

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: P634753

Luminaire Tested: GWS-SA3C-735-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634753
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-SA3C-735-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12108.7 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

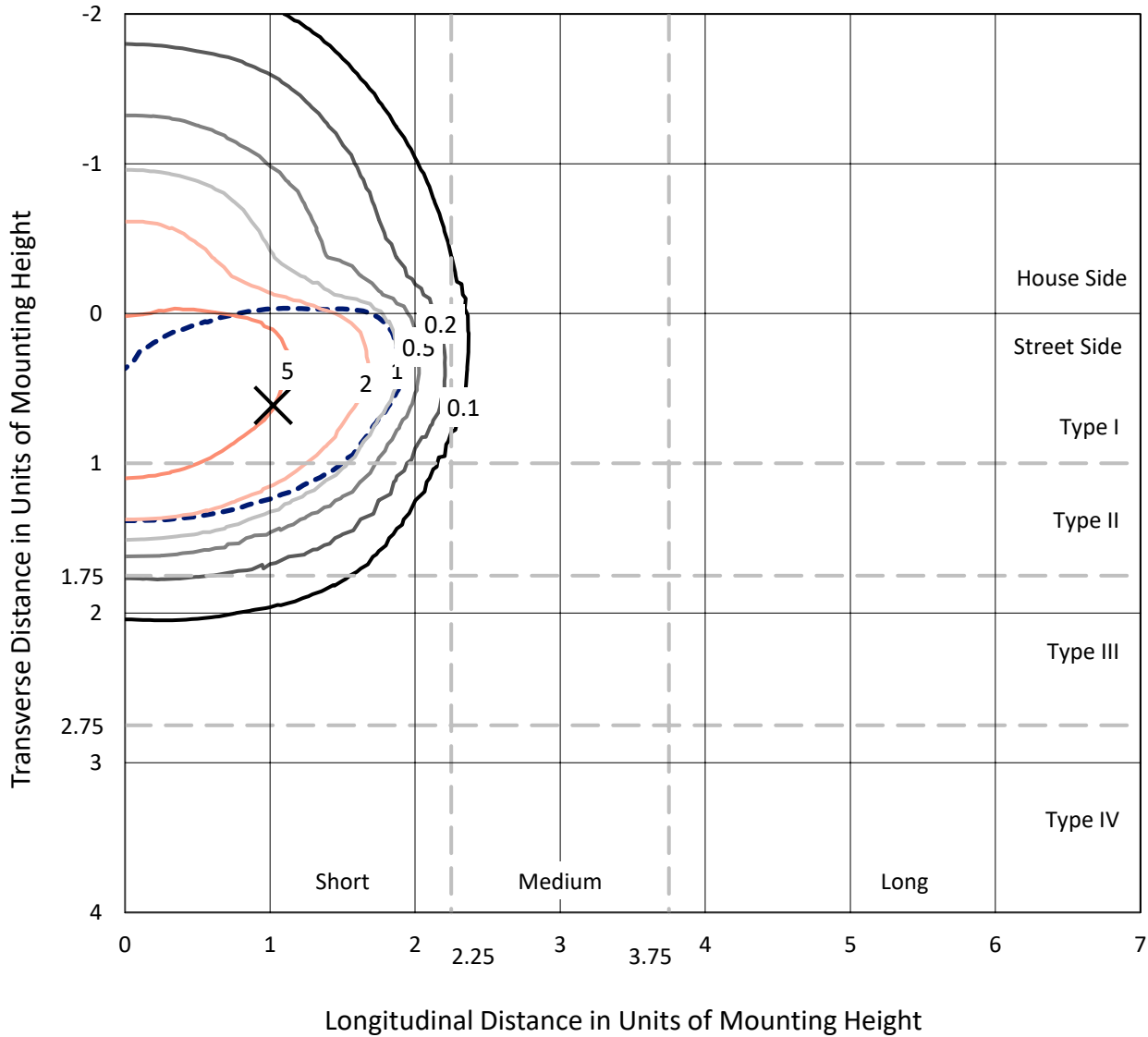
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634753
 CATALOG NUMBER: GWS-SA3C-735-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

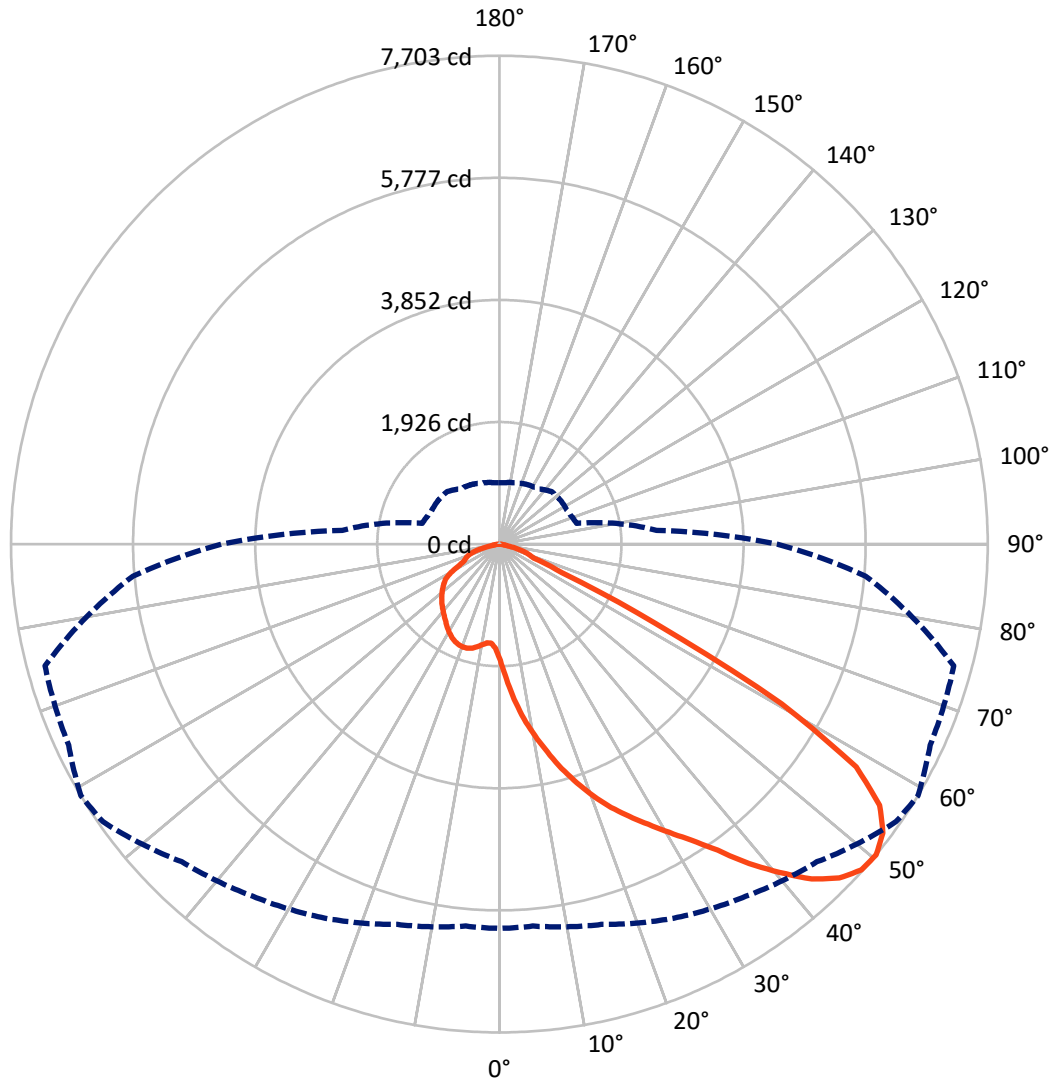
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - N/A

REPORT NUMBER: P634753
CATALOG NUMBER: GWS-SA3C-735-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634753

CATALOG NUMBER: GWS-SA3C-735-U-T2R-W-GRSWH

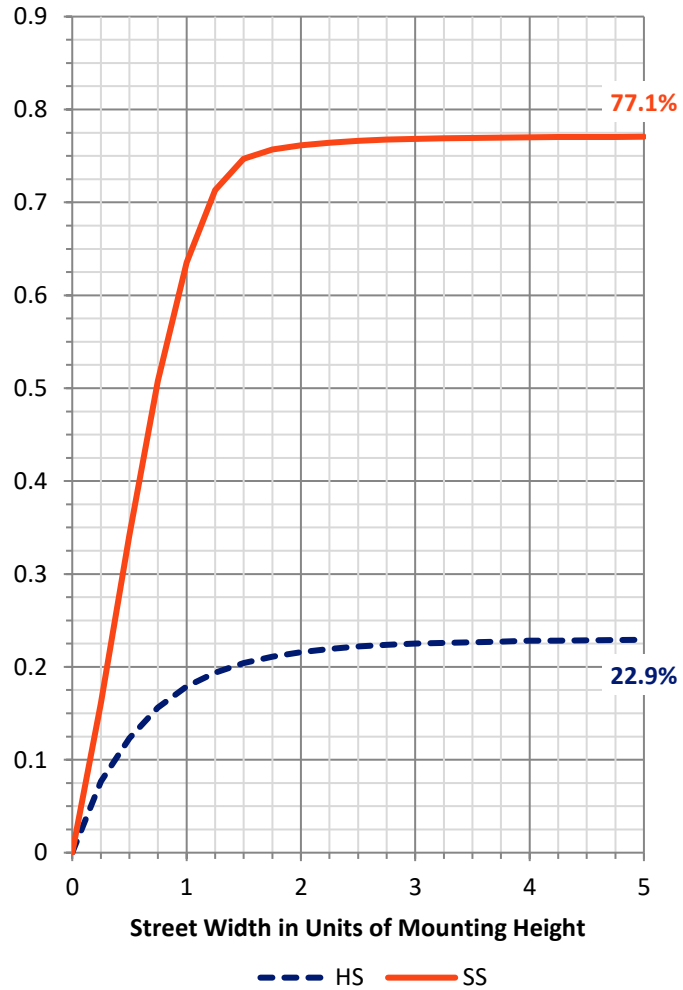
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2785.2	0.0	2785.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	9323.5	0.0	9323.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	12108.7	0.0	12108.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.8	1.7
10°-20°	747.1	6.2
20°-30°	1414.7	11.7
30°-40°	2346.1	19.4
40°-50°	3204.8	26.5
50°-60°	2909.2	24.0
60°-70°	968.8	8.0
70°-80°	282.6	2.3
80°-90°	29.7	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°	12108.7	100.0
0°-180°	12108.7	100.0

Coefficient of Utilization



REPORT NUMBER: P634753

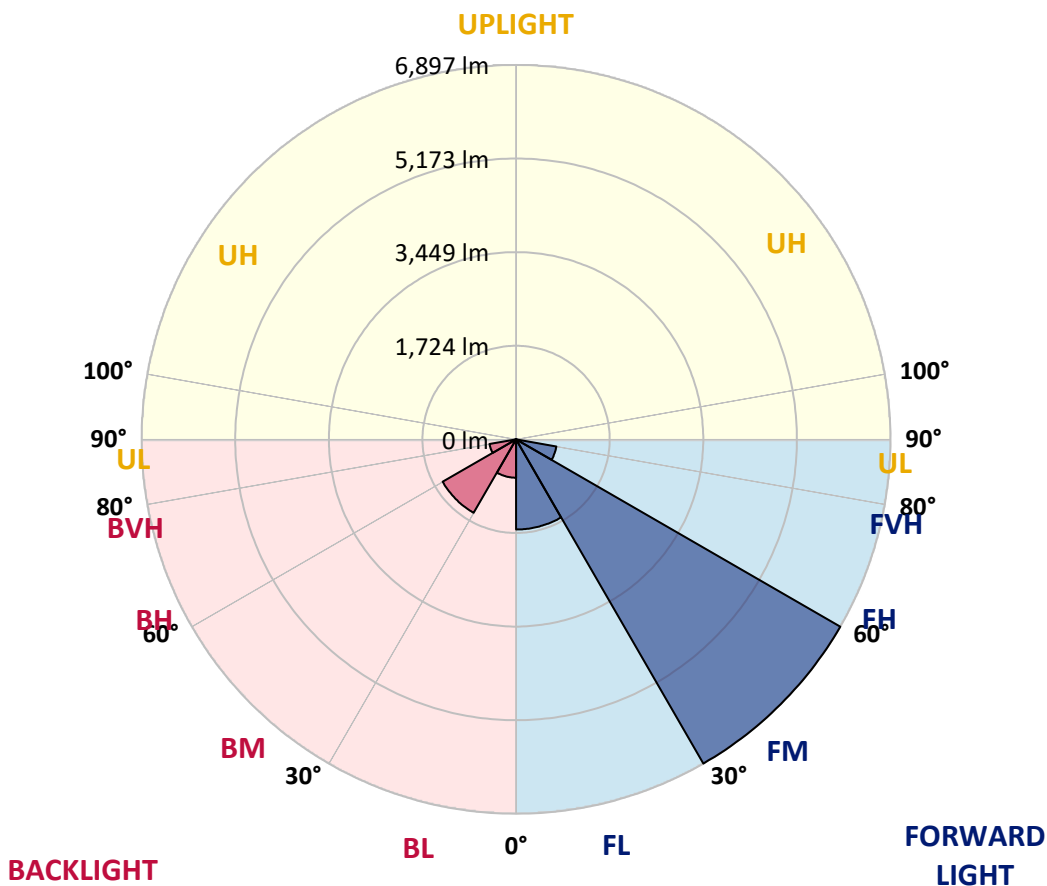
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1660.4	13.7			
FM (30°-60°)	6897.3	57.0			
FH (60°-80°)	754.2	6.2			G1/1800
FVH (80°-90°)	11.6	0.1			G1/100
BL (0°-30°)	707.2	5.8	B2/1000		
BM (30°-60°)	1562.8	12.9	B2/2500		
BH (60°-80°)	497.1	4.1	B1/500		G1/500
BVH (80°-90°)	18.1	0.1			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





REPORT NUMBER: P634753

CATALOG NUMBER: GWS-SA3C-735-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6
2.5°	2377.0	2394.8	2367.2	2369.1	2300.1	2268.5	2179.8	2127.5	2093.0	1996.3	1908.5
5°	2856.4	2835.7	2814.0	2801.1	2741.0	2656.2	2545.7	2457.9	2377.0	2187.7	2005.2
7.5°	3150.3	3139.5	3124.7	3116.8	3057.6	2968.8	2858.4	2783.4	2666.0	2409.6	2122.6
10°	3399.8	3387.0	3378.1	3384.1	3335.7	3278.5	3158.2	3072.4	2940.2	2644.3	2264.6
12.5°	3593.2	3600.1	3603.0	3634.6	3613.9	3579.4	3455.1	3364.3	3217.4	2891.9	2431.3
15°	3746.0	3744.1	3778.6	3838.8	3872.3	3850.6	3751.0	3675.0	3495.5	3135.5	2610.8
17.5°	3781.5	3783.5	3837.8	3943.3	4052.8	4106.0	4049.8	3959.1	3781.5	3376.2	2797.2
20°	3810.2	3814.1	3870.3	3990.6	4150.4	4299.4	4308.2	4243.1	4090.3	3636.6	2986.6
22.5°	3990.6	3999.5	4014.3	4090.3	4234.3	4422.7	4526.2	4512.4	4384.2	3909.8	3190.7
25°	4465.1	4438.4	4366.4	4344.7	4400.0	4552.8	4729.4	4756.0	4692.9	4210.6	3410.7
27.5°	5050.9	5022.3	4915.8	4803.4	4684.0	4737.3	4925.7	5005.6	5006.6	4542.0	3631.6
30°	5582.6	5559.9	5473.1	5312.3	5106.2	5029.2	5168.3	5275.8	5339.9	4924.7	3883.1
32.5°	6037.3	6016.5	5899.2	5768.0	5566.8	5411.9	5462.2	5565.8	5715.7	5419.8	4195.8
35°	6420.0	6399.2	6286.8	6154.6	5968.2	5875.5	5857.7	5928.8	6123.1	5936.7	4554.8
37.5°	6730.6	6709.9	6592.6	6468.3	6326.3	6332.2	6358.8	6393.3	6504.8	6490.0	4938.5
40°	6931.9	6910.2	6826.3	6737.5	6647.8	6718.8	6851.0	6809.5	6868.7	6936.8	5291.6
42.5°	7021.6	6994.0	6945.7	6925.9	6898.3	7008.8	7263.3	7221.8	7150.8	7234.7	5554.0
45°	6931.9	6908.2	6907.2	6967.4	7031.5	7173.5	7548.3	7514.8	7335.3	7378.7	5710.8
47.5°	6656.7	6636.0	6692.2	6850.0	7007.8	7214.9	7675.5	7681.5	7466.4	7438.8	5812.4
50°	6061.9	6048.1	6210.9	6509.7	6781.9	7085.7	7635.1	7703.2	7498.0	7420.1	5799.6
52.5°	4852.7	4916.8	5270.9	5770.0	6298.6	6858.9	7485.2	7573.9	7346.1	7296.8	5730.5
55°	3321.9	3351.5	3705.6	4434.5	5272.9	6367.7	7141.0	7278.0	7166.6	7276.1	5802.5
57.5°	1720.1	1743.8	2022.9	2670.0	3576.4	5032.2	6185.2	6635.0	6804.6	7380.6	6026.4
60°	706.2	725.9	841.3	1154.0	1804.0	2930.4	4451.3	5118.0	5516.5	6740.5	5351.8
62.5°	512.9	522.7	578.0	688.5	944.9	1436.1	2519.1	2764.7	3044.8	4224.4	3397.9
65°	432.0	442.9	487.2	554.3	689.4	880.8	1076.1	1082.0	1192.5	1721.1	1259.5
67.5°	362.0	371.8	411.3	468.5	557.3	625.3	578.0	579.0	577.0	624.3	603.6
70°	282.1	290.0	329.4	390.6	436.9	401.4	451.7	500.1	479.4	498.1	526.7
72.5°	206.1	215.0	249.5	295.9	284.1	286.0	365.9	415.2	403.4	424.1	450.7
75°	148.9	154.9	172.6	147.9	155.8	188.4	257.4	284.1	295.9	313.6	337.3
77.5°	48.3	48.3	54.2	68.1	84.8	104.5	131.2	142.0	159.8	179.5	196.3
80°	24.7	25.6	30.6	37.5	47.3	60.2	76.9	81.9	90.7	101.6	108.5
82.5°	11.8	12.8	14.8	18.7	24.7	31.6	42.4	47.3	53.3	60.2	65.1
85°	3.0	3.0	3.9	5.9	7.9	11.8	15.8	18.7	23.7	28.6	31.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	3.0	3.9	4.9	5.9	7.9
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: P634753

CATALOG NUMBER: GWS-SA3C-735-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6	1834.6
2.5°	1869.1	1813.8	1742.8	1682.7	1627.4	1585.0	1548.5	1530.8	1514.0	1502.2	1506.1
5°	1920.4	1825.7	1693.5	1601.8	1545.6	1517.0	1497.2	1487.4	1485.4	1477.5	1474.5
7.5°	1995.3	1860.2	1683.6	1590.9	1553.5	1538.7	1527.8	1521.9	1524.8	1517.0	1514.0
10°	2088.0	1917.4	1708.3	1626.4	1593.9	1583.0	1571.2	1563.3	1559.4	1547.5	1545.6
12.5°	2203.4	1988.4	1752.7	1671.8	1639.3	1620.5	1604.7	1590.9	1582.1	1567.3	1563.3
15°	2327.7	2067.3	1805.0	1716.2	1677.7	1650.1	1624.5	1603.8	1588.0	1568.2	1565.3
17.5°	2462.8	2150.2	1848.4	1746.8	1697.5	1661.0	1623.5	1592.9	1571.2	1545.6	1542.6
20°	2603.9	2234.0	1880.9	1761.6	1698.4	1649.1	1598.8	1558.4	1530.8	1505.1	1503.2
22.5°	2749.9	2310.9	1900.6	1757.6	1682.7	1621.5	1561.3	1516.0	1483.4	1452.8	1450.9
25°	2896.8	2384.9	1905.6	1741.8	1651.1	1580.1	1519.9	1466.7	1430.2	1395.6	1391.7
27.5°	3045.8	2447.1	1893.7	1710.3	1608.7	1531.8	1471.6	1419.3	1381.8	1347.3	1341.4
30°	3204.6	2500.3	1868.1	1668.9	1559.4	1480.5	1421.3	1381.8	1346.3	1311.8	1305.9
32.5°	3374.2	2546.7	1831.6	1618.5	1502.2	1429.2	1385.8	1350.3	1314.8	1284.2	1278.3
35°	3576.4	2577.3	1777.3	1553.5	1448.9	1391.7	1362.1	1320.7	1277.3	1243.7	1240.8
37.5°	3785.5	2600.9	1712.3	1491.3	1402.5	1370.0	1345.3	1289.1	1234.9	1194.4	1189.5
40°	3987.7	2620.7	1631.4	1433.1	1360.1	1354.2	1320.7	1250.7	1157.0	1111.6	1107.6
42.5°	4176.1	2626.6	1546.5	1371.0	1321.7	1318.7	1281.2	1172.7	1100.7	1072.1	1068.2
45°	4305.3	2621.6	1458.8	1312.8	1283.2	1267.4	1228.0	1116.5	1072.1	1046.5	1041.6
47.5°	4401.0	2596.0	1360.1	1251.6	1239.8	1218.1	1133.3	1081.0	1039.6	1013.9	1009.0
50°	4384.2	2489.5	1260.5	1192.5	1187.5	1168.8	1064.2	1036.6	1000.1	972.5	968.6
52.5°	4297.4	2287.3	1158.9	1127.4	1137.2	1100.7	1014.9	983.4	951.8	920.2	913.3
55°	4319.1	2141.3	1082.0	1064.2	1082.0	999.1	959.7	926.2	896.6	866.0	860.1
57.5°	4413.8	1997.3	1000.1	996.2	1014.9	921.2	888.7	846.3	803.9	779.2	779.2
60°	3706.6	1455.8	856.1	866.0	908.4	858.1	829.5	786.1	739.7	718.0	718.0
62.5°	2191.6	913.3	710.1	699.3	725.9	757.5	773.3	737.8	682.5	653.9	654.9
65°	965.6	664.8	626.3	617.4	609.5	631.2	674.6	677.6	619.4	585.9	586.9
67.5°	594.8	601.7	585.9	579.0	572.1	568.1	564.2	566.1	550.4	519.8	518.8
70°	536.6	555.3	544.4	538.5	529.7	522.7	499.1	460.6	434.0	426.1	435.0
72.5°	461.6	487.2	481.3	478.4	467.5	450.7	419.2	381.7	350.1	330.4	334.4
75°	348.2	368.9	371.8	372.8	361.0	345.2	312.7	281.1	253.5	232.8	237.7
77.5°	200.2	212.1	215.0	218.0	209.1	203.2	181.5	158.8	144.0	122.3	128.2
80°	111.5	116.4	116.4	117.4	112.4	105.5	90.7	77.9	71.0	61.2	62.1
82.5°	67.1	69.0	70.0	71.0	68.1	61.2	50.3	41.4	37.5	32.5	31.6
85°	32.5	34.5	34.5	35.5	30.6	26.6	20.7	15.8	13.8	9.9	10.8
87.5°	7.9	8.9	8.9	7.9	6.9	4.9	3.0	1.0	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)