

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: P634262

Luminaire Tested: GWS-SA3B-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634262
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8756.1 lumens
Efficiency: N/A
Efficacy: 128.2 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

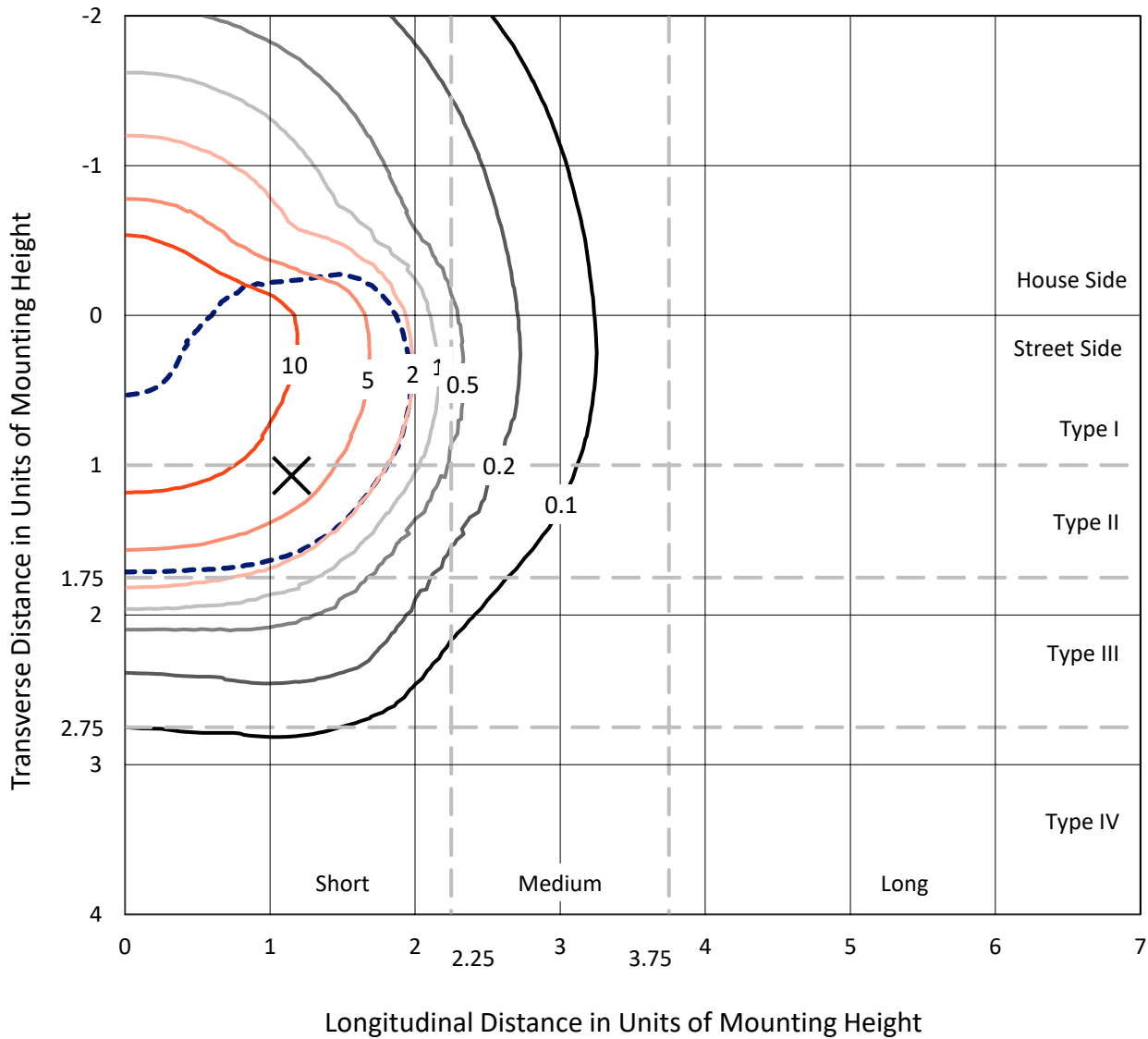
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

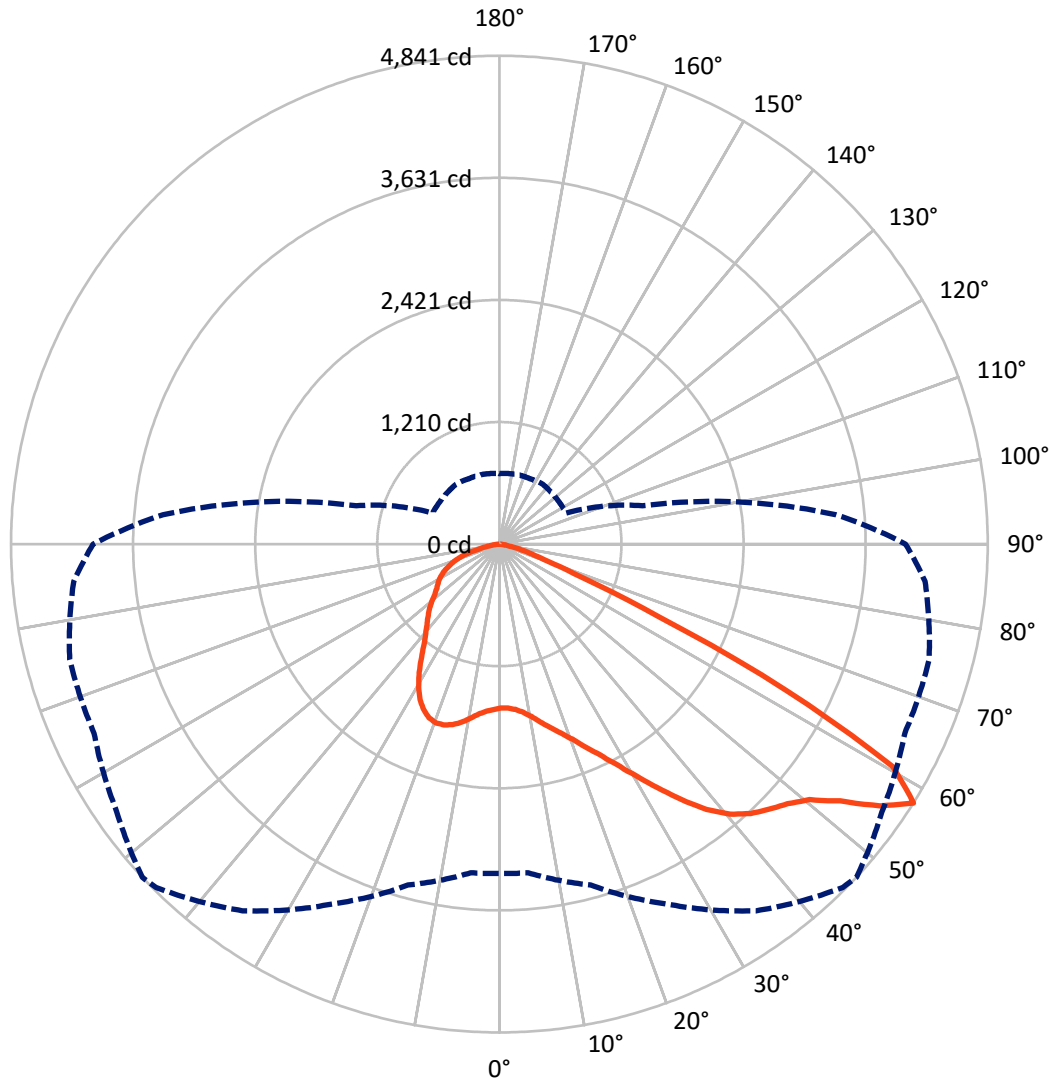
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.1 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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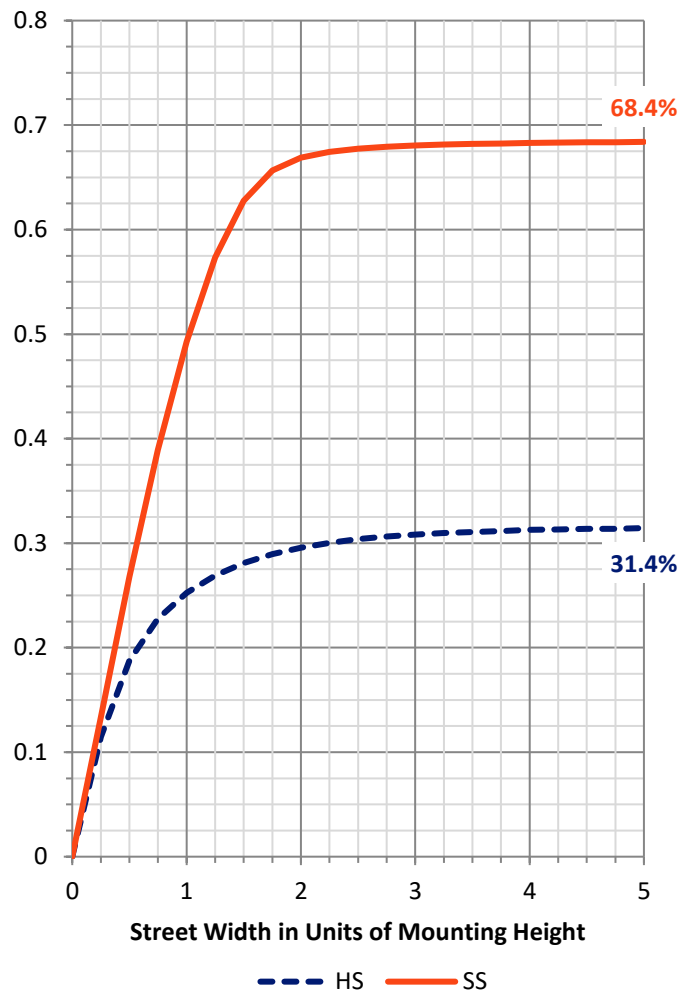
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2771.3	0.0	2771.3
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	5984.8	0.0	5984.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	8756.1	0.0	8756.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.2	1.8
10°-20°	526.8	6.0
20°-30°	948.5	10.8
30°-40°	1432.6	16.4
40°-50°	1929.2	22.0
50°-60°	2318.2	26.5
60°-70°	1129.0	12.9
70°-80°	278.1	3.2
80°-90°	33.4	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°	8756.1	100.0
0°-180°	8756.1	100.0

Coefficient of Utilization



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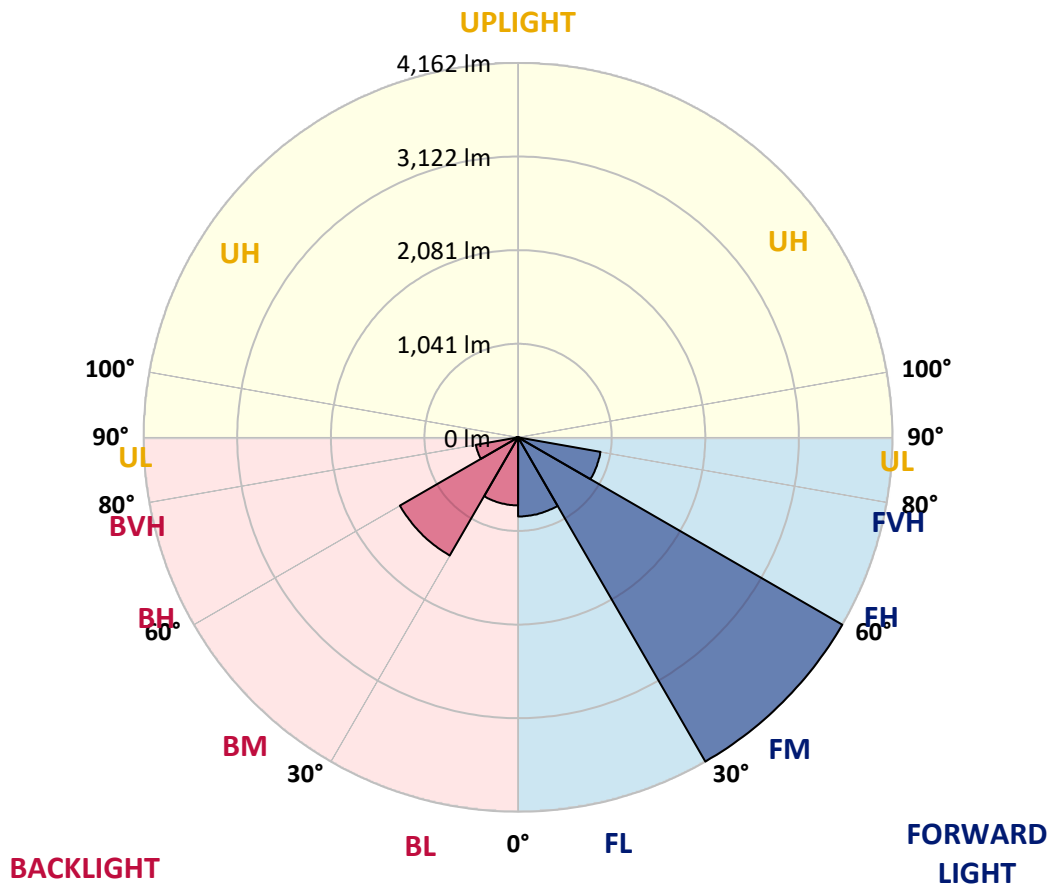
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	879.5	10.0			
FM (30°-60°)	4162.2	47.5			
FH (60°-80°)	930.5	10.6			G1/1800
FVH (80°-90°)	12.6	0.1			G1/100
BL (0°-30°)	756.0	8.6	B2/1000		
BM (30°-60°)	1517.8	17.3	B2/2500		
BH (60°-80°)	476.6	5.4	B1/500		G1/500
BVH (80°-90°)	20.9	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°	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8
2.5°	1620.9	1620.2	1620.2	1624.6	1624.6	1626.0	1628.2	1630.5	1631.2	1627.5	1619.4
5°	1638.5	1638.5	1638.5	1642.2	1642.2	1643.7	1646.6	1647.4	1646.6	1640.7	1632.7
7.5°	1666.5	1666.5	1667.2	1671.6	1675.3	1677.5	1682.7	1681.9	1679.7	1670.2	1659.9
10°	1712.1	1714.3	1716.5	1721.6	1729.0	1734.1	1737.8	1737.8	1734.9	1720.2	1706.9
12.5°	1776.8	1779.7	1781.9	1786.4	1792.2	1801.1	1809.2	1809.2	1805.5	1787.1	1767.2
15°	1852.6	1855.5	1854.8	1856.2	1867.3	1879.8	1886.4	1890.8	1892.3	1866.5	1835.6
17.5°	1939.3	1942.3	1939.3	1934.9	1936.4	1956.2	1968.0	1984.2	1993.8	1959.2	1909.9
20°	2018.0	2015.1	2015.1	2018.0	2022.4	2046.7	2064.4	2090.8	2102.6	2060.7	1984.2
22.5°	2101.1	2107.7	2104.8	2104.8	2122.5	2162.9	2184.2	2218.8	2231.3	2176.9	2073.9
25°	2208.5	2214.4	2212.9	2214.4	2235.0	2292.3	2313.7	2377.6	2390.2	2312.2	2173.2
27.5°	2326.2	2335.7	2340.1	2338.7	2371.8	2446.8	2473.3	2562.2	2585.0	2463.7	2279.1
30°	2479.1	2489.4	2493.1	2491.6	2530.6	2632.8	2663.0	2764.5	2796.8	2643.1	2413.7
32.5°	2656.4	2666.7	2677.7	2682.1	2732.1	2836.6	2879.9	2985.1	3031.4	2850.5	2576.2
35°	2832.1	2841.0	2862.3	2896.9	2965.3	3071.9	3110.1	3213.8	3258.7	3066.0	2772.6
37.5°	3026.3	3032.2	3050.6	3098.4	3196.9	3298.4	3336.6	3435.9	3441.1	3274.1	2994.7
40°	3238.8	3238.8	3235.2	3282.2	3385.2	3487.4	3520.5	3577.9	3547.7	3434.5	3210.9
42.5°	3419.0	3416.1	3419.0	3463.1	3539.6	3622.7	3651.4	3640.4	3602.1	3557.3	3406.5
45°	3581.5	3583.8	3610.2	3644.1	3683.8	3733.0	3750.0	3687.5	3652.9	3655.8	3563.2
47.5°	3691.9	3694.1	3755.8	3812.5	3836.7	3852.2	3844.8	3758.1	3740.4	3773.5	3683.8
50°	3706.6	3718.3	3825.0	3941.2	4001.5	4003.7	3983.1	3877.2	3872.0	3909.6	3748.5
52.5°	3709.5	3721.3	3854.4	4064.0	4220.6	4253.7	4230.2	4119.9	4066.2	4028.7	3827.9
55°	3698.5	3711.7	3858.8	4146.4	4446.4	4578.8	4581.0	4425.1	4253.7	4228.7	4054.4
57.5°	3265.3	3270.5	3498.4	3936.8	4437.6	4812.7	4841.3	4629.5	4433.9	4410.4	4236.1
60°	2274.7	2295.3	2543.1	3121.9	3727.9	4389.1	4481.7	4419.9	4289.0	4117.7	3634.5
62.5°	1139.2	1156.8	1405.4	1952.6	2571.1	3093.2	3192.5	3258.0	3288.8	3105.0	2474.7
65°	490.5	503.8	658.2	1020.0	1455.4	1707.7	1742.2	1820.9	2013.6	1796.7	1333.3
67.5°	328.0	336.8	415.5	622.2	857.5	873.7	868.5	885.5	927.4	765.6	602.3
70°	251.5	258.9	311.8	456.0	616.3	527.3	499.4	453.0	492.0	501.6	488.3
72.5°	182.4	188.3	228.0	311.1	386.1	336.8	332.4	355.9	408.9	423.6	415.5
75°	117.7	120.6	144.9	170.6	199.3	216.2	225.0	267.7	321.4	332.4	322.9
77.5°	78.7	80.9	94.9	109.6	113.3	114.0	116.9	136.1	172.8	193.4	191.2
80°	41.2	41.2	46.3	46.3	53.0	63.2	66.2	78.7	95.6	105.9	106.6
82.5°	16.2	16.9	19.9	22.1	26.5	32.4	34.6	41.2	50.0	57.4	64.0
85°	6.6	7.4	8.1	9.6	11.8	14.7	15.4	17.7	23.5	29.4	33.1
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	2.2	2.9	3.7	6.6	8.8
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°	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8	1623.8
2.5°	1629.0	1619.4	1629.0	1631.9	1640.0	1643.0	1637.8	1637.1	1637.1	1629.7	1627.5
5°	1640.0	1631.2	1640.7	1645.2	1656.9	1664.3	1665.8	1671.6	1675.3	1672.4	1671.6
7.5°	1667.2	1656.2	1666.5	1673.1	1688.5	1700.3	1705.5	1718.7	1728.3	1726.8	1726.1
10°	1715.0	1700.3	1712.1	1723.1	1740.0	1754.0	1754.7	1762.1	1771.7	1768.7	1767.2
12.5°	1770.2	1756.2	1769.4	1780.5	1800.3	1806.2	1796.7	1793.7	1795.2	1791.5	1788.6
15°	1837.8	1818.0	1829.8	1842.3	1853.3	1846.7	1826.1	1818.0	1817.2	1812.1	1809.2
17.5°	1905.5	1880.5	1889.3	1895.9	1890.8	1870.2	1844.5	1830.5	1823.9	1813.6	1810.6
20°	1972.4	1940.8	1939.3	1934.2	1910.6	1873.1	1838.6	1810.6	1793.7	1779.7	1774.6
22.5°	2048.9	2004.8	1982.7	1959.2	1907.7	1846.7	1794.5	1754.7	1727.5	1709.9	1704.0
25°	2131.3	2068.8	2023.2	1976.1	1878.3	1790.0	1717.2	1662.8	1630.5	1611.3	1604.7
27.5°	2212.9	2126.9	2058.5	1978.3	1819.5	1708.4	1610.6	1537.1	1504.7	1489.2	1484.1
30°	2323.2	2204.1	2100.4	1949.6	1742.2	1595.1	1473.1	1398.8	1377.5	1366.4	1362.0
32.5°	2450.5	2301.9	2156.3	1889.3	1643.7	1462.8	1334.1	1282.6	1267.9	1246.6	1245.8
35°	2618.1	2441.6	2209.2	1800.3	1519.4	1320.8	1227.4	1190.7	1164.2	1130.4	1127.4
37.5°	2813.8	2615.9	2237.9	1687.1	1374.5	1203.9	1148.0	1106.8	1064.2	1019.3	1013.4
40°	3016.0	2819.6	2240.1	1553.2	1232.6	1126.7	1079.6	1025.9	973.0	923.0	916.3
42.5°	3228.5	3009.4	2201.1	1398.8	1116.4	1059.8	1012.0	944.3	884.7	850.9	847.2
45°	3418.3	3162.4	2112.9	1236.3	1030.3	1003.9	942.8	870.0	838.4	814.1	809.0
47.5°	3567.6	3263.8	1993.8	1090.6	960.5	946.5	867.1	829.6	805.3	783.2	778.1
50°	3641.1	3286.6	1838.6	972.2	895.8	878.8	824.4	795.7	779.6	761.9	757.5
52.5°	3732.3	3312.4	1704.7	873.0	832.5	809.7	789.1	766.3	754.6	743.5	739.8
55°	3941.9	3409.5	1634.1	793.5	772.2	761.9	759.0	739.8	736.2	728.8	722.2
57.5°	4027.2	3346.9	1467.2	728.8	724.4	725.9	733.2	715.6	711.9	703.1	698.7
60°	3238.8	2529.9	993.6	672.9	684.7	694.2	701.6	684.0	678.8	677.3	671.4
62.5°	2075.4	1556.2	693.5	620.7	638.4	650.1	654.5	637.6	633.9	645.7	646.4
65°	1080.3	848.0	562.6	564.8	579.5	597.2	606.0	600.1	598.6	611.1	611.9
67.5°	551.6	518.5	490.5	498.6	510.4	533.2	553.8	579.5	588.3	589.8	590.6
70°	469.9	455.2	441.3	446.4	458.9	471.4	491.3	503.8	489.1	485.4	483.9
72.5°	400.1	389.0	382.4	388.3	394.9	392.7	386.8	392.7	394.9	395.7	396.4
75°	311.1	303.0	297.8	298.6	298.6	290.5	279.5	272.8	265.5	259.6	259.6
77.5°	190.5	191.9	197.1	196.4	195.6	192.7	181.7	175.8	158.1	153.0	153.0
80°	108.8	111.1	116.2	117.7	117.7	114.0	103.0	96.3	88.3	84.6	83.8
82.5°	66.2	69.1	72.1	73.5	74.3	69.9	60.3	55.2	50.7	47.1	47.1
85°	34.6	36.0	39.0	39.7	37.5	33.1	27.9	25.7	21.3	20.6	20.6
87.5°	9.6	10.3	11.8	9.6	8.8	6.6	3.7	2.9	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)