2243.6	2156.4	2087.1	2005.8	1844.7	1732.1	1633.0	1558.4	1525.6	1509.9	1504.7
30°	2355.5	2234.7	2129.6	1976.7	1766.4	1617.3	1493.5	1418.2	1396.6	1385.4	1380.9
32.5°	2484.5	2333.9	2186.2	1915.6	1666.5	1483.1	1352.6	1300.4	1285.5	1263.9	1263.1
35°	2654.5	2475.5	2239.9	1825.3	1540.5	1339.2	1244.5	1207.2	1180.4	1146.1	1143.1
37.5°	2852.8	2652.3	2269.0	1710.5	1393.6	1220.6	1164.0	1122.2	1078.9	1033.5	1027.5
40°	3057.9	2858.8	2271.2	1574.8	1249.7	1142.3	1094.6	1040.2	986.5	935.8	929.1
42.5°	3273.4	3051.2	2231.7	1418.2	1131.9	1074.5	1026.0	957.4	897.0	862.7	859.0
45°	3465.8	3206.3	2142.2	1253.4	1044.6	1017.8	955.9	882.1	850.0	825.4	820.2
47.5°	3617.1	3309.2	2021.4	1105.8	973.8	959.6	879.1	841.1	816.5	794.1	788.9
50°	3691.7	3332.3	1864.1	985.7	908.2	891.0	835.9	806.8	790.4	772.5	768.0
52.5°	3784.1	3358.4	1728.4	885.1	844.1	821.0	800.1	777.0	765.0	753.8	750.1
55°	3996.7	3456.8	1656.8	804.6	782.9	772.5	769.5	750.1	746.4	738.9	732.2
57.5°	4083.1	3393.4	1487.6	738.9	734.5	736.0	743.4	725.5	721.8	712.8	708.4
60°	3283.8	2565.0	1007.4	682.3	694.2	703.9	711.3	693.4	688.2	686.7	680.8
62.5°	2104.2	1577.8	703.1	629.3	647.2	659.1	663.6	646.5	642.7	654.7	655.4
65°	1095.4	859.7	570.4	572.7	587.6	605.5	614.4	608.4	607.0	619.6	620.4
67.5°	559.2	525.7	497.3	505.5	517.5	540.6	561.5	587.6	596.5	598.0	598.8
70°	476.5	461.6	447.4	452.6	465.3	478.0	498.1	510.8	495.9	492.1	490.6
72.5°	405.6	394.4	387.7	393.7	400.4	398.2	392.2	398.2	400.4	401.2	401.9
75°	315.4	307.2	302.0	302.7	302.7	294.5	283.3	276.6	269.2	263.2	263.2
77.5°	193.1	194.6	199.8	199.1	198.3	195.4	184.2	178.2	160.3	155.1	155.1
80°	110.4	112.6	117.8	119.3	119.3	115.6	104.4	97.7	89.5	85.7	85.0
82.5°	67.1	70.1	73.1	74.6	75.3	70.8	61.1	55.9	51.4	47.7	47.7
85°	35.0	36.5	39.5	40.3	38.0	33.6	28.3	26.1	21.6	20.9	20.9
87.5°	9.7	10.4	11.9	9.7	8.9	6.7	3.7	3.0	1.5	0.7	0.7
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)