

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: P632530

Luminaire Tested: GWS-SA2C-830-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-830-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6262.1 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

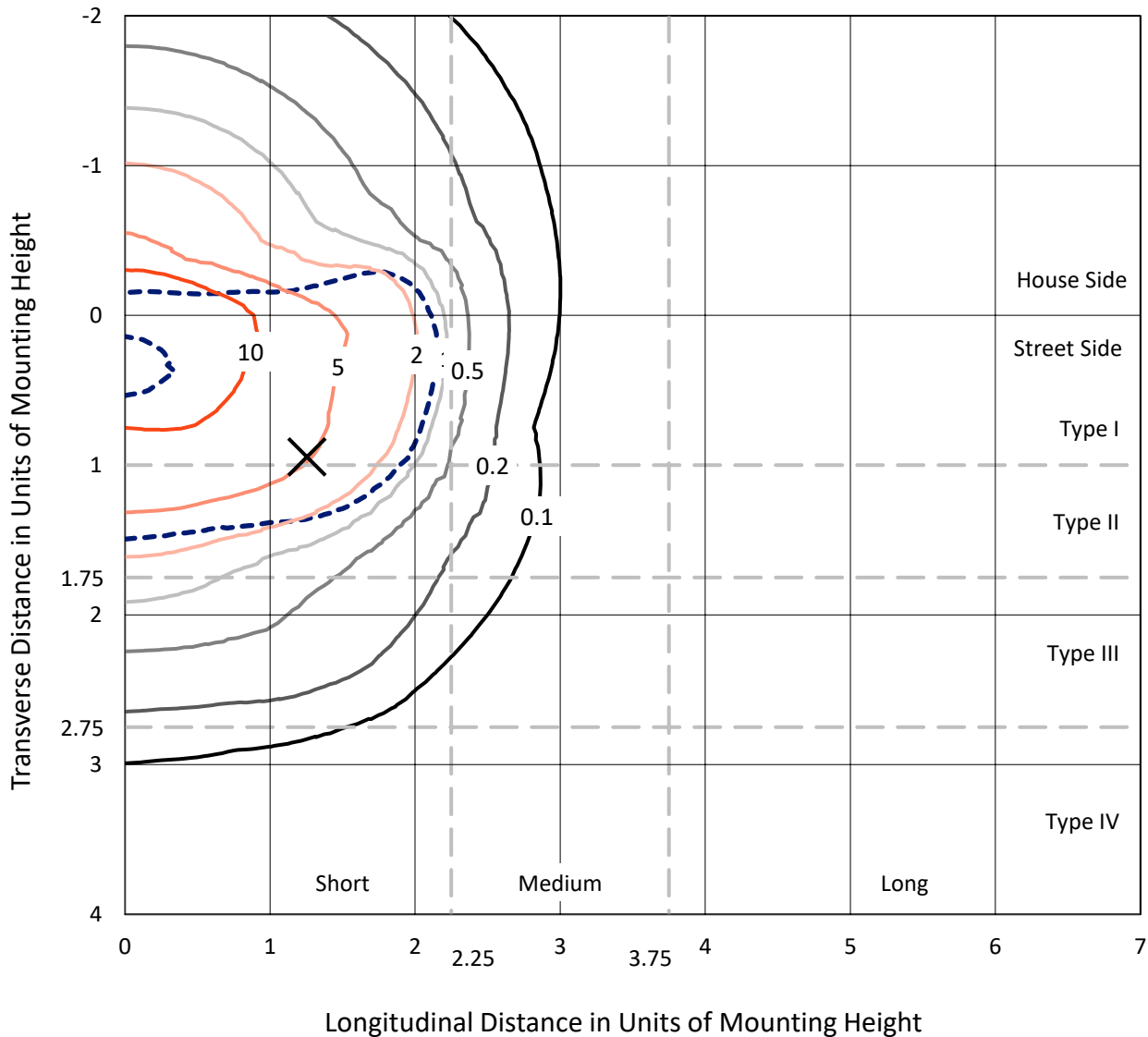
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

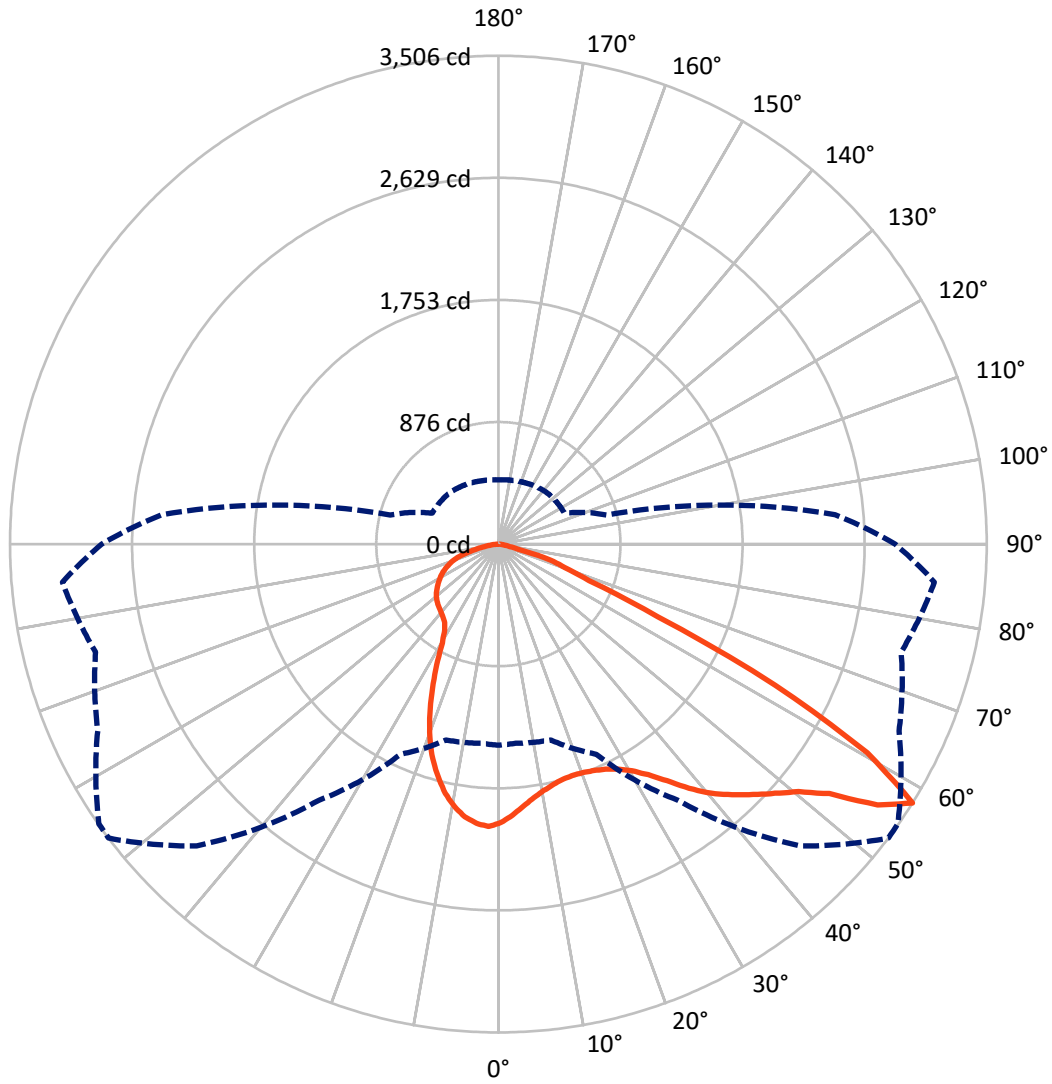
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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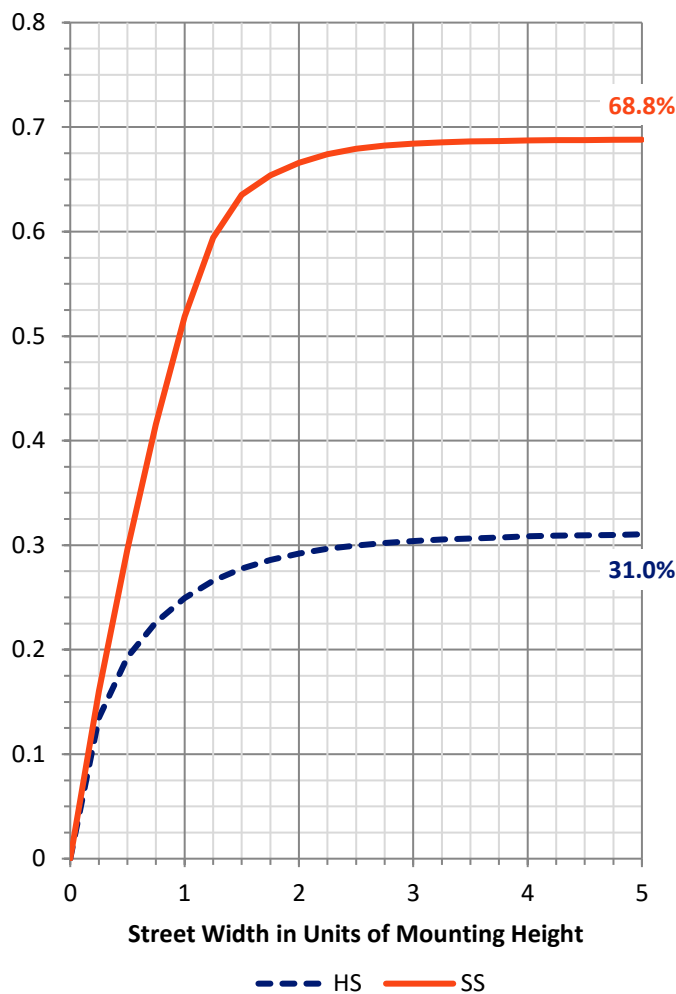
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1957.9	0.0	1957.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	4304.2	0.0	4304.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	6262.1	0.0	6262.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	2.9
10°-20°	474.4	7.6
20°-30°	699.0	11.2
30°-40°	978.4	15.6
40°-50°	1286.2	20.5
50°-60°	1508.0	24.1
60°-70°	888.4	14.2
70°-80°	221.0	3.5
80°-90°	25.9	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°	6262.1	100.0
0°-180°	6262.1	100.0

Coefficient of Utilization



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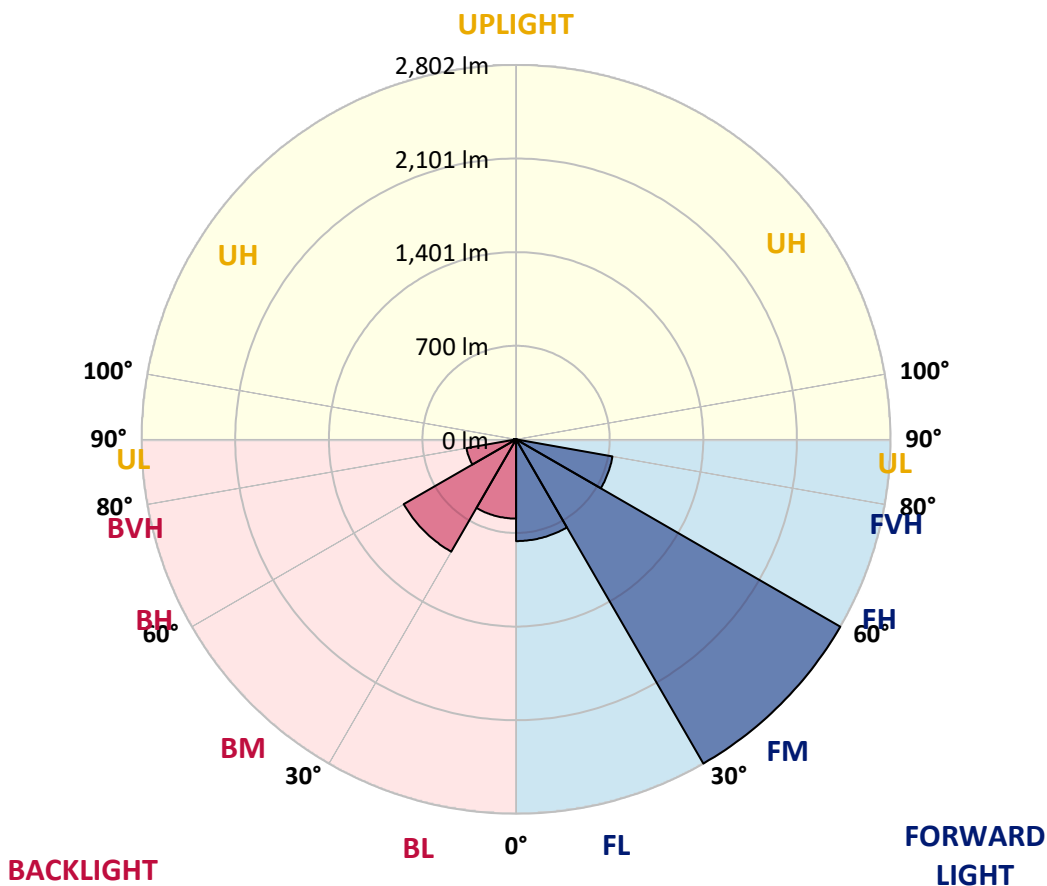
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	761.3	12.2			
FM (30°-60°)	2801.7	44.7			
FH (60°-80°)	732.4	11.7			G1/1800
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	592.9	9.5	B2/1000		
BM (30°-60°)	970.8	15.5	B1/1000		
BH (60°-80°)	377.0	6.0	B1/500		G1/500
BVH (80°-90°)	17.3	0.3			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°	53°	55°	65°	75°	85°
0°	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7
2.5°	1884.8	1890.0	1891.1	1907.4	1908.5	1932.2	1948.0	1944.8	1961.2	1981.2	1997.0
5°	1794.6	1795.2	1800.4	1819.9	1830.5	1861.6	1887.9	1887.9	1919.5	1960.7	1996.0
7.5°	1720.3	1719.8	1724.5	1746.1	1763.5	1801.0	1836.8	1841.0	1885.3	1945.4	2002.8
10°	1651.3	1655.0	1660.2	1686.6	1708.7	1755.1	1797.8	1804.6	1860.5	1934.8	2012.3
12.5°	1607.0	1607.5	1615.4	1644.9	1673.4	1723.0	1767.8	1776.2	1840.5	1924.8	2019.2
15°	1578.5	1579.1	1587.5	1620.2	1653.4	1703.5	1749.3	1758.8	1828.9	1923.2	2032.3
17.5°	1565.9	1565.4	1573.3	1605.9	1642.3	1694.5	1743.5	1755.1	1834.2	1935.4	2055.5
20°	1565.9	1566.4	1570.6	1600.1	1637.0	1692.4	1749.3	1763.5	1854.7	1962.8	2091.4
22.5°	1588.0	1590.1	1592.2	1612.3	1641.3	1695.5	1764.6	1783.6	1899.0	2008.6	2138.3
25°	1631.2	1631.8	1633.9	1650.2	1663.4	1704.5	1789.9	1818.3	1968.0	2075.6	2197.3
27.5°	1689.2	1696.6	1698.7	1709.2	1709.2	1726.6	1829.4	1870.5	2061.3	2172.0	2272.7
30°	1770.4	1773.0	1776.7	1788.3	1775.7	1768.3	1887.4	1940.1	2169.4	2288.5	2363.3
32.5°	1841.5	1847.3	1867.4	1886.3	1863.7	1840.5	1972.8	2035.0	2273.2	2409.7	2459.8
35°	1902.2	1916.4	1954.9	1997.0	1981.2	1958.0	2086.1	2150.9	2358.6	2496.7	2545.2
37.5°	1975.4	1986.5	2039.2	2107.7	2121.9	2110.9	2224.2	2270.6	2415.5	2518.8	2591.5
40°	2049.7	2066.6	2134.6	2229.5	2283.7	2291.6	2351.7	2382.8	2435.0	2475.6	2582.6
42.5°	2125.6	2154.6	2247.9	2358.6	2455.0	2473.0	2459.3	2472.4	2428.7	2416.0	2540.9
45°	2218.4	2252.6	2358.1	2499.3	2626.3	2654.3	2564.7	2552.5	2427.6	2393.4	2515.1
47.5°	2328.0	2362.3	2462.9	2627.4	2789.7	2810.3	2672.7	2650.6	2464.5	2428.2	2549.9
50°	2425.0	2448.7	2538.8	2722.8	2942.0	2954.2	2791.8	2764.9	2556.2	2524.6	2658.5
52.5°	2326.4	2323.8	2418.7	2645.3	3021.1	3167.1	2975.2	2949.4	2733.3	2684.8	2826.6
55°	1973.8	1943.8	2028.6	2251.6	2800.3	3356.3	3304.1	3252.5	2969.4	2846.1	2984.2
57.5°	1443.1	1434.7	1455.2	1664.4	2243.2	3063.3	3505.5	3500.7	3173.4	2993.7	3141.3
60°	1128.4	1115.8	1061.0	1066.8	1529.0	2392.8	3042.2	3181.8	3299.9	3082.2	3250.9
62.5°	1001.9	992.5	964.0	885.5	910.8	1604.4	2230.0	2358.1	2883.5	2722.3	2792.4
65°	829.6	827.0	850.7	847.5	763.2	886.0	1258.6	1387.7	1813.1	1835.7	1813.1
67.5°	603.0	598.2	658.3	776.9	734.7	668.8	701.5	746.3	929.7	834.9	751.6
70°	392.1	385.3	420.1	561.3	657.8	582.9	505.4	498.1	511.2	317.8	343.6
72.5°	263.0	255.1	254.6	308.9	397.4	392.7	391.6	387.9	346.3	250.9	278.3
75°	146.5	140.2	138.6	133.3	142.3	144.9	154.4	159.7	172.9	190.3	210.8
77.5°	24.8	24.2	30.6	39.0	53.8	69.0	85.4	90.1	111.2	131.8	144.9
80°	13.7	14.2	18.4	22.7	30.0	41.1	52.7	55.9	68.5	79.6	90.1
82.5°	7.4	7.4	9.5	12.1	16.3	21.6	28.5	31.1	39.5	46.4	53.8
85°	2.6	2.6	3.7	4.7	6.9	9.0	11.1	12.6	17.4	23.7	26.9
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.1	2.1	2.6	4.7	6.9
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°	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7
2.5°	2010.2	1996.0	2015.5	2024.4	2027.6	2029.7	2016.0	2006.5	2003.3	1993.3	1987.5
5°	2017.6	2008.1	2026.5	2026.5	2013.4	1999.7	1971.7	1952.2	1938.5	1922.2	1919.5
7.5°	2030.2	2023.4	2033.4	2012.8	1979.6	1942.7	1894.2	1856.3	1825.7	1805.7	1806.2
10°	2047.1	2038.7	2030.8	1984.9	1924.3	1856.3	1782.0	1726.6	1676.0	1652.9	1640.2
12.5°	2058.2	2046.0	2012.8	1936.9	1847.9	1756.7	1651.8	1569.6	1496.3	1463.1	1460.5
15°	2071.9	2049.7	1983.3	1874.7	1750.9	1626.5	1491.6	1377.2	1278.1	1226.5	1223.8
17.5°	2089.8	2053.4	1948.0	1803.6	1648.6	1465.2	1295.5	1151.6	1046.2	1006.2	1013.0
20°	2115.1	2057.6	1907.9	1724.5	1521.6	1281.8	1070.5	938.2	897.6	894.9	889.7
22.5°	2143.5	2060.3	1863.7	1636.0	1367.7	1086.3	884.4	828.0	827.5	840.7	843.8
25°	2175.7	2062.4	1813.6	1532.7	1201.2	891.3	782.2	765.3	778.5	803.2	806.4
27.5°	2216.8	2066.6	1753.0	1419.4	1024.1	770.0	725.8	721.5	737.4	760.5	759.5
30°	2277.4	2081.9	1688.7	1289.2	842.2	712.6	691.5	692.0	698.4	709.4	711.0
32.5°	2339.1	2105.6	1626.0	1142.7	737.9	679.9	670.4	669.4	669.4	674.1	675.2
35°	2397.6	2132.5	1558.0	989.8	687.3	660.9	654.6	651.4	649.9	648.8	647.2
37.5°	2430.3	2145.7	1491.6	839.1	660.4	648.3	642.0	637.7	631.9	627.7	626.7
40°	2416.0	2130.4	1414.6	726.3	644.1	636.2	628.8	623.0	615.1	611.4	609.3
42.5°	2368.6	2082.9	1330.8	673.1	630.9	623.0	614.0	604.5	599.3	596.1	595.6
45°	2318.5	2025.5	1229.6	642.0	618.2	608.8	598.2	587.7	581.9	580.3	579.8
47.5°	2316.9	1997.0	1122.1	617.2	603.0	593.5	580.3	569.7	563.4	561.3	559.2
50°	2386.5	2026.0	1000.9	595.6	587.1	577.1	562.4	550.8	542.9	540.2	539.7
52.5°	2530.9	2135.1	892.3	574.0	566.1	554.5	542.3	530.7	521.3	516.5	516.0
55°	2686.9	2273.7	824.8	551.8	541.3	531.3	520.2	507.6	497.0	489.6	488.6
57.5°	2848.2	2425.0	804.3	523.9	516.0	509.1	496.0	482.3	470.1	463.3	461.7
60°	2981.0	2555.2	842.8	494.4	490.2	481.2	469.1	455.9	447.5	442.2	441.1
62.5°	2495.6	2080.3	680.4	462.2	462.2	452.7	439.0	429.6	423.8	420.1	419.0
65°	1583.8	1288.1	464.3	430.1	429.6	416.9	405.3	399.0	396.3	390.5	389.5
67.5°	689.9	588.7	396.9	397.4	395.3	381.6	370.0	365.3	360.0	353.7	353.1
70°	357.9	364.7	355.2	361.0	357.3	341.0	329.9	322.6	311.5	305.2	305.7
72.5°	288.8	296.2	306.7	315.7	307.8	294.6	277.2	268.3	254.0	247.2	247.7
75°	220.3	228.2	238.2	247.7	241.4	225.1	214.0	205.0	188.7	180.8	182.4
77.5°	151.8	156.0	168.1	167.6	165.5	160.8	144.4	133.9	117.0	107.5	108.6
80°	94.3	97.0	102.8	105.4	104.4	98.0	84.9	77.0	66.9	61.1	61.7
82.5°	56.9	58.5	63.8	64.3	63.8	59.0	49.0	43.2	36.9	33.7	33.7
85°	29.0	30.0	33.2	33.2	30.0	25.3	22.7	20.0	16.3	14.8	14.8
87.5°	7.9	7.9	10.0	8.4	6.9	6.3	3.2	2.6	1.1	0.5	0.5
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)