

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: P629968

Luminaire Tested: GWS-SA1C-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4267.9 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

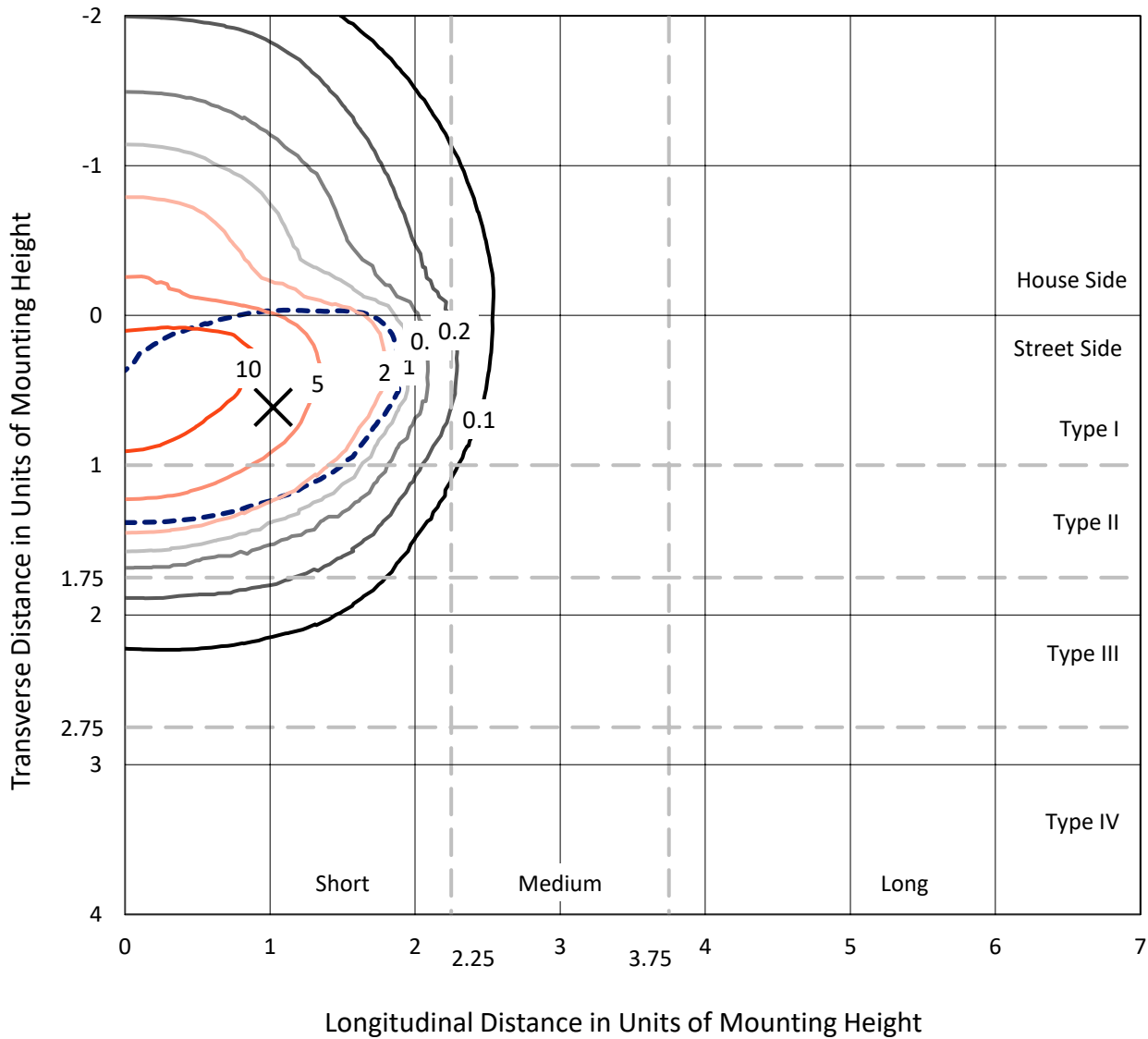
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629968
 CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

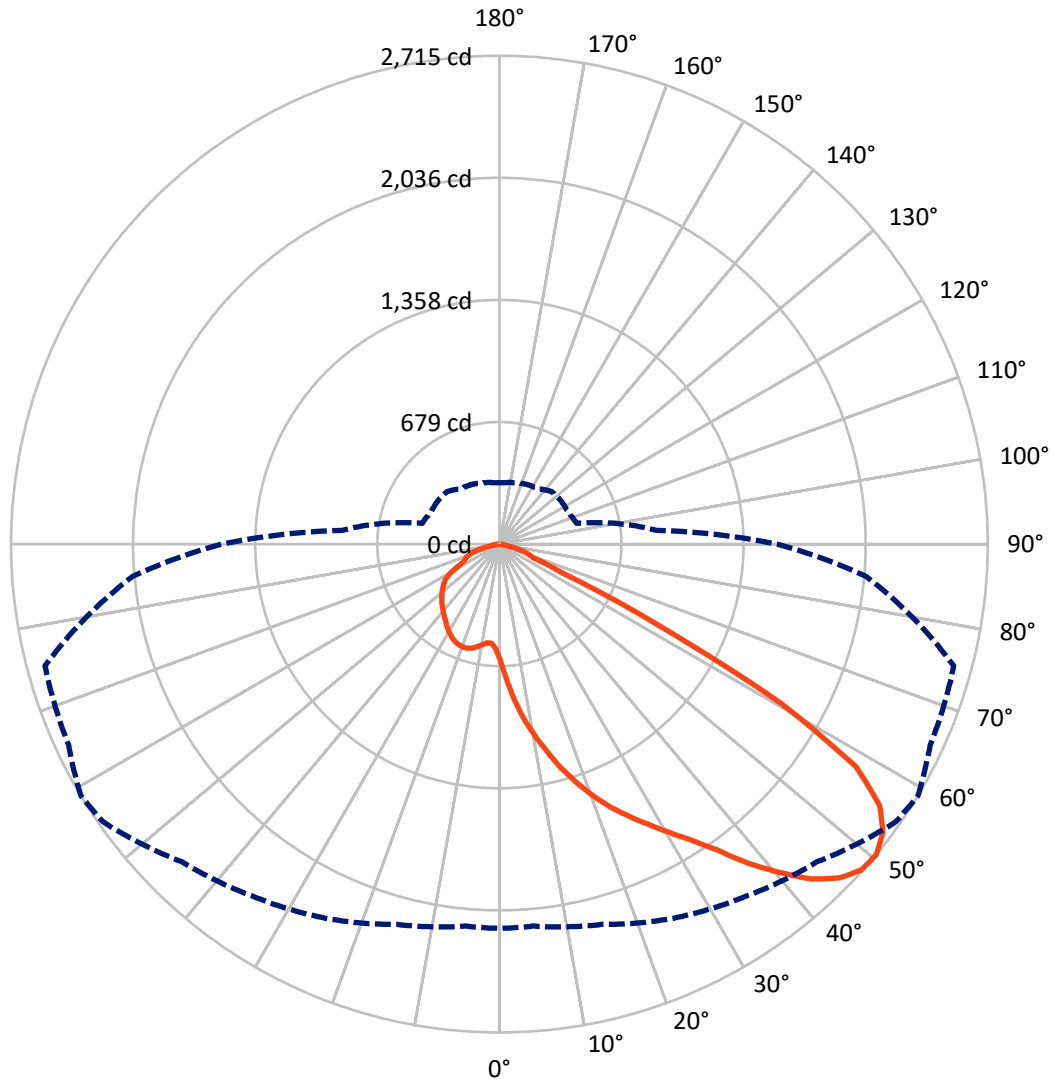
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Short - N/A

REPORT NUMBER: P629968
CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P629968

CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-GRSWH

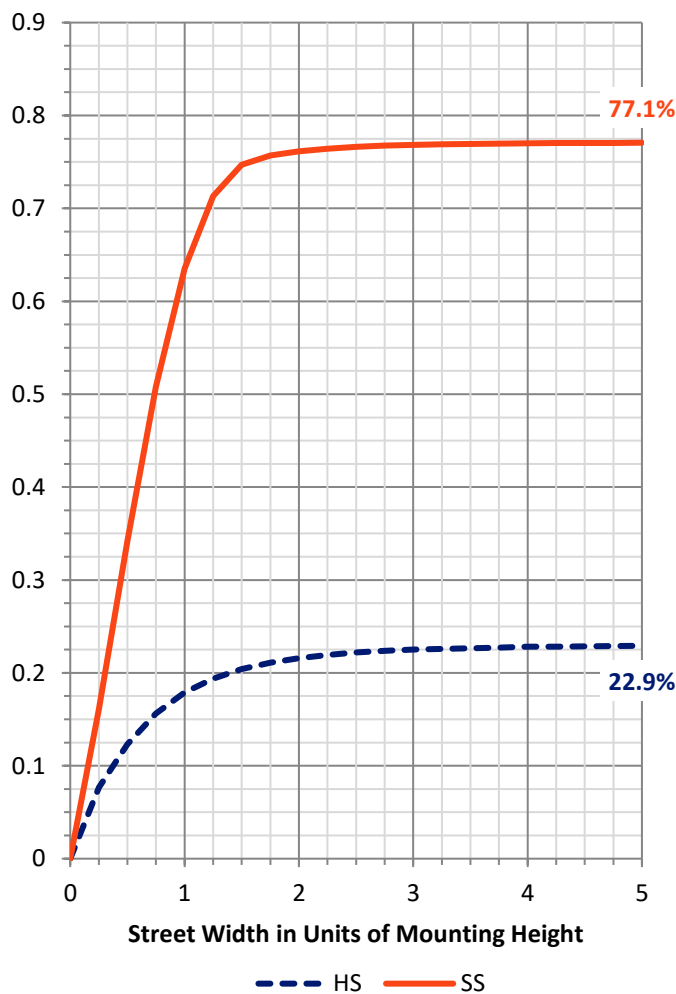
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	981.7	0.0	981.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3286.2	0.0	3286.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	4267.9	0.0	4267.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	1.7
10°-20°	263.3	6.2
20°-30°	498.6	11.7
30°-40°	826.9	19.4
40°-50°	1129.6	26.5
50°-60°	1025.4	24.0
60°-70°	341.5	8.0
70°-80°	99.6	2.3
80°-90°	10.5	0.2
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°	4267.9	100.0
0°-180°	4267.9	100.0

Coefficient of Utilization



REPORT NUMBER: P629968

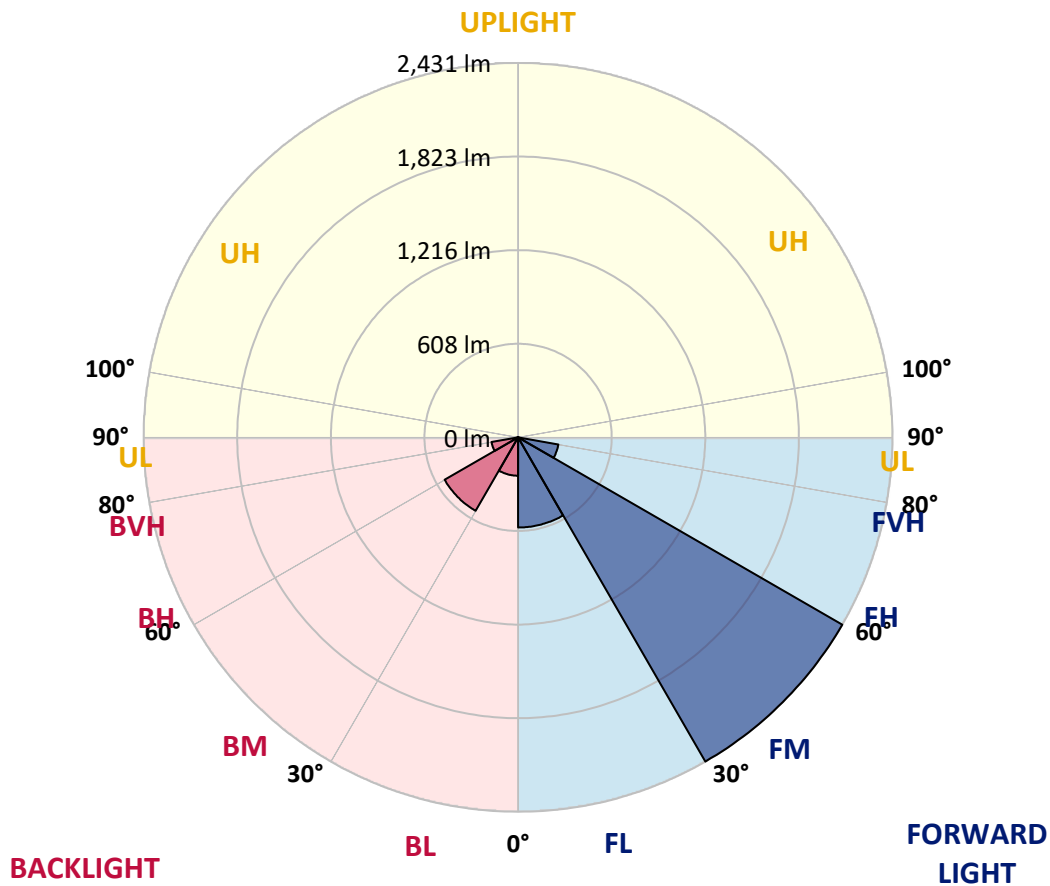
CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.2	13.7			
FM (30°-60°)	2431.1	57.0			
FH (60°-80°)	265.8	6.2			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	249.3	5.8	B1/500		
BM (30°-60°)	550.8	12.9	B1/1000		
BH (60°-80°)	175.2	4.1	B1/500		G1/500
BVH (80°-90°)	6.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P629968

CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6
2.5°	837.8	844.1	834.3	835.0	810.7	799.6	768.3	749.9	737.7	703.6	672.7
5°	1006.8	999.5	991.8	987.3	966.1	936.2	897.3	866.3	837.8	771.1	706.8
7.5°	1110.4	1106.5	1101.3	1098.6	1077.7	1046.4	1007.5	981.1	939.7	849.3	748.1
10°	1198.3	1193.8	1190.7	1192.8	1175.7	1155.6	1113.2	1082.9	1036.3	932.0	798.2
12.5°	1266.5	1268.9	1269.9	1281.1	1273.8	1261.6	1217.8	1185.8	1134.0	1019.3	856.9
15°	1320.4	1319.7	1331.8	1353.0	1364.8	1357.2	1322.1	1295.3	1232.0	1105.2	920.2
17.5°	1332.9	1333.6	1352.7	1389.9	1428.5	1447.2	1427.4	1395.4	1332.9	1190.0	985.9
20°	1342.9	1344.3	1364.2	1406.6	1462.9	1515.4	1518.5	1495.6	1441.7	1281.8	1052.7
22.5°	1406.6	1409.7	1414.9	1441.7	1492.4	1558.8	1595.3	1590.5	1545.3	1378.1	1124.6
25°	1573.8	1564.4	1539.0	1531.4	1550.8	1604.7	1667.0	1676.3	1654.1	1484.1	1202.2
27.5°	1780.3	1770.2	1732.7	1693.0	1651.0	1669.7	1736.1	1764.3	1764.6	1600.9	1280.0
30°	1967.7	1959.7	1929.1	1872.4	1799.8	1772.6	1821.7	1859.5	1882.1	1735.8	1368.7
32.5°	2127.9	2120.6	2079.3	2033.0	1962.1	1907.5	1925.3	1961.8	2014.6	1910.3	1478.9
35°	2262.8	2255.5	2215.9	2169.3	2103.6	2070.9	2064.7	2089.7	2158.2	2092.5	1605.4
37.5°	2372.3	2365.0	2323.6	2279.8	2229.8	2231.9	2241.3	2253.4	2292.7	2287.5	1740.7
40°	2443.2	2435.6	2406.0	2374.8	2343.1	2368.1	2414.7	2400.1	2421.0	2445.0	1865.1
42.5°	2474.9	2465.1	2448.1	2441.2	2431.4	2470.4	2560.0	2545.4	2520.4	2550.0	1957.6
45°	2443.2	2434.9	2434.5	2455.8	2478.4	2528.4	2660.5	2648.7	2585.4	2600.7	2012.9
47.5°	2346.2	2338.9	2358.8	2414.4	2470.0	2543.0	2705.4	2707.4	2631.7	2621.9	2048.7
50°	2136.6	2131.8	2189.1	2294.4	2390.4	2497.5	2691.1	2715.1	2642.8	2615.3	2044.1
52.5°	1710.4	1733.0	1857.8	2033.7	2220.1	2417.5	2638.3	2669.6	2589.2	2571.9	2019.8
55°	1170.9	1181.3	1306.1	1563.0	1858.5	2244.4	2516.9	2565.3	2526.0	2564.6	2045.2
57.5°	606.3	614.6	713.0	941.1	1260.6	1773.7	2180.1	2338.6	2398.4	2601.4	2124.1
60°	248.9	255.9	296.5	406.7	635.8	1032.8	1568.9	1803.9	1944.4	2375.8	1886.3
62.5°	180.8	184.3	203.7	242.7	333.0	506.2	887.9	974.4	1073.2	1489.0	1197.6
65°	152.3	156.1	171.7	195.4	243.0	310.4	379.3	381.4	420.3	606.6	443.9
67.5°	127.6	131.1	145.0	165.1	196.4	220.4	203.7	204.1	203.4	220.1	212.8
70°	99.4	102.2	116.1	137.7	154.0	141.5	159.2	176.3	169.0	175.6	185.6
72.5°	72.7	75.8	88.0	104.3	100.1	100.8	129.0	146.4	142.2	149.5	158.9
75°	52.5	54.6	60.8	52.1	54.9	66.4	90.7	100.1	104.3	110.6	118.9
77.5°	17.0	17.0	19.1	24.0	29.9	36.9	46.2	50.1	56.3	63.3	69.2
80°	8.7	9.0	10.8	13.2	16.7	21.2	27.1	28.9	32.0	35.8	38.2
82.5°	4.2	4.5	5.2	6.6	8.7	11.1	14.9	16.7	18.8	21.2	22.9
85°	1.0	1.0	1.4	2.1	2.8	4.2	5.6	6.6	8.3	10.1	11.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.4	1.7	2.1	2.8
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: P629968

CATALOG NUMBER: GWS-SA1C-760-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6
2.5°	658.8	639.3	614.3	593.1	573.6	558.7	545.8	539.5	533.6	529.5	530.9
5°	676.9	643.5	596.9	564.6	544.8	534.7	527.7	524.2	523.6	520.8	519.7
7.5°	703.3	655.7	593.4	560.7	547.5	542.3	538.5	536.4	537.5	534.7	533.6
10°	736.0	675.8	602.1	573.3	561.8	558.0	553.8	551.0	549.6	545.5	544.8
12.5°	776.6	700.8	617.8	589.3	577.8	571.2	565.6	560.7	557.6	552.4	551.0
15°	820.4	728.7	636.2	604.9	591.3	581.6	572.6	565.3	559.7	552.8	551.7
17.5°	868.1	757.9	651.5	615.7	598.3	585.4	572.2	561.4	553.8	544.8	543.7
20°	917.8	787.4	663.0	620.9	598.6	581.3	563.5	549.3	539.5	530.5	529.8
22.5°	969.2	814.5	669.9	619.5	593.1	571.5	550.3	534.3	522.9	512.1	511.4
25°	1021.0	840.6	671.6	613.9	582.0	556.9	535.7	516.9	504.1	491.9	490.5
27.5°	1073.5	862.5	667.5	602.8	567.0	539.9	518.7	500.3	487.0	474.9	472.8
30°	1129.5	881.3	658.4	588.2	549.6	521.8	501.0	487.0	474.5	462.4	460.3
32.5°	1189.3	897.6	645.6	570.5	529.5	503.7	488.4	475.9	463.4	452.6	450.5
35°	1260.6	908.4	626.5	547.5	510.7	490.5	480.1	465.5	450.2	438.4	437.3
37.5°	1334.3	916.7	603.5	525.6	494.3	482.9	474.2	454.4	435.2	421.0	419.3
40°	1405.5	923.7	575.0	505.1	479.4	477.3	465.5	440.8	407.8	391.8	390.4
42.5°	1471.9	925.8	545.1	483.2	465.8	464.8	451.6	413.3	388.0	377.9	376.5
45°	1517.5	924.0	514.2	462.7	452.3	446.7	432.8	393.5	377.9	368.8	367.1
47.5°	1551.2	915.0	479.4	441.2	437.0	429.3	399.4	381.0	366.4	357.4	355.6
50°	1545.3	877.5	444.3	420.3	418.6	412.0	375.1	365.4	352.5	342.8	341.4
52.5°	1514.7	806.2	408.5	397.4	400.8	388.0	357.7	346.6	335.5	324.4	321.9
55°	1522.3	754.7	381.4	375.1	381.4	352.2	338.3	326.4	316.0	305.2	303.1
57.5°	1555.7	704.0	352.5	351.1	357.7	324.7	313.2	298.3	283.3	274.6	274.6
60°	1306.4	513.1	301.8	305.2	320.2	302.4	292.4	277.1	260.7	253.1	253.1
62.5°	772.5	321.9	250.3	246.5	255.9	267.0	272.6	260.0	240.6	230.5	230.8
65°	340.3	234.3	220.8	217.6	214.8	222.5	237.8	238.8	218.3	206.5	206.8
67.5°	209.6	212.1	206.5	204.1	201.6	200.2	198.9	199.5	194.0	183.2	182.9
70°	189.1	195.7	191.9	189.8	186.7	184.3	175.9	162.3	153.0	150.2	153.3
72.5°	162.7	171.7	169.7	168.6	164.8	158.9	147.7	134.5	123.4	116.5	117.9
75°	122.7	130.0	131.1	131.4	127.2	121.7	110.2	99.1	89.3	82.0	83.8
77.5°	70.6	74.7	75.8	76.8	73.7	71.6	64.0	56.0	50.8	43.1	45.2
80°	39.3	41.0	41.0	41.4	39.6	37.2	32.0	27.5	25.0	21.6	21.9
82.5°	23.6	24.3	24.7	25.0	24.0	21.6	17.7	14.6	13.2	11.5	11.1
85°	11.5	12.2	12.2	12.5	10.8	9.4	7.3	5.6	4.9	3.5	3.8
87.5°	2.8	3.1	3.1	2.8	2.4	1.7	1.0	0.3	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)