

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: P633429

Luminaire Tested: GWS-SA2E-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12273.1 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

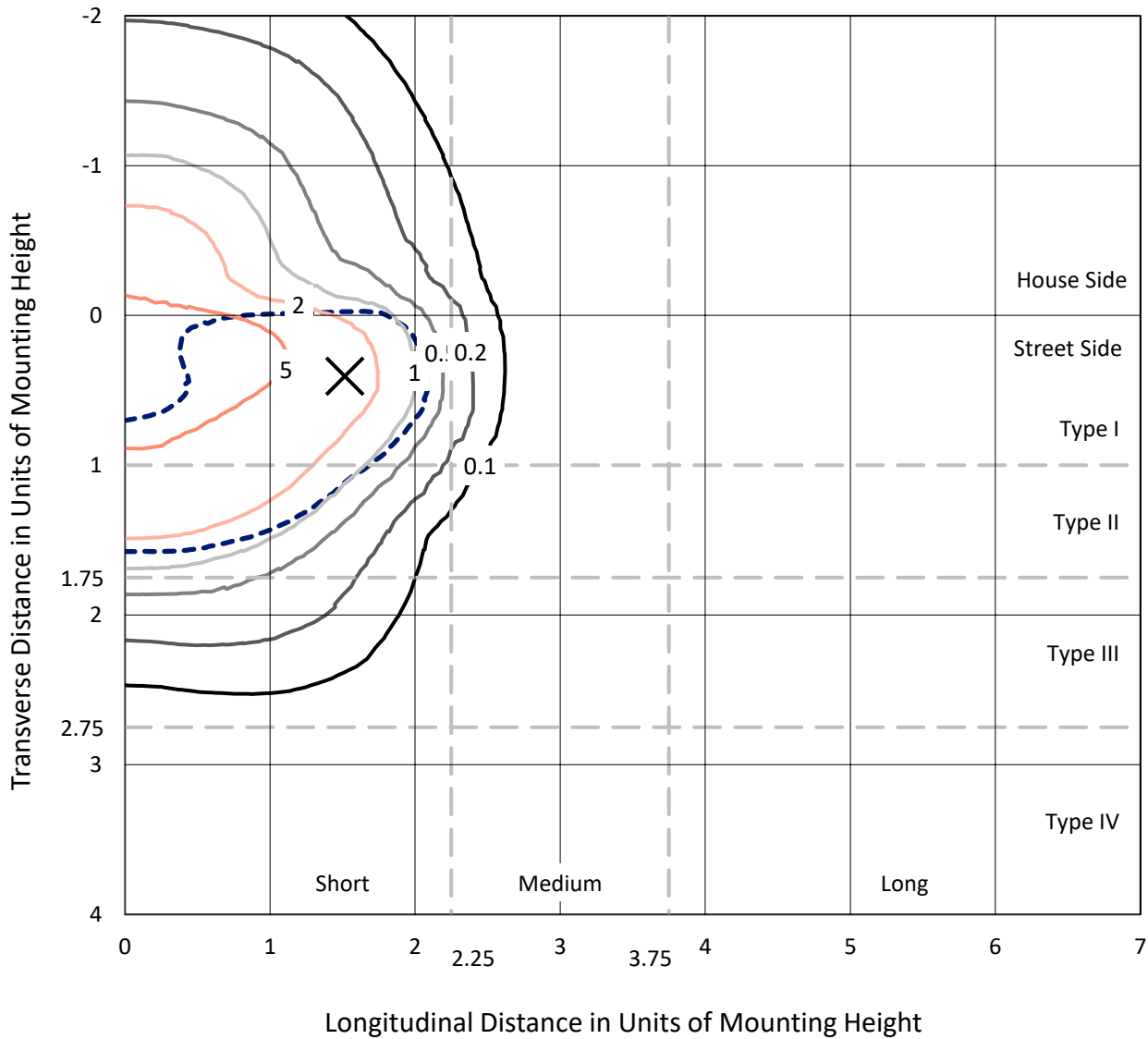
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633429
 CATALOG NUMBER: GWS-SA2E-760-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

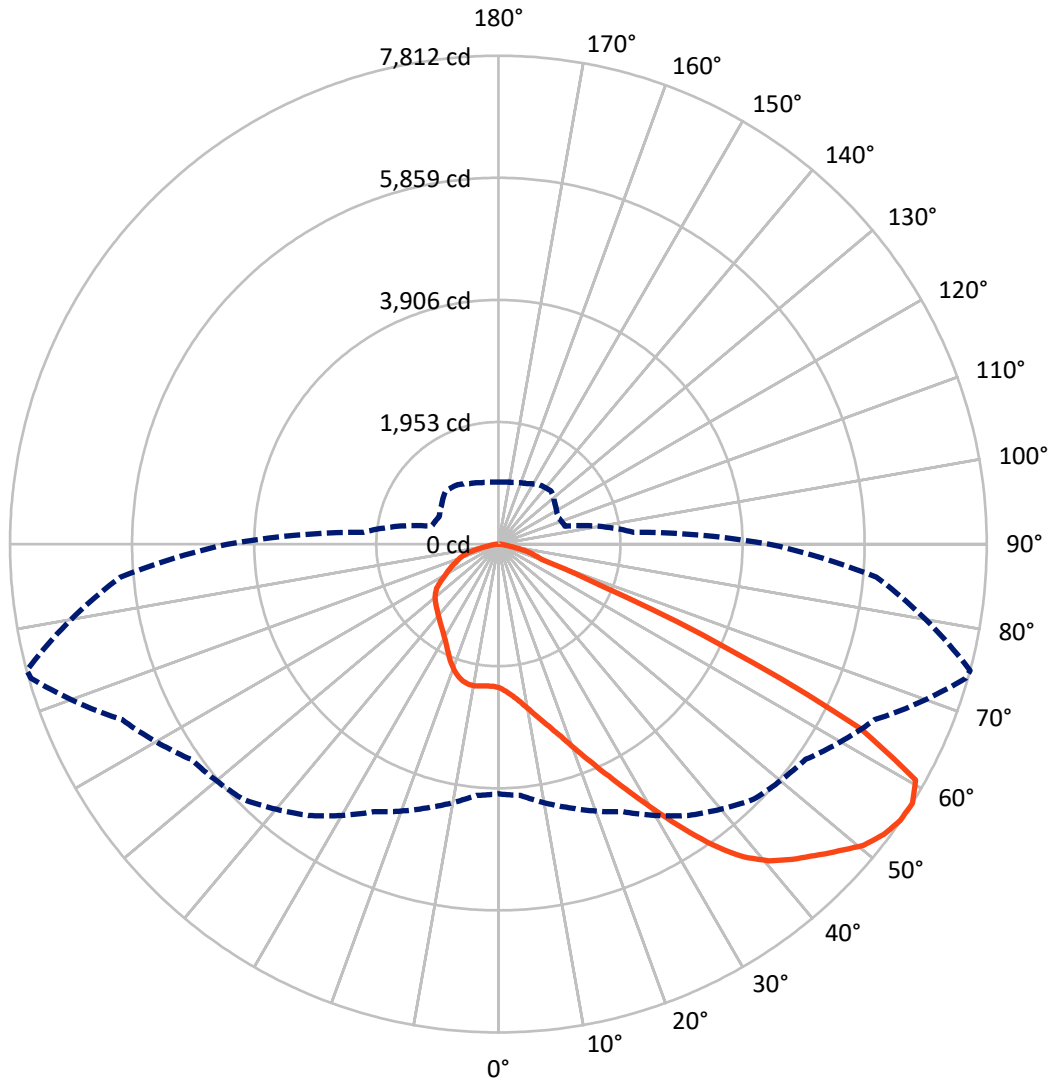
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

REPORT NUMBER: P633429
CATALOG NUMBER: GWS-SA2E-760-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633429
 CATALOG NUMBER: GWS-SA2E-760-U-T2-W-GRSWH

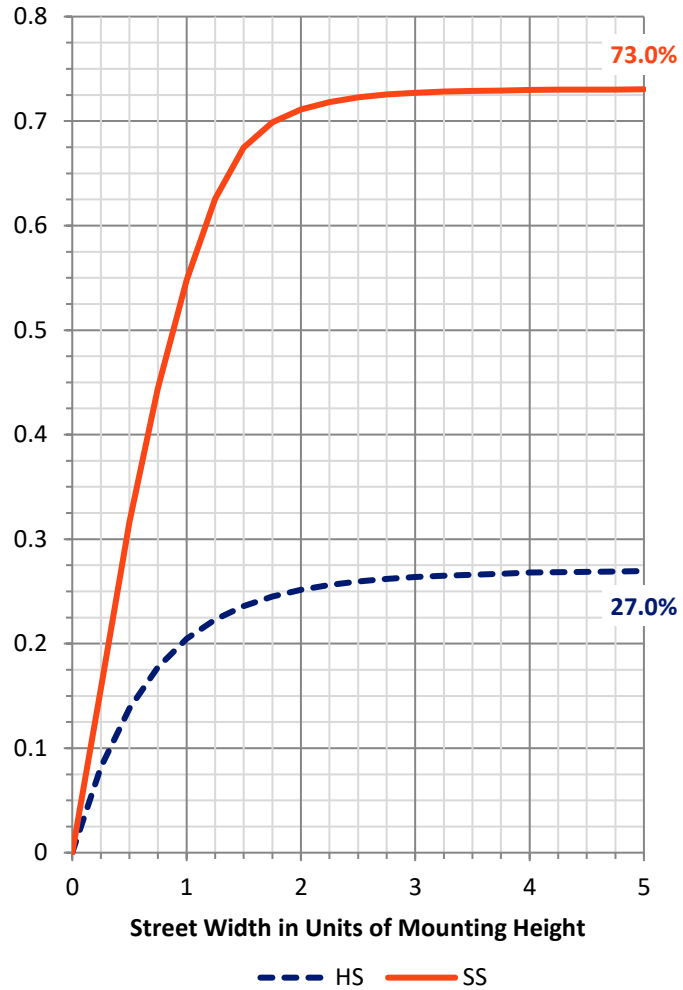
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3320.1	0.0	3320.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	8953.0	0.0	8953.0
	% Fixture	72.9	0.0	72.9
Total	Lumens	12273.1	0.0	12273.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.0	1.9
10°-20°	732.3	6.0
20°-30°	1298.7	10.6
30°-40°	1988.1	16.2
40°-50°	2768.2	22.6
50°-60°	3171.9	25.8
60°-70°	1629.8	13.3
70°-80°	410.3	3.3
80°-90°	43.9	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°	12273.1	100.0
0°-180°	12273.1	100.0

Coefficient of Utilization



REPORT NUMBER: P633429

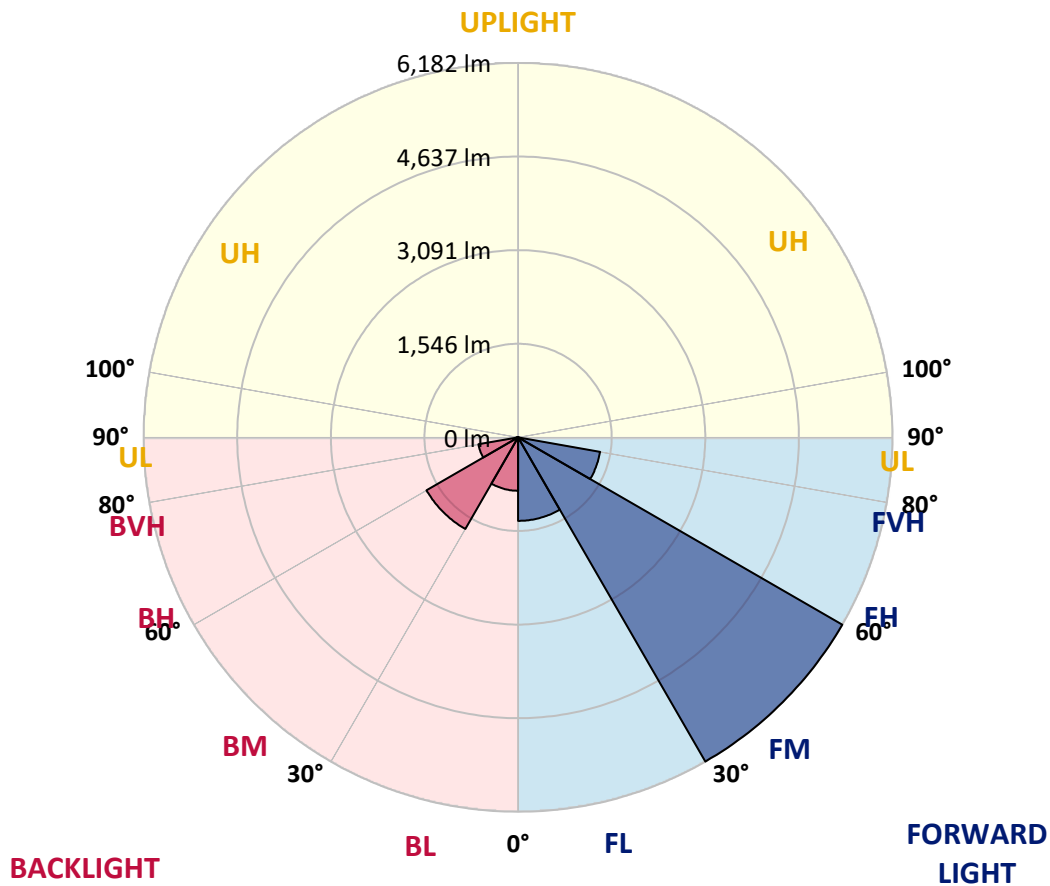
CATALOG NUMBER: GWS-SA2E-760-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1379.0	11.2			
FM (30°-60°)	6182.1	50.4			
FH (60°-80°)	1375.7	11.2			G1/1800
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	882.0	7.2	B2/1000		
BM (30°-60°)	1746.1	14.2	B2/2500		
BH (60°-80°)	664.4	5.4	B2/1000		G2/1000
BVH (80°-90°)	27.6	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





REPORT NUMBER: P633429

CATALOG NUMBER: GWS-SA2E-760-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5
2.5°	2469.4	2475.7	2469.4	2480.0	2458.9	2449.4	2426.1	2391.3	2363.9	2359.7	2329.1
5°	2661.5	2675.2	2666.8	2662.5	2634.0	2612.9	2578.1	2508.5	2451.5	2443.0	2382.9
7.5°	2785.0	2794.5	2794.5	2797.6	2787.1	2762.8	2725.9	2643.5	2563.3	2550.7	2459.9
10°	2826.1	2833.5	2847.2	2873.6	2894.7	2902.1	2877.8	2798.7	2700.5	2687.9	2561.2
12.5°	2835.6	2844.1	2865.2	2913.7	2971.7	3024.5	3028.7	2970.7	2860.9	2847.2	2678.4
15°	2853.5	2862.0	2890.5	2950.6	3036.1	3137.4	3199.7	3159.6	3038.2	3023.5	2811.3
17.5°	2851.4	2860.9	2903.1	2983.4	3098.4	3245.1	3365.4	3382.3	3256.7	3231.3	2962.2
20°	2846.2	2854.6	2900.0	2998.1	3140.6	3342.2	3559.5	3647.1	3512.1	3488.8	3138.5
22.5°	2888.4	2897.9	2932.7	3014.0	3162.8	3417.1	3739.0	3950.0	3814.9	3782.2	3341.1
25°	2983.4	2997.1	3018.2	3074.1	3202.9	3483.6	3922.6	4293.0	4154.7	4115.7	3561.7
27.5°	3130.0	3146.9	3176.5	3202.9	3292.6	3568.0	4105.1	4677.1	4538.9	4497.7	3794.9
30°	3309.4	3331.6	3369.6	3387.5	3448.7	3692.5	4303.5	5072.9	4992.7	4935.7	4057.7
32.5°	3557.4	3588.0	3623.9	3629.2	3666.1	3881.4	4499.8	5465.4	5464.4	5424.3	4356.3
35°	3880.4	3913.1	3920.5	3927.8	3945.8	4141.0	4737.3	5823.2	5961.4	5915.0	4681.3
37.5°	4232.8	4280.3	4291.9	4259.2	4284.5	4453.4	5004.3	6110.2	6394.1	6344.5	4995.8
40°	4609.6	4628.6	4660.2	4608.5	4640.2	4811.1	5266.0	6293.8	6717.0	6664.3	5243.8
42.5°	4879.7	4914.6	4962.0	4943.1	4961.0	5117.2	5449.6	6382.5	6947.1	6894.3	5422.2
45°	5173.1	5183.7	5214.3	5210.0	5220.6	5366.2	5581.5	6421.5	7152.9	7105.4	5574.1
47.5°	5428.5	5444.3	5464.4	5441.2	5417.9	5512.9	5689.2	6455.3	7390.3	7333.3	5733.5
50°	5674.4	5688.1	5712.4	5644.8	5558.3	5582.6	5741.9	6501.7	7613.0	7572.9	5859.1
52.5°	5719.8	5734.5	5848.5	5862.2	5751.4	5665.9	5834.8	6604.1	7743.8	7718.5	5904.4
55°	5148.8	5175.2	5402.1	5662.8	5936.1	5908.7	5983.6	6657.9	7795.5	7801.9	5985.7
57.5°	3996.4	4034.4	4365.8	4723.6	5298.7	5774.6	6002.6	6644.2	7777.6	7812.4	6069.1
60°	2621.4	2643.5	3036.1	3437.1	4033.4	4691.9	5372.6	6397.3	7618.3	7667.9	6048.0
62.5°	1583.0	1608.3	1923.8	2227.8	2579.2	3019.2	3644.0	5141.5	6385.7	6496.5	4843.9
65°	1104.9	1138.7	1415.2	1665.3	1786.6	1695.9	1845.7	2871.5	3978.5	4024.9	2960.1
67.5°	801.0	824.2	1051.1	1348.7	1482.7	1197.8	912.8	1271.6	1732.8	1749.7	1221.0
70°	524.5	550.9	756.7	1026.8	1210.4	970.9	682.8	688.1	729.2	737.7	709.2
72.5°	288.1	303.9	467.5	681.7	715.5	580.4	532.9	572.0	600.5	600.5	607.9
75°	148.8	162.5	191.0	224.8	271.2	317.6	384.1	442.2	472.8	474.9	471.7
77.5°	76.0	81.3	102.4	110.8	121.4	141.4	183.6	235.3	262.8	273.3	271.2
80°	35.9	38.0	43.3	50.7	62.3	79.1	99.2	118.2	135.1	137.2	148.8
82.5°	19.0	21.1	23.2	27.4	33.8	42.2	58.0	69.7	80.2	82.3	91.8
85°	7.4	8.4	9.5	10.6	14.8	17.9	24.3	32.7	40.1	40.1	47.5
87.5°	0.0	0.0	0.0	0.0	1.1	2.1	4.2	5.3	7.4	7.4	12.7
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: P633429

CATALOG NUMBER: GWS-SA2E-760-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5
2.5°	2321.7	2291.1	2277.4	2255.2	2237.2	2217.2	2201.4	2189.8	2182.4	2178.2	2173.9
5°	2359.7	2313.2	2276.3	2232.0	2201.4	2171.8	2147.5	2130.7	2122.2	2115.9	2111.7
7.5°	2418.8	2356.5	2286.8	2218.3	2164.4	2116.9	2086.3	2068.4	2056.8	2052.6	2049.4
10°	2500.0	2413.5	2298.5	2189.8	2109.6	2057.8	2036.7	2028.3	2029.4	2027.2	2026.2
12.5°	2591.8	2473.6	2295.3	2139.1	2050.5	2019.9	2020.9	2034.6	2050.5	2054.7	2055.7
15°	2691.0	2532.7	2264.7	2073.7	2004.0	2007.2	2034.6	2067.3	2096.9	2108.5	2110.6
17.5°	2798.7	2582.3	2208.8	2001.9	1966.0	1999.8	2050.5	2104.3	2147.5	2166.5	2171.8
20°	2919.0	2624.5	2129.6	1931.2	1930.2	1986.1	2060.0	2130.7	2185.5	2210.9	2215.1
22.5°	3046.7	2650.9	2032.5	1865.8	1893.2	1968.1	2052.6	2126.4	2184.5	2209.8	2215.1
25°	3175.4	2659.4	1925.9	1805.6	1855.2	1939.7	2016.7	2075.8	2130.7	2152.8	2157.0
27.5°	3295.7	2635.1	1824.6	1753.9	1820.4	1897.4	1949.2	1980.8	2018.8	2035.7	2038.9
30°	3418.1	2586.6	1739.1	1712.8	1781.4	1839.4	1862.6	1864.7	1879.5	1879.5	1881.6
32.5°	3541.6	2514.8	1664.2	1672.7	1732.8	1770.8	1774.0	1749.7	1731.8	1702.2	1701.2
35°	3684.1	2442.0	1603.0	1627.3	1675.8	1699.0	1689.5	1643.1	1599.8	1551.3	1549.2
37.5°	3816.0	2367.1	1551.3	1580.8	1611.5	1628.3	1606.2	1550.2	1514.4	1464.8	1457.4
40°	3924.7	2299.5	1501.7	1532.3	1547.1	1561.9	1526.0	1480.6	1485.9	1458.4	1457.4
42.5°	3988.0	2234.1	1455.3	1478.5	1488.0	1498.5	1466.9	1433.1	1461.6	1440.5	1441.5
45°	4034.4	2177.1	1413.1	1421.5	1444.7	1460.5	1431.0	1393.0	1399.3	1318.1	1299.1
47.5°	4087.2	2145.4	1373.0	1364.5	1405.7	1433.1	1387.7	1332.9	1294.9	1214.7	1207.3
50°	4143.1	2133.8	1330.7	1307.5	1357.1	1383.5	1330.7	1262.1	1212.5	1169.3	1165.1
52.5°	4162.1	2132.8	1278.0	1238.9	1288.5	1325.5	1281.1	1211.5	1152.4	1110.2	1108.1
55°	4237.1	2163.4	1210.4	1145.0	1191.4	1267.4	1234.7	1134.5	1087.0	1068.0	1065.9
57.5°	4324.6	2168.7	1103.9	1042.6	1107.0	1196.7	1155.6	1069.0	1017.3	994.1	992.0
60°	4288.8	2038.9	989.9	964.5	1035.3	1130.2	1092.2	1017.3	957.2	935.0	932.9
62.5°	3268.3	1439.4	906.5	897.0	958.2	1034.2	1026.8	948.7	891.7	875.9	873.8
65°	1966.0	1011.0	826.3	825.2	868.5	941.3	950.8	887.5	827.4	805.2	805.2
67.5°	971.9	773.5	735.5	730.3	757.7	809.4	849.5	797.8	747.2	726.1	722.9
70°	687.0	681.7	669.1	654.3	659.6	680.7	697.6	654.3	600.5	579.4	575.1
72.5°	594.1	595.2	586.8	575.1	570.9	556.1	541.4	509.7	477.0	454.8	456.9
75°	461.2	463.3	468.6	464.3	452.7	436.9	421.1	381.0	354.6	333.5	329.3
77.5°	269.1	279.7	296.5	292.3	294.4	272.3	265.9	226.9	202.6	187.8	184.7
80°	152.0	158.3	165.7	171.0	164.6	155.1	141.4	120.3	112.9	102.4	100.3
82.5°	91.8	98.1	101.3	105.5	103.4	90.8	80.2	66.5	60.2	54.9	53.8
85°	46.4	50.7	53.8	55.9	49.6	41.2	36.9	29.5	25.3	22.2	22.2
87.5°	11.6	12.7	14.8	12.7	11.6	5.3	4.2	1.1	0.0	0.0	0.0
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)