

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: P635032

Luminaire Tested: GWS-SA3C-830-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635032
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-SA3C-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9458 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

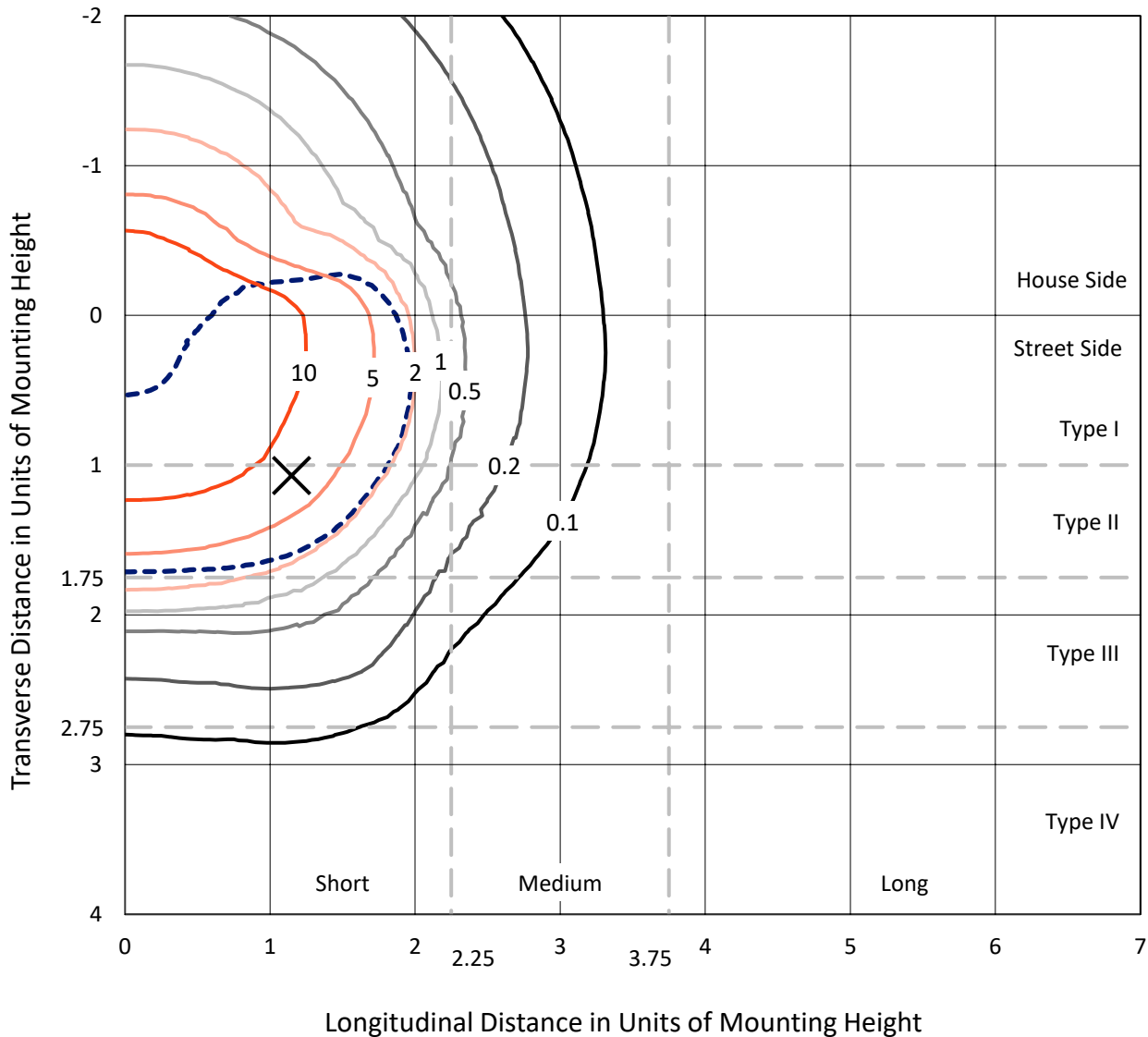
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

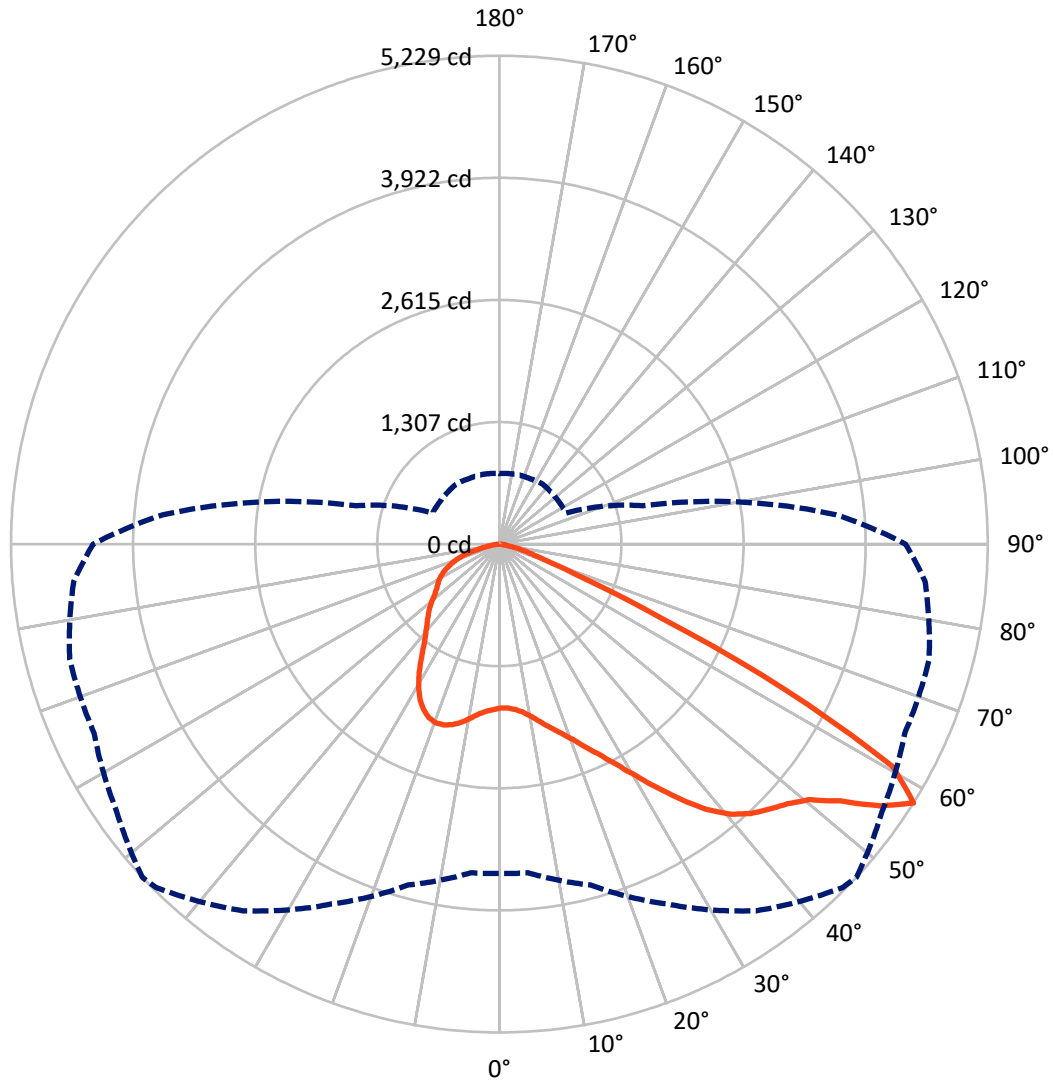
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.6 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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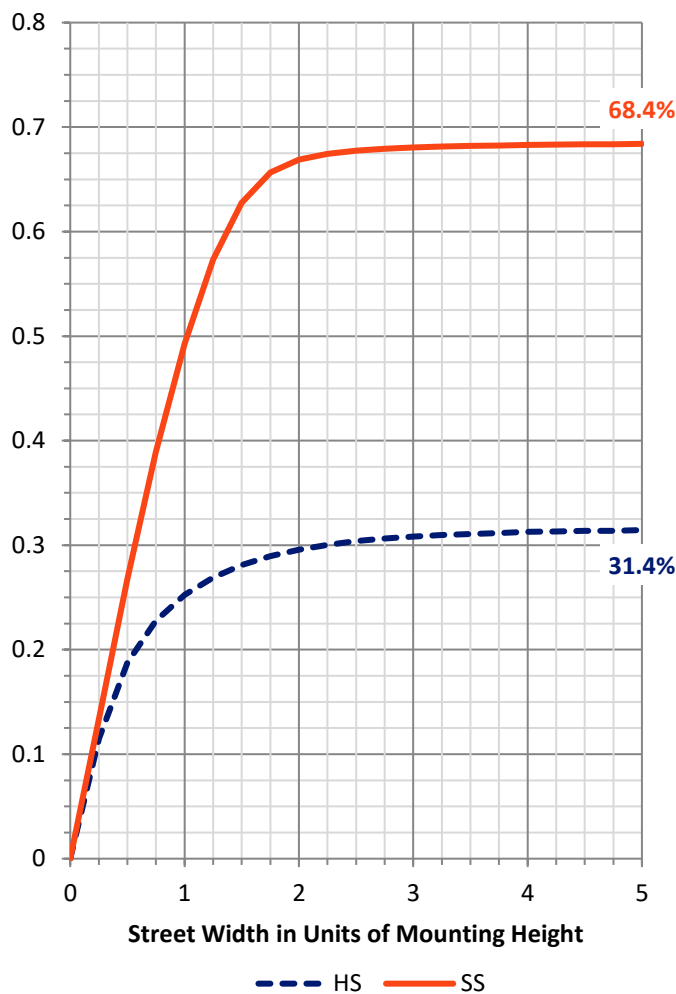
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2993.4	0.0	2993.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	6464.6	0.0	6464.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	9458.0	0.0	9458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	1.8
10°-20°	569.0	6.0
20°-30°	1024.6	10.8
30°-40°	1547.5	16.4
40°-50°	2083.9	22.0
50°-60°	2504.0	26.5
60°-70°	1219.5	12.9
70°-80°	300.4	3.2
80°-90°	36.1	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°	9458.0	100.0
0°-180°	9458.0	100.0

Coefficient of Utilization



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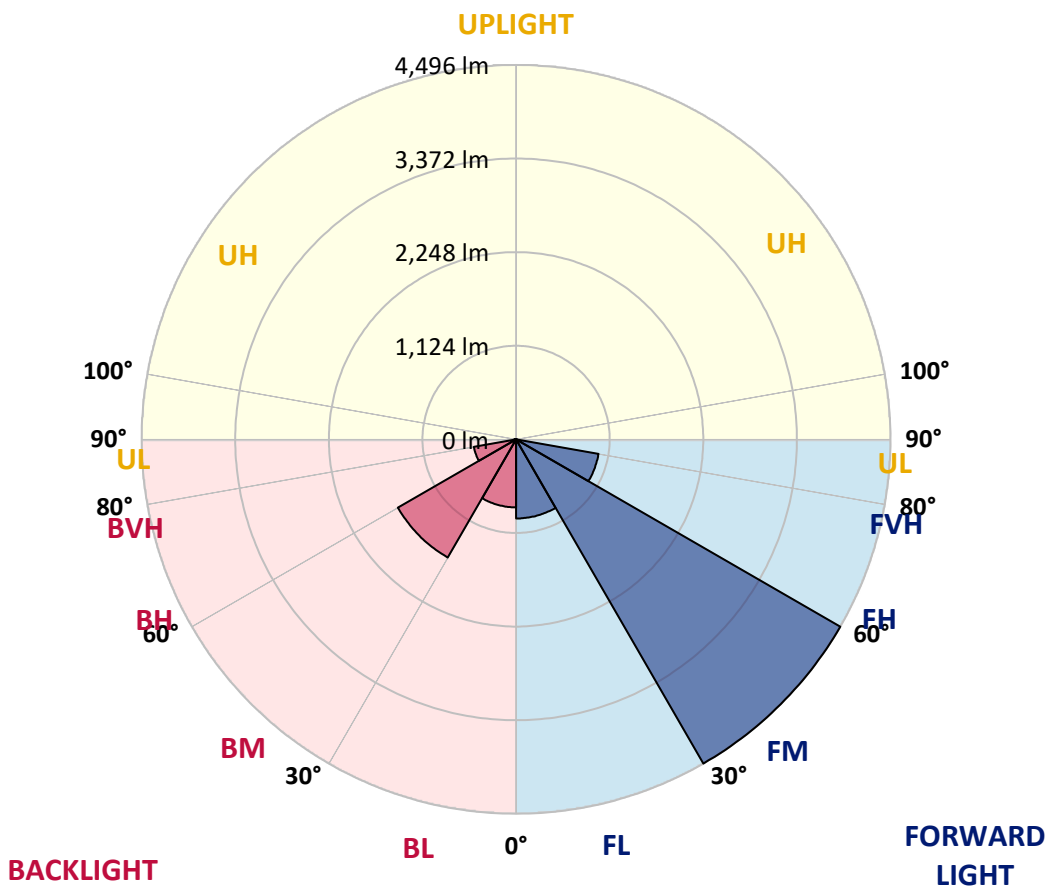
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	950.0	10.0			
FM (30°-60°)	4495.9	47.5			
FH (60°-80°)	1005.1	10.6			G1/1800
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	816.6	8.6	B2/1000		
BM (30°-60°)	1639.5	17.3	B2/2500		
BH (60°-80°)	514.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	22.5	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0
2.5°	1750.8	1750.0	1750.0	1754.8	1754.8	1756.4	1758.8	1761.1	1761.9	1758.0	1749.2
5°	1769.9	1769.9	1769.9	1773.9	1773.9	1775.4	1778.6	1779.4	1778.6	1772.3	1763.5
7.5°	1800.1	1800.1	1800.9	1805.6	1809.6	1812.0	1817.6	1816.8	1814.4	1804.0	1792.9
10°	1849.3	1851.7	1854.1	1859.7	1867.6	1873.2	1877.1	1877.1	1874.0	1858.1	1843.8
12.5°	1919.2	1922.4	1924.8	1929.6	1935.9	1945.4	1954.2	1954.2	1950.2	1930.4	1908.9
15°	2001.1	2004.2	2003.4	2005.0	2016.9	2030.4	2037.6	2042.4	2043.9	2016.1	1982.8
17.5°	2094.8	2098.0	2094.8	2090.0	2091.6	2113.1	2125.8	2143.2	2153.6	2116.2	2063.0
20°	2179.8	2176.6	2176.6	2179.8	2184.6	2210.8	2229.8	2258.4	2271.1	2225.9	2143.2
22.5°	2269.6	2276.7	2273.5	2273.5	2292.6	2336.3	2359.3	2396.7	2410.2	2351.4	2240.2
25°	2385.5	2391.9	2390.3	2391.9	2414.1	2476.1	2499.1	2568.2	2581.7	2497.5	2347.4
27.5°	2512.6	2523.0	2527.7	2526.1	2561.9	2642.9	2671.5	2767.6	2792.3	2661.2	2461.8
30°	2677.9	2689.0	2693.0	2691.4	2733.5	2843.9	2876.5	2986.1	3021.0	2855.0	2607.2
32.5°	2869.3	2880.4	2892.4	2897.1	2951.1	3063.9	3110.8	3224.4	3274.5	3079.0	2782.7
35°	3059.2	3068.7	3091.7	3129.1	3203.0	3318.1	3359.4	3471.5	3519.9	3311.8	2994.8
37.5°	3268.9	3275.2	3295.1	3346.7	3453.2	3562.8	3604.1	3711.4	3716.9	3536.6	3234.7
40°	3498.5	3498.5	3494.5	3545.3	3656.5	3767.0	3802.7	3864.7	3832.1	3709.8	3468.3
42.5°	3693.1	3689.9	3693.1	3740.8	3823.4	3913.1	3944.1	3932.2	3890.9	3842.4	3679.6
45°	3868.6	3871.0	3899.6	3936.2	3979.1	4032.3	4050.6	3983.0	3945.7	3948.9	3848.8
47.5°	3987.8	3990.2	4056.9	4118.1	4144.3	4161.0	4153.0	4059.3	4040.2	4076.0	3979.1
50°	4003.7	4016.4	4131.6	4257.1	4322.2	4324.6	4302.4	4188.0	4182.4	4222.9	4049.0
52.5°	4006.9	4019.6	4163.4	4389.8	4559.0	4594.7	4569.3	4450.1	4392.1	4351.6	4134.8
55°	3995.0	4009.3	4168.1	4478.7	4802.8	4945.8	4948.2	4779.8	4594.7	4567.7	4379.4
57.5°	3527.1	3532.6	3778.9	4252.3	4793.3	5198.4	5229.4	5000.6	4789.3	4763.9	4575.7
60°	2457.0	2479.3	2747.0	3372.2	4026.7	4740.9	4841.0	4774.2	4632.8	4447.8	3925.8
62.5°	1230.5	1249.6	1518.1	2109.1	2777.2	3341.2	3448.4	3519.1	3552.5	3353.9	2673.1
65°	529.9	544.2	711.0	1101.8	1572.1	1844.6	1881.9	1966.9	2175.0	1940.7	1440.2
67.5°	354.3	363.8	448.8	672.0	926.3	943.7	938.2	956.4	1001.7	827.0	650.6
70°	271.7	279.6	336.8	492.5	665.7	569.6	539.4	489.3	531.4	541.8	527.5
72.5°	197.0	203.4	246.3	336.0	417.1	363.8	359.1	384.5	441.7	457.6	448.8
75°	127.1	130.3	156.5	184.3	215.3	233.5	243.1	289.2	347.1	359.1	348.7
77.5°	85.0	87.4	102.5	118.4	122.3	123.1	126.3	147.0	186.7	208.9	206.5
80°	44.5	44.5	50.0	50.0	57.2	68.3	71.5	85.0	103.3	114.4	115.2
82.5°	17.5	18.3	21.4	23.8	28.6	35.0	37.3	44.5	54.0	62.0	69.1
85°	7.1	7.9	8.7	10.3	12.7	15.9	16.7	19.1	25.4	31.8	35.7
87.5°	0.0	0.0	0.8	0.8	1.6	2.4	2.4	3.2	4.0	7.1	9.5
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°	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0	1754.0
2.5°	1759.6	1749.2	1759.6	1762.7	1771.5	1774.7	1769.1	1768.3	1768.3	1760.4	1758.0
5°	1771.5	1761.9	1772.3	1777.0	1789.7	1797.7	1799.3	1805.6	1809.6	1806.4	1805.6
7.5°	1800.9	1789.0	1800.1	1807.2	1823.9	1836.6	1842.2	1856.5	1866.8	1865.2	1864.4
10°	1852.5	1836.6	1849.3	1861.2	1879.5	1894.6	1895.4	1903.3	1913.7	1910.5	1908.9
12.5°	1912.1	1897.0	1911.3	1923.2	1944.7	1951.0	1940.7	1937.5	1939.1	1935.1	1931.9
15°	1985.2	1963.7	1976.4	1989.9	2001.8	1994.7	1972.5	1963.7	1962.9	1957.4	1954.2
17.5°	2058.2	2031.2	2040.8	2047.9	2042.4	2020.1	1992.3	1977.2	1970.1	1959.0	1955.8
20°	2130.5	2096.4	2094.8	2089.2	2063.8	2023.3	1986.0	1955.8	1937.5	1922.4	1916.8
22.5°	2213.2	2165.5	2141.7	2116.2	2060.6	1994.7	1938.3	1895.4	1866.0	1846.9	1840.6
25°	2302.1	2234.6	2185.4	2134.5	2028.9	1933.5	1854.9	1796.1	1761.1	1740.5	1733.3
27.5°	2390.3	2297.4	2223.5	2136.9	1965.3	1845.4	1739.7	1660.3	1625.3	1608.6	1603.1
30°	2509.5	2380.8	2268.8	2105.9	1881.9	1723.0	1591.2	1510.9	1487.9	1476.0	1471.2
32.5°	2646.9	2486.4	2329.1	2040.8	1775.4	1580.0	1441.0	1385.4	1369.5	1346.5	1345.7
35°	2828.0	2637.4	2386.3	1944.7	1641.2	1426.7	1325.8	1286.1	1257.5	1221.0	1217.8
37.5°	3039.3	2825.6	2417.3	1822.3	1484.7	1300.4	1240.0	1195.5	1149.5	1101.0	1094.7
40°	3257.8	3045.7	2419.7	1677.7	1331.4	1217.0	1166.2	1108.2	1051.0	997.0	989.8
42.5°	3487.3	3250.6	2377.6	1510.9	1205.9	1144.7	1093.1	1020.0	955.6	919.1	915.1
45°	3692.3	3415.9	2282.3	1335.4	1112.9	1084.3	1018.4	939.8	905.6	879.4	873.8
47.5°	3853.6	3525.5	2153.6	1178.1	1037.5	1022.4	936.6	896.1	869.9	846.0	840.5
50°	3933.0	3550.1	1986.0	1050.2	967.6	949.3	890.5	859.5	842.0	823.0	818.2
52.5°	4031.5	3577.9	1841.4	942.9	899.2	874.6	852.4	827.7	815.0	803.1	799.2
55°	4257.9	3682.8	1765.1	857.1	834.1	823.0	819.8	799.2	795.2	787.2	780.1
57.5°	4350.0	3615.2	1584.8	787.2	782.5	784.1	792.0	772.9	769.0	759.4	754.7
60°	3498.5	2732.7	1073.2	726.9	739.6	749.9	757.8	738.8	733.2	731.6	725.3
62.5°	2241.8	1680.9	749.1	670.5	689.5	702.2	707.0	688.7	684.8	697.5	698.3
65°	1167.0	915.9	607.7	610.1	626.0	645.0	654.6	648.2	646.6	660.1	660.9
67.5°	595.8	560.0	529.9	538.6	551.3	575.9	598.2	626.0	635.5	637.1	637.9
70°	507.6	491.7	476.6	482.2	495.7	509.2	530.6	544.2	528.3	524.3	522.7
72.5°	432.1	420.2	413.1	419.4	426.6	424.2	417.8	424.2	426.6	427.4	428.2
75°	336.0	327.3	321.7	322.5	322.5	313.8	301.9	294.7	286.8	280.4	280.4
77.5°	205.7	207.3	212.9	212.1	211.3	208.1	196.2	189.9	170.8	165.2	165.2
80°	117.6	120.0	125.5	127.1	127.1	123.1	111.2	104.1	95.3	91.4	90.6
82.5°	71.5	74.7	77.8	79.4	80.2	75.5	65.1	59.6	54.8	50.8	50.8
85°	37.3	38.9	42.1	42.9	40.5	35.7	30.2	27.8	23.0	22.2	22.2
87.5°	10.3	11.1	12.7	10.3	9.5	7.1	4.0	3.2	1.6	0.8	0.8
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)