

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: P633335

Luminaire Tested: GWS-SA2E-740-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-740-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14093.7 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

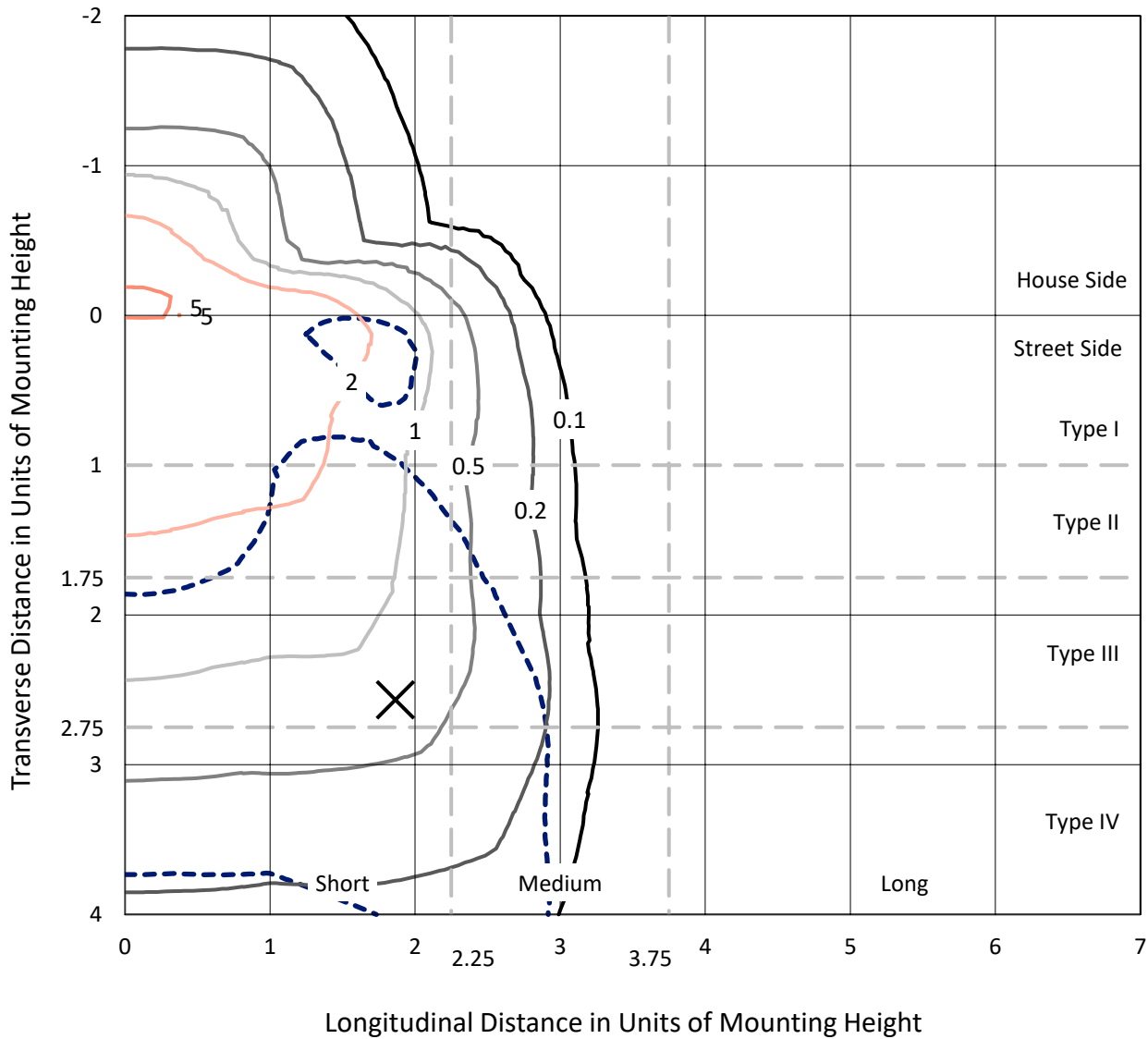
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633335
 CATALOG NUMBER: GWS-SA2E-740-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

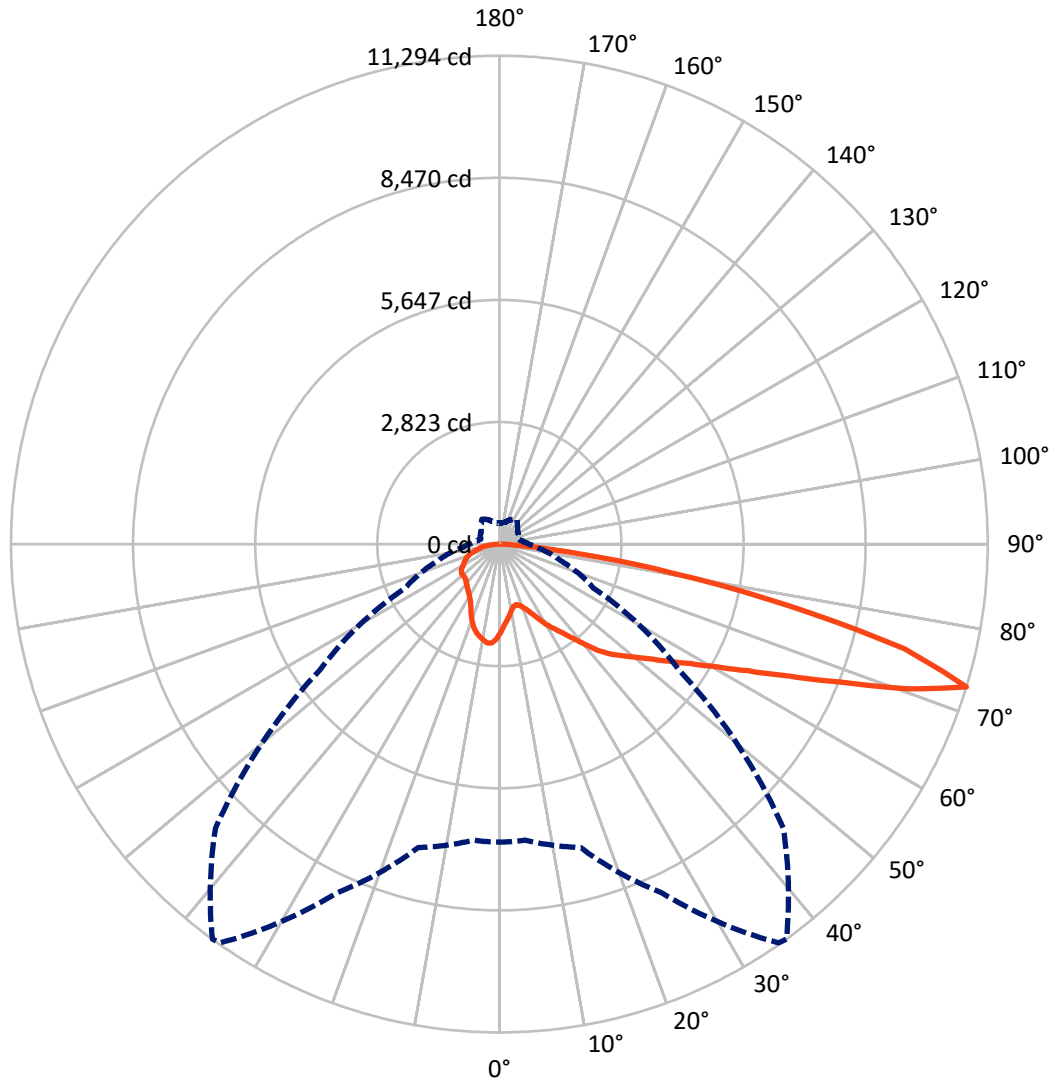
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P633335
CATALOG NUMBER: GWS-SA2E-740-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P633335

CATALOG NUMBER: GWS-SA2E-740-U-T4FT-W

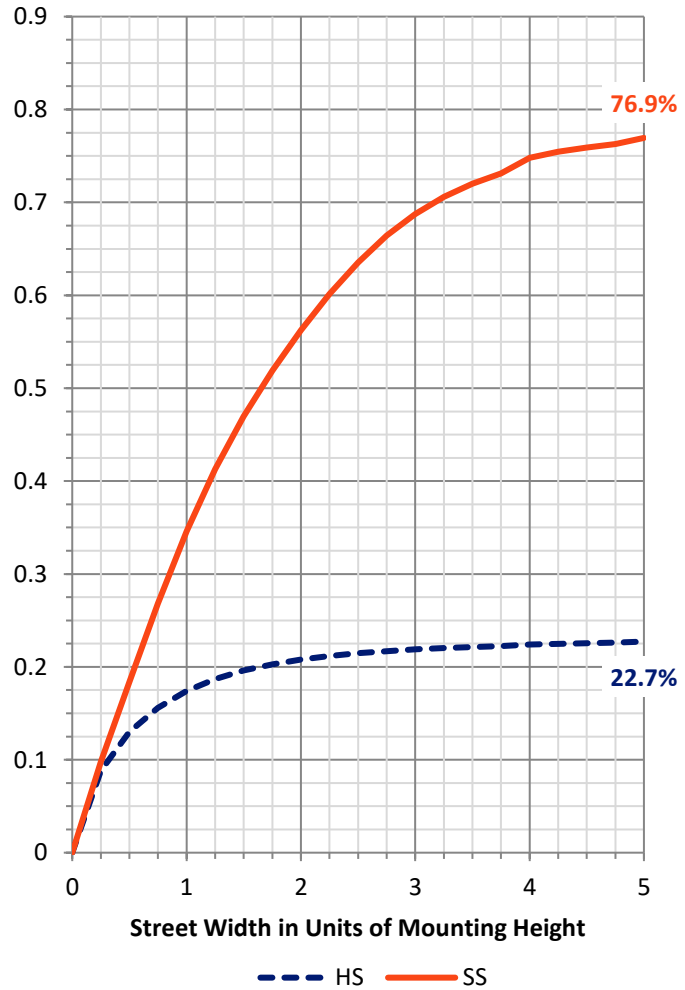
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3249.2	0.0	3249.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	10844.5	0.0	10844.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	14093.7	0.0	14093.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.8	1.4
10°-20°	544.0	3.9
20°-30°	900.9	6.4
30°-40°	1349.2	9.6
40°-50°	1968.3	14.0
50°-60°	2801.5	19.9
60°-70°	3539.5	25.1
70°-80°	2522.2	17.9
80°-90°	275.3	2.0
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°	14093.7	100.0
0°-180°	14093.7	100.0

Coefficient of Utilization



REPORT NUMBER: P633335

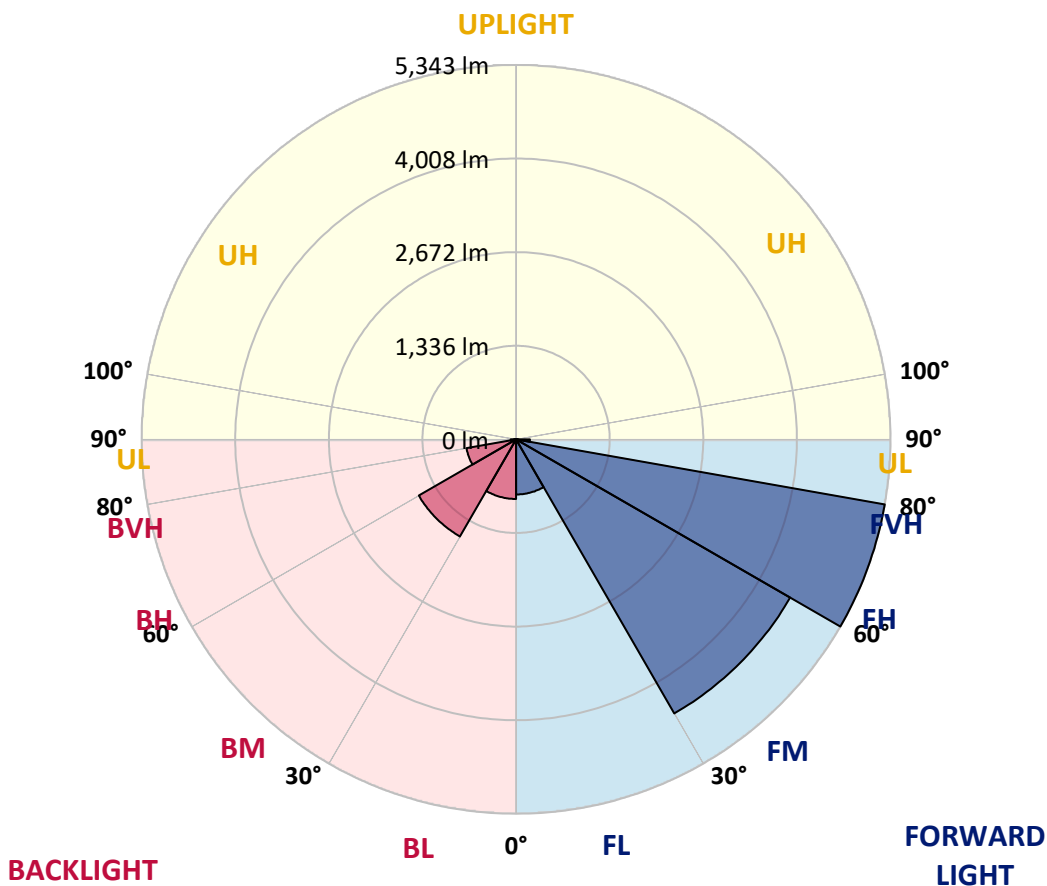
CATALOG NUMBER: GWS-SA2E-740-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	786.8	5.6			
FM (30°-60°)	4516.7	32.0			
FH (60°-80°)	5343.4	37.9			G3/7500
FVH (80°-90°)	197.6	1.4			G2/225
BL (0°-30°)	850.9	6.0	B2/1000		
BM (30°-60°)	1602.3	11.4	B2/2500		
BH (60°-80°)	718.3	5.1	B2/1000		G2/1000
BVH (80°-90°)	77.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P633335
 CATALOG NUMBER: GWS-SA2E-740-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7
2.5°	1881.7	1878.6	1872.3	1891.1	1910.0	1907.9	1934.0	1959.1	1986.3	2014.6	2052.2
5°	1731.1	1729.0	1723.8	1752.0	1780.3	1779.2	1822.1	1862.9	1918.3	1979.0	2054.3
7.5°	1580.5	1575.2	1582.6	1618.1	1657.9	1662.1	1720.6	1787.6	1868.1	1959.1	2065.8
10°	1447.6	1446.6	1449.7	1489.5	1549.1	1553.3	1628.6	1721.7	1828.4	1949.7	2092.0
12.5°	1413.1	1411.0	1402.7	1422.5	1467.5	1473.8	1556.4	1670.4	1801.2	1954.9	2127.5
15°	1469.6	1464.4	1435.1	1425.7	1447.6	1452.9	1522.9	1640.1	1785.5	1964.4	2172.5
17.5°	1566.9	1563.7	1508.3	1469.6	1484.2	1488.4	1540.7	1634.9	1781.3	1983.2	2227.9
20°	1709.1	1695.5	1608.7	1550.1	1550.1	1556.4	1587.8	1657.9	1786.5	2006.2	2290.7
22.5°	1897.4	1870.2	1747.8	1668.3	1647.4	1655.8	1669.4	1715.4	1808.5	2044.9	2369.1
25°	2108.7	2083.6	1938.2	1826.3	1797.0	1800.1	1788.6	1797.0	1856.6	2098.2	2466.4
27.5°	2333.6	2316.8	2162.0	2019.8	1973.8	1973.8	1933.0	1913.1	1923.6	2158.9	2575.2
30°	2534.4	2511.4	2380.7	2224.8	2164.1	2164.1	2086.7	2043.8	2018.7	2233.2	2720.6
32.5°	2640.1	2626.5	2539.6	2420.4	2346.1	2334.6	2267.7	2217.5	2158.9	2343.0	2917.2
35°	2778.1	2775.0	2722.7	2629.6	2535.5	2518.7	2472.7	2433.0	2331.5	2480.0	3178.7
37.5°	2951.8	2946.5	2938.2	2882.7	2769.8	2766.6	2725.8	2677.7	2545.9	2677.7	3495.7
40°	3146.3	3136.9	3126.4	3125.4	3057.4	3045.9	3042.8	2988.4	2804.3	2916.2	3826.2
42.5°	3414.1	3381.7	3283.3	3327.3	3377.5	3367.0	3406.8	3325.2	3126.4	3199.7	4139.0
45°	3743.6	3664.1	3469.5	3482.1	3608.6	3629.6	3767.6	3747.8	3481.0	3527.1	4468.4
47.5°	3941.3	3872.2	3691.3	3680.8	3838.8	3864.9	4165.1	4202.8	3862.8	3921.4	4875.3
50°	4103.4	4055.3	3906.7	3921.4	4088.7	4114.9	4559.4	4640.0	4222.6	4325.1	5348.1
52.5°	4299.0	4230.0	4114.9	4183.9	4388.9	4420.3	4997.7	5084.5	4546.9	4768.6	5837.6
55°	4408.8	4380.6	4382.7	4488.3	4745.6	4788.5	5456.9	5442.2	4843.9	5148.3	6205.8
57.5°	4661.9	4651.5	4747.7	4787.5	5161.9	5217.4	5916.1	5790.6	5113.8	5442.2	6382.6
60°	5108.6	5082.4	5166.1	5226.8	5676.5	5755.0	6428.6	6131.5	5296.9	5660.9	6323.0
62.5°	5736.2	5703.7	5706.9	5803.1	6365.8	6448.5	6998.7	6416.1	5353.3	5694.3	5945.4
65°	6516.5	6469.4	6416.1	6546.8	7281.1	7350.1	7618.9	6623.2	5218.4	5372.2	5156.7
67.5°	7339.7	7301.0	7238.2	7512.2	8466.2	8508.0	8314.5	6605.4	4790.6	4510.3	3617.0
70°	7387.8	7397.2	7694.2	8685.8	10013.2	10023.6	8972.4	6247.6	3879.5	2923.5	1802.2
72.5°	6892.0	6876.3	7263.3	8900.3	11257.9	11293.5	9283.1	5061.5	2397.4	1458.1	845.2
75°	5598.1	5625.3	6032.2	7787.3	9649.2	9680.6	7567.7	2984.2	1139.1	713.4	540.8
77.5°	2409.9	2561.6	3363.9	5486.2	6910.8	6813.5	3900.5	1209.2	607.7	508.3	414.2
80°	695.6	755.2	1198.7	2608.7	4141.0	4067.8	1543.9	452.9	423.6	381.8	297.1
82.5°	224.9	248.9	439.3	1038.7	1855.6	1853.5	585.7	267.8	277.2	259.4	191.4
85°	62.8	72.2	134.9	314.8	574.2	562.7	169.4	126.6	147.5	149.6	95.2
87.5°	0.0	0.0	1.0	2.1	2.1	2.1	4.2	18.8	42.9	54.4	38.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633335
 CATALOG NUMBER: GWS-SA2E-740-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7
2.5°	2075.2	2072.1	2115.0	2148.4	2179.8	2200.7	2207.0	2211.2	2219.6	2223.8	2219.6
5°	2089.9	2105.6	2176.7	2229.0	2270.8	2295.9	2297.0	2294.9	2301.2	2295.9	2292.8
7.5°	2121.3	2151.6	2241.5	2297.0	2324.2	2325.2	2300.1	2270.8	2256.2	2243.6	2239.4
10°	2163.1	2208.1	2306.4	2343.0	2334.6	2295.9	2240.5	2194.5	2168.3	2149.5	2145.3
12.5°	2220.6	2270.8	2363.9	2362.9	2310.6	2241.5	2176.7	2121.3	2083.6	2061.6	2054.3
15°	2275.0	2338.8	2405.8	2356.6	2274.0	2190.3	2106.6	2032.3	1982.1	1947.6	1941.3
17.5°	2342.0	2409.9	2436.1	2336.7	2227.9	2120.2	2008.3	1911.0	1843.0	1802.2	1799.1
20°	2419.4	2480.0	2450.7	2302.2	2168.3	2027.1	1875.4	1766.7	1693.4	1653.7	1656.8
22.5°	2509.3	2553.2	2454.9	2255.1	2085.7	1895.3	1725.9	1621.3	1572.1	1551.2	1552.2
25°	2605.5	2633.8	2447.6	2191.3	1959.1	1734.2	1572.1	1524.0	1519.8	1514.6	1516.7
27.5°	2719.6	2713.3	2425.6	2101.4	1788.6	1547.0	1464.4	1476.9	1493.7	1491.6	1493.7
30°	2872.3	2812.6	2397.4	1976.9	1585.7	1390.1	1400.6	1436.1	1458.1	1460.2	1466.5
32.5°	3046.9	2922.5	2352.4	1807.5	1392.2	1302.2	1340.9	1383.8	1410.0	1415.2	1423.6
35°	3255.1	3048.0	2272.9	1596.2	1253.1	1249.9	1285.5	1314.8	1343.0	1345.1	1345.1
37.5°	3494.6	3173.5	2146.4	1362.9	1167.3	1205.0	1238.4	1244.7	1252.0	1245.8	1248.9
40°	3714.3	3294.8	1966.4	1150.6	1097.2	1165.2	1193.5	1172.5	1149.5	1133.8	1137.0
42.5°	3898.4	3377.5	1728.0	1002.1	1026.1	1129.7	1151.6	1108.7	1063.8	1034.5	1038.7
45°	4105.5	3453.8	1447.6	901.6	965.4	1104.6	1119.2	1063.8	1006.2	962.3	956.0
47.5°	4391.0	3609.7	1198.7	831.6	922.6	1091.0	1115.0	1039.7	964.4	898.5	891.2
50°	4743.5	3830.4	990.5	785.5	902.7	1083.6	1114.0	1013.6	923.6	846.2	841.0
52.5°	5128.4	4045.9	836.8	750.0	882.8	1061.7	1108.7	984.3	880.7	797.0	790.8
55°	5384.7	4130.6	733.2	716.5	850.4	1027.2	1087.8	956.0	815.9	739.5	730.1
57.5°	5460.0	4021.8	661.1	686.2	808.5	979.0	1048.1	896.4	776.1	715.5	708.1
60°	5330.3	3747.8	616.1	661.1	762.5	917.3	979.0	861.9	744.7	690.3	685.1
62.5°	4964.2	3325.2	581.6	634.9	715.5	852.5	935.1	820.0	710.2	667.3	660.0
65°	4227.9	2726.9	553.3	607.7	670.5	790.8	887.0	778.2	672.6	640.1	631.8
67.5°	2957.0	1915.2	523.0	575.3	625.5	731.1	836.8	739.5	633.9	609.8	601.4
70°	1445.5	1015.6	486.4	537.6	577.4	670.5	786.6	692.4	582.6	569.0	557.5
72.5°	688.3	568.0	443.5	486.4	511.5	589.9	702.9	624.5	521.9	492.7	472.8
75°	461.3	403.7	387.0	425.7	432.0	494.7	602.5	538.7	460.2	426.8	410.0
77.5°	349.4	308.6	325.3	359.8	347.3	406.9	495.8	480.1	415.3	384.9	376.6
80°	245.8	224.9	258.4	279.3	269.9	346.2	446.6	411.1	342.0	308.6	302.3
82.5°	154.8	150.6	190.4	193.5	196.6	274.0	367.1	323.2	265.7	218.6	202.9
85°	77.4	85.8	114.0	114.0	113.0	141.2	209.2	182.0	143.3	114.0	110.9
87.5°	26.1	36.6	49.2	39.7	30.3	24.1	27.2	33.5	35.6	34.5	34.5
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)