

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: P632441

Luminaire Tested: GWS-SA2C-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9264.3 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

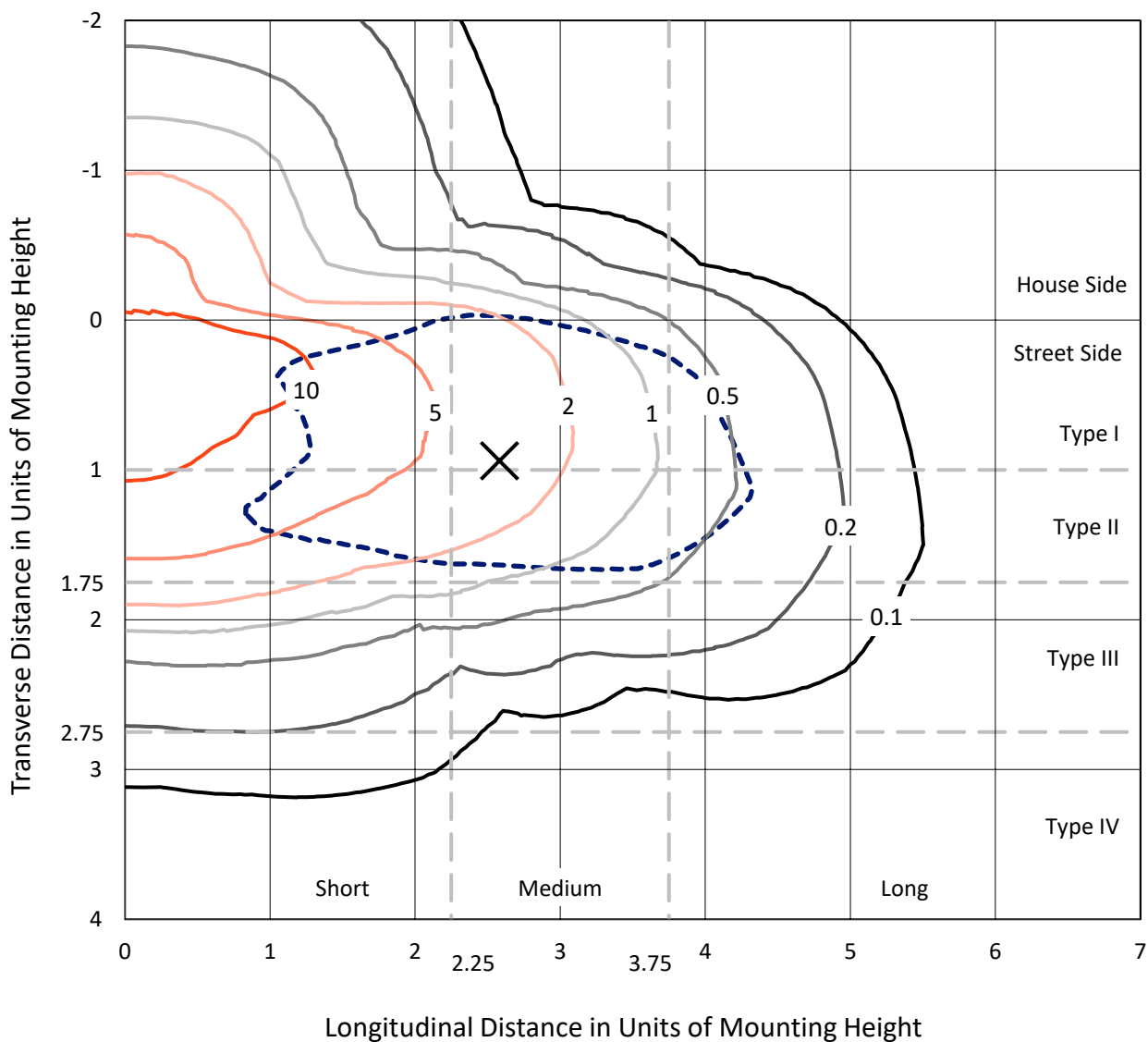
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632441
 CATALOG NUMBER: GWS-SA2C-760-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

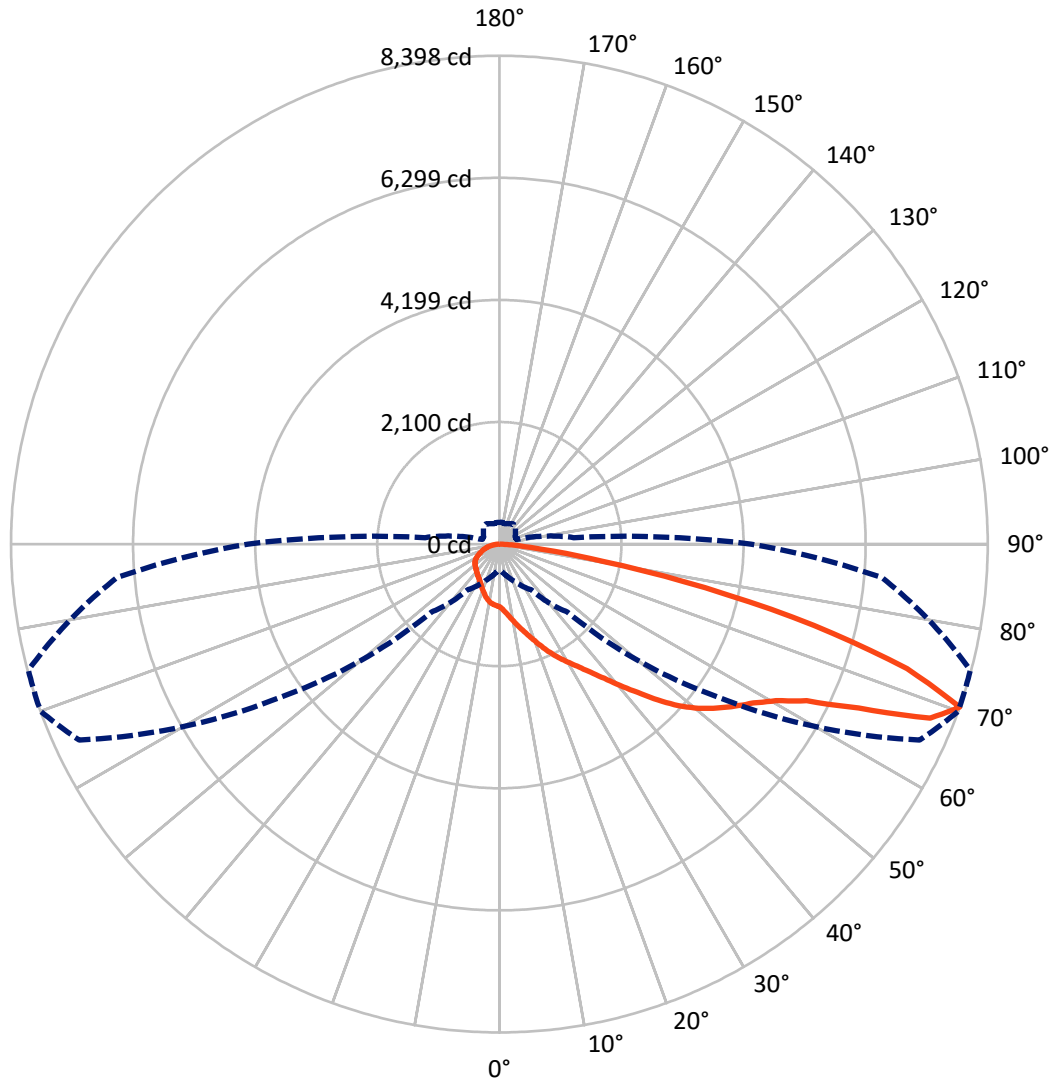
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P632441
CATALOG NUMBER: GWS-SA2C-760-U-T2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P632441

CATALOG NUMBER: GWS-SA2C-760-U-T2-W

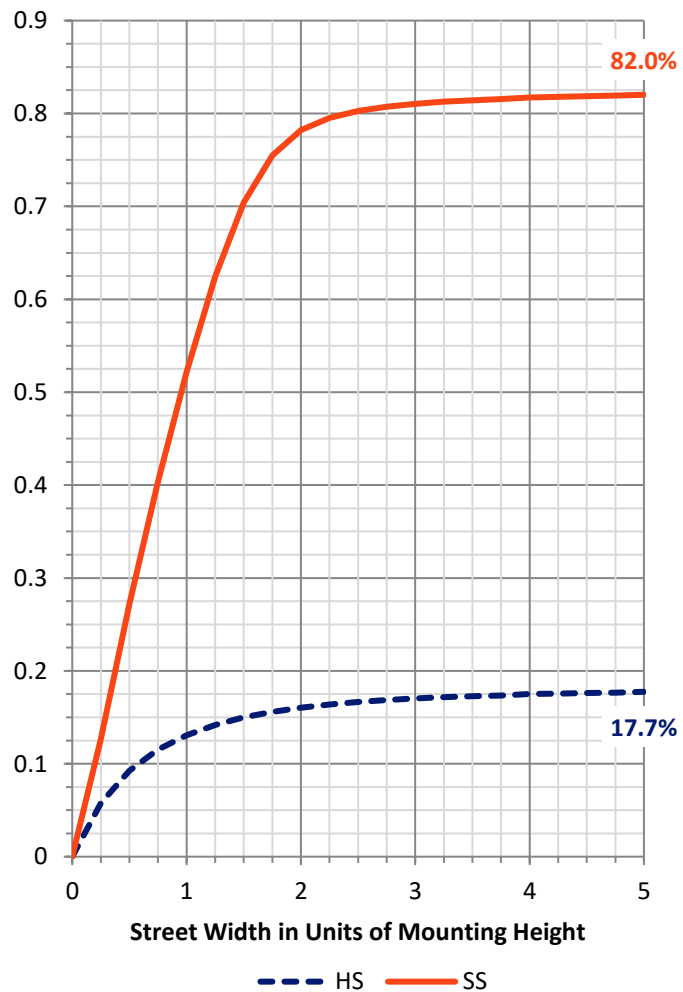
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1660.2	0.0	1660.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	7604.1	0.0	7604.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	9264.3	0.0	9264.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	1.2
10°-20°	357.2	3.9
20°-30°	632.8	6.8
30°-40°	952.4	10.3
40°-50°	1440.9	15.6
50°-60°	2064.1	22.3
60°-70°	2281.7	24.6
70°-80°	1287.6	13.9
80°-90°	137.7	1.5
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°	9264.3	100.0
0°-180°	9264.3	100.0

Coefficient of Utilization



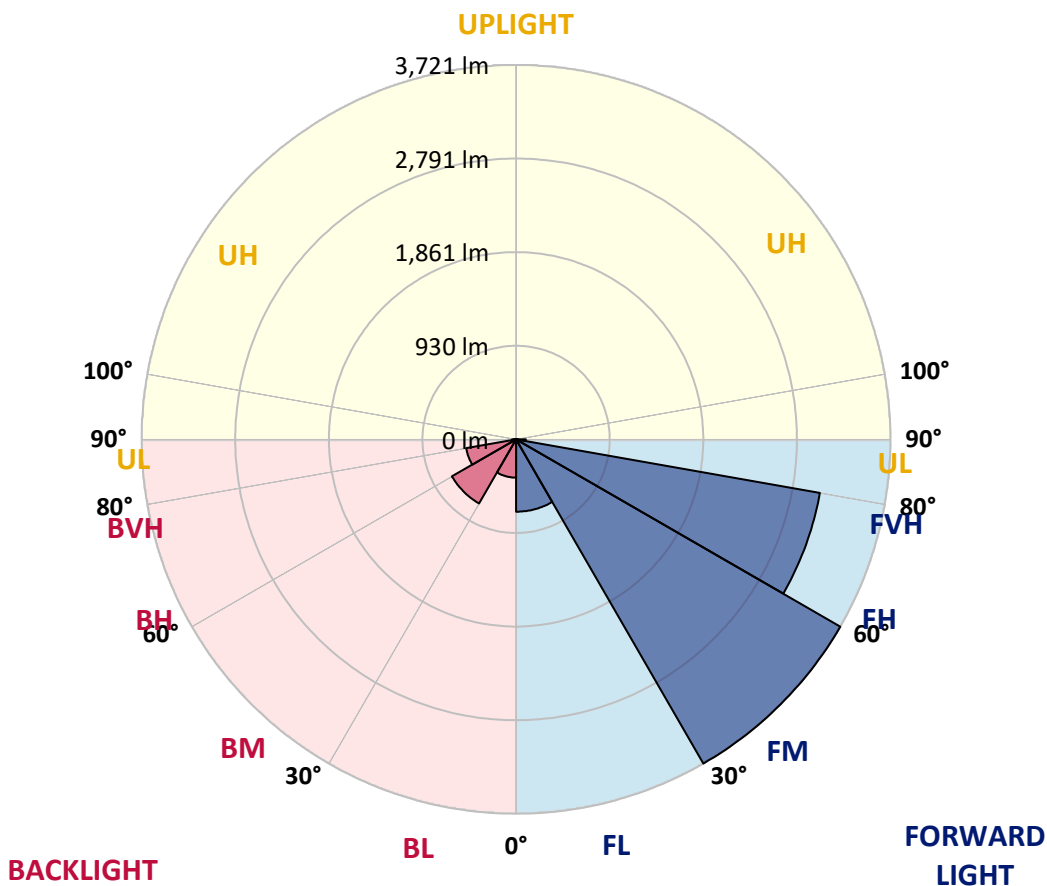
REPORT NUMBER: P632441

CATALOG NUMBER: GWS-SA2C-760-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	719.2	7.8			
FM (30°-60°)	3721.5	40.2			
FH (60°-80°)	3066.1	33.1			G2/5000
FVH (80°-90°)	97.4	1.1			G1/100
BL (0°-30°)	380.7	4.1	B1/500		
BM (30°-60°)	736.0	7.9	B1/1000		
BH (60°-80°)	503.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	40.4	0.4			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 Medium





REPORT NUMBER: P632441
 CATALOG NUMBER: GWS-SA2C-760-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4
2.5°	1196.9	1194.9	1196.2	1194.9	1187.5	1169.4	1154.7	1136.0	1123.3	1115.9	1098.5
5°	1337.5	1335.5	1330.8	1324.1	1310.7	1285.9	1249.1	1208.3	1183.5	1164.8	1127.9
7.5°	1438.5	1438.5	1437.9	1429.8	1420.5	1394.4	1350.8	1297.3	1261.1	1229.0	1168.8
10°	1490.1	1493.4	1498.1	1509.5	1507.5	1493.4	1452.6	1395.0	1349.5	1312.0	1222.3
12.5°	1518.2	1520.2	1528.2	1551.7	1575.8	1579.1	1555.0	1494.8	1445.2	1395.0	1281.9
15°	1554.3	1555.0	1565.7	1593.8	1629.3	1664.8	1658.8	1598.5	1547.6	1492.1	1348.2
17.5°	1582.5	1587.1	1606.6	1639.4	1683.5	1732.4	1761.9	1724.4	1661.4	1597.9	1420.5
20°	1592.5	1595.8	1621.3	1671.5	1731.7	1800.7	1866.3	1856.2	1792.6	1717.7	1502.1
22.5°	1628.6	1628.6	1647.4	1689.6	1760.5	1860.9	1967.4	1993.5	1937.2	1849.5	1589.8
25°	1708.3	1705.6	1714.3	1731.7	1785.3	1909.1	2067.1	2145.4	2082.5	1984.1	1677.5
27.5°	1817.4	1816.1	1815.4	1818.1	1836.2	1951.3	2151.4	2287.3	2224.4	2113.3	1755.8
30°	1935.9	1931.9	1940.6	1932.6	1928.5	2001.5	2223.1	2414.5	2365.7	2241.1	1820.8
32.5°	2097.2	2089.9	2087.9	2061.7	2045.7	2079.8	2280.6	2559.1	2520.3	2379.0	1893.7
35°	2310.1	2303.4	2269.3	2227.8	2180.2	2196.3	2352.3	2700.4	2703.0	2551.7	1989.5
37.5°	2525.0	2526.3	2499.5	2401.8	2352.9	2343.6	2461.4	2872.4	2930.0	2757.9	2113.3
40°	2703.7	2711.7	2711.7	2608.6	2535.7	2527.0	2614.7	3076.6	3191.0	3011.0	2269.9
42.5°	2839.6	2847.0	2870.4	2796.1	2719.1	2749.2	2800.8	3281.4	3486.9	3323.6	2468.1
45°	2988.9	2994.9	3007.6	2964.8	2919.9	3000.2	3011.6	3526.4	3825.6	3674.3	2698.3
47.5°	3187.0	3181.7	3183.0	3151.5	3116.7	3246.6	3243.9	3732.6	4152.9	4058.6	2948.0
50°	3433.3	3443.4	3434.0	3371.8	3330.9	3449.4	3464.8	3960.8	4440.8	4438.8	3199.7
52.5°	3670.3	3674.3	3723.9	3726.5	3642.9	3618.1	3658.3	4191.1	4683.8	4786.9	3441.4
55°	3682.4	3697.8	3846.4	3953.5	4088.7	3889.9	3853.7	4410.7	4918.7	5127.6	3692.4
57.5°	3426.0	3450.7	3703.1	3934.1	4310.3	4356.4	4188.4	4694.5	5153.7	5463.0	3982.9
60°	2878.4	2930.0	3272.7	3626.1	4210.5	4691.8	4873.2	5080.1	5462.3	5805.7	4335.7
62.5°	1838.2	1858.3	2338.9	2930.6	3761.4	4659.0	5618.9	5759.5	5932.2	6252.2	4879.2
65°	920.4	984.7	1266.5	1749.1	2712.4	4105.4	5995.8	7003.9	6792.4	7016.6	5760.2
67.5°	624.5	645.3	787.9	1051.0	1590.5	2908.5	5762.2	8052.2	7989.9	8026.8	6699.3
70°	460.5	473.9	586.4	744.4	961.9	1651.4	4587.4	7973.2	8398.3	8384.9	6600.9
72.5°	336.0	342.7	427.7	568.3	712.9	854.2	2801.4	6441.0	7331.3	7717.5	5772.9
75°	244.3	252.4	297.2	425.1	554.3	532.8	1383.0	4652.3	5590.8	6333.8	4703.2
77.5°	182.1	192.1	212.9	266.4	388.3	381.6	597.8	3021.0	3616.1	4136.9	2857.0
80°	131.2	133.2	145.3	170.7	246.3	223.6	284.5	1575.1	1806.0	1978.7	1119.9
82.5°	79.7	81.7	97.1	105.1	152.6	140.6	147.9	510.1	731.0	775.8	418.4
85°	23.4	24.8	44.2	48.2	63.6	60.2	59.6	207.5	247.7	316.6	164.7
87.5°	0.0	0.0	0.0	0.0	0.7	4.0	7.4	36.8	55.6	77.0	40.2
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: P632441
 CATALOG NUMBER: GWS-SA2C-760-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4	1080.4
2.5°	1091.8	1076.4	1068.4	1054.3	1044.3	1034.2	1024.2	1014.8	1010.8	1004.8	1006.1
5°	1111.2	1087.1	1063.0	1035.6	1012.1	992.7	975.3	959.9	953.2	947.2	949.9
7.5°	1140.7	1104.5	1058.3	1008.1	971.3	944.5	926.4	915.7	912.4	907.7	907.7
10°	1178.1	1123.9	1042.9	971.3	927.1	905.7	897.7	897.0	900.3	901.0	899.7
12.5°	1219.6	1142.7	1020.2	927.8	890.3	883.6	889.6	901.0	912.4	918.4	917.1
15°	1262.5	1154.7	981.3	886.3	863.5	872.2	891.6	914.4	936.5	947.9	947.2
17.5°	1302.6	1157.4	931.1	846.1	840.1	862.2	895.7	931.1	961.3	977.3	978.0
20°	1347.5	1152.7	879.6	810.0	816.7	852.8	897.0	939.8	975.3	991.4	995.4
22.5°	1388.3	1136.6	829.4	775.8	796.6	841.4	886.3	926.4	957.9	973.3	978.7
25°	1425.1	1105.8	774.5	747.0	781.2	825.4	859.5	887.6	909.7	919.1	926.4
27.5°	1445.2	1059.7	733.0	724.3	766.5	802.6	821.4	830.1	837.4	834.7	840.1
30°	1449.2	1002.1	696.8	706.2	744.4	771.1	775.2	766.5	753.7	733.0	737.7
32.5°	1445.2	935.8	666.7	686.8	719.6	735.7	730.3	707.6	676.8	644.6	646.6
35°	1446.6	868.9	642.0	665.4	690.8	699.5	686.1	654.7	621.9	592.4	591.1
37.5°	1461.3	812.6	621.2	644.6	662.7	664.0	649.3	616.5	599.8	577.7	575.0
40°	1502.1	771.1	602.5	623.9	635.3	634.6	617.9	594.4	605.8	598.4	596.4
42.5°	1569.1	745.7	587.1	601.8	609.8	611.2	597.8	583.0	607.8	598.4	595.1
45°	1676.8	744.4	576.4	579.7	592.4	601.8	592.4	575.7	585.1	539.5	530.8
47.5°	1804.7	767.1	568.3	560.3	582.4	599.1	584.4	557.6	538.2	496.7	490.7
50°	1958.7	813.3	561.0	539.5	567.6	589.1	574.3	537.5	508.1	486.0	482.6
52.5°	2141.4	874.2	551.6	516.1	545.6	583.7	574.3	535.5	496.7	476.6	473.3
55°	2332.9	944.5	540.9	488.0	520.8	585.1	579.0	521.5	488.0	477.3	474.6
57.5°	2570.5	1028.9	521.5	455.2	498.7	573.0	560.3	513.4	482.0	473.3	470.6
60°	2879.1	1154.0	484.6	421.7	473.3	551.6	543.6	500.0	465.9	458.5	456.5
62.5°	3367.7	1366.2	439.8	389.6	443.1	506.7	518.8	474.6	445.8	445.2	444.5
65°	4164.3	1621.3	386.9	360.8	411.7	469.9	486.0	448.5	425.1	432.4	431.8
67.5°	4722.6	1643.4	343.4	330.7	374.9	429.8	453.2	421.7	396.3	410.3	409.7
70°	4325.7	1281.9	305.9	299.2	335.4	386.2	417.7	388.3	362.8	376.2	373.5
72.5°	3648.2	982.7	270.4	266.4	295.2	340.7	372.2	354.8	328.0	328.0	322.0
75°	2932.0	810.6	233.0	230.9	250.4	294.5	330.0	300.6	275.8	274.5	270.4
77.5°	1681.5	531.5	195.5	194.1	200.2	246.3	256.4	250.4	231.6	222.9	220.2
80°	670.1	276.5	154.0	145.3	151.3	180.7	202.2	192.1	176.1	165.3	159.3
82.5°	259.7	138.6	108.4	95.1	103.8	130.5	146.6	143.3	132.5	108.4	101.7
85°	105.8	67.6	64.9	54.9	60.2	70.3	84.3	73.0	60.2	42.8	40.8
87.5°	28.1	24.8	24.1	14.7	11.4	3.3	0.7	0.0	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)