

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: P634808

Luminaire Tested: GWS-SA3C-740-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634808
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12276.9 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

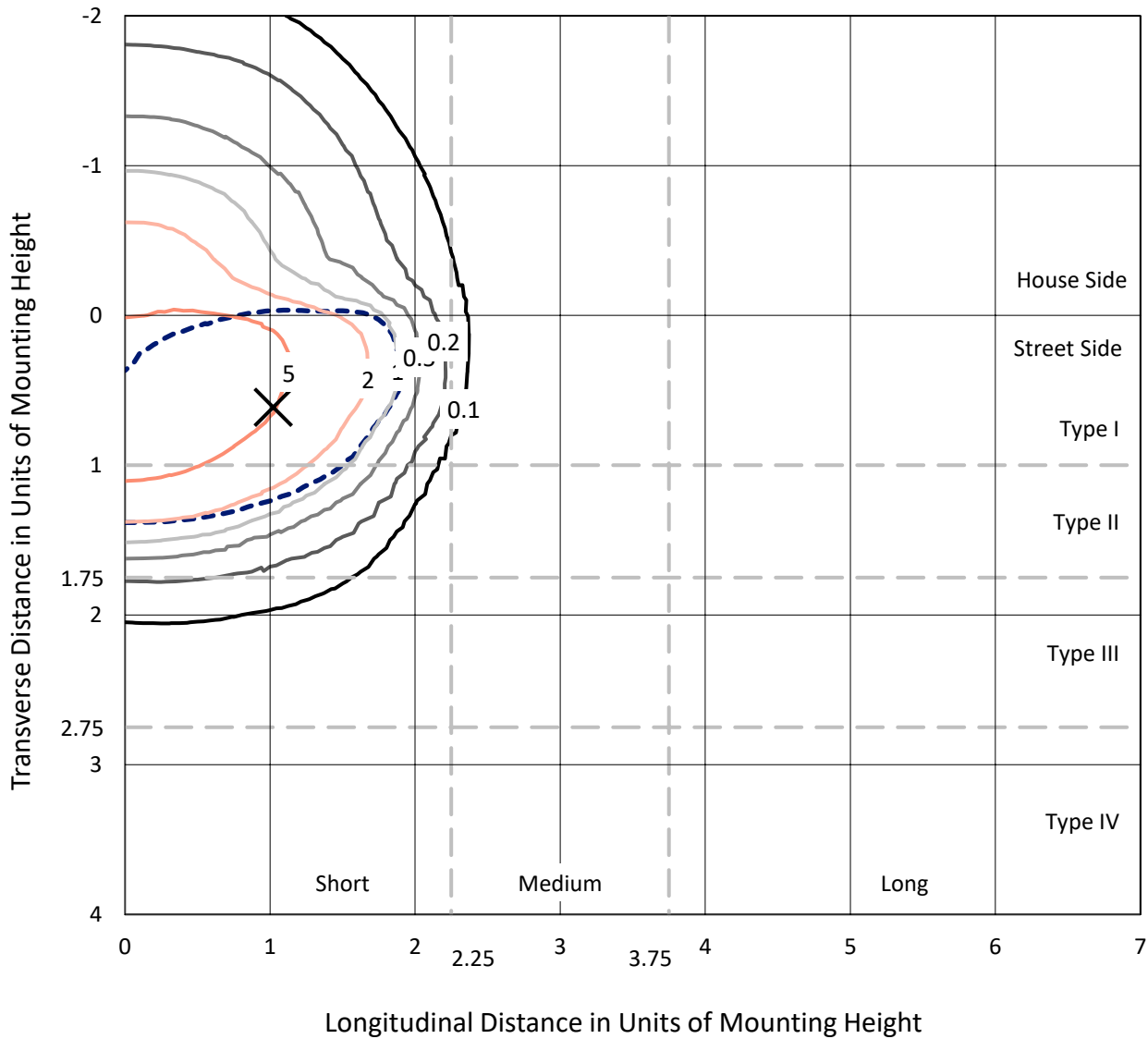
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634808
 CATALOG NUMBER: GWS-SA3C-740-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

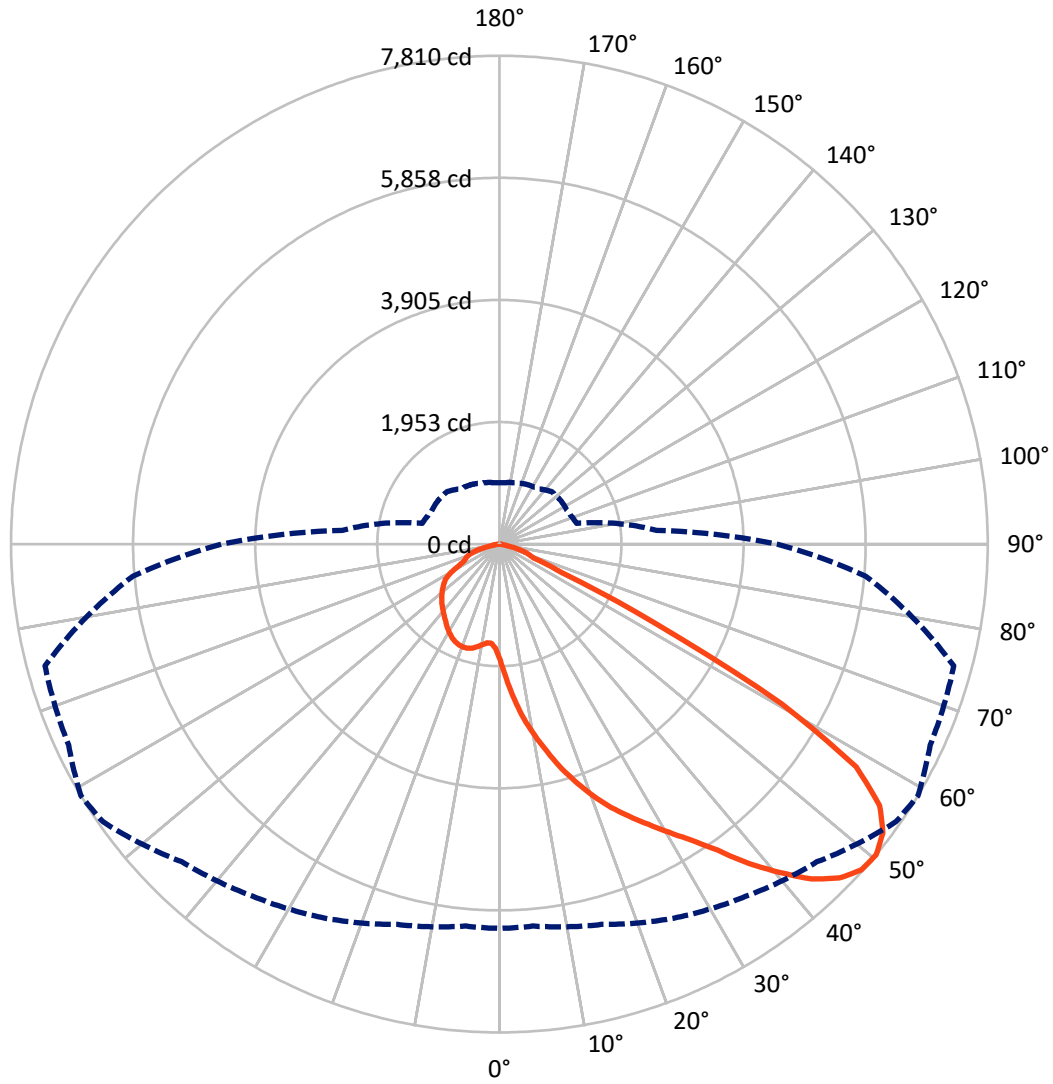
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

REPORT NUMBER: P634808
CATALOG NUMBER: GWS-SA3C-740-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634808

CATALOG NUMBER: GWS-SA3C-740-U-T2R-W-GRSWH

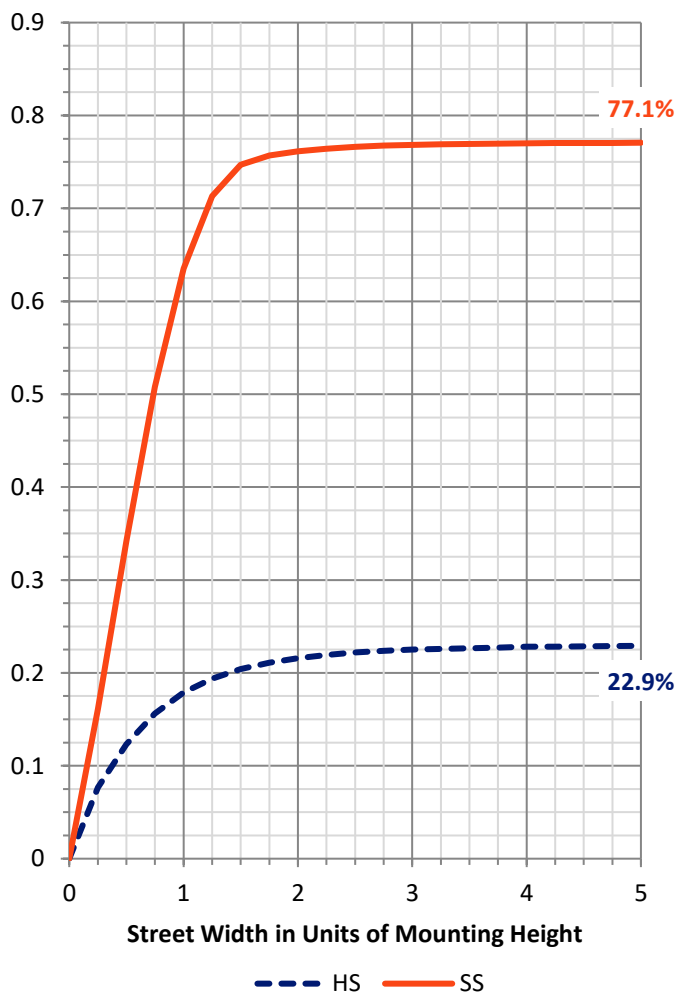
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2823.9	0.0	2823.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	9453.0	0.0	9453.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	12276.9	0.0	12276.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.7	1.7
10°-20°	757.5	6.2
20°-30°	1434.4	11.7
30°-40°	2378.7	19.4
40°-50°	3249.4	26.5
50°-60°	2949.6	24.0
60°-70°	982.2	8.0
70°-80°	286.5	2.3
80°-90°	30.1	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°	12276.9	100.0
0°-180°	12276.9	100.0

Coefficient of Utilization



REPORT NUMBER: P634808

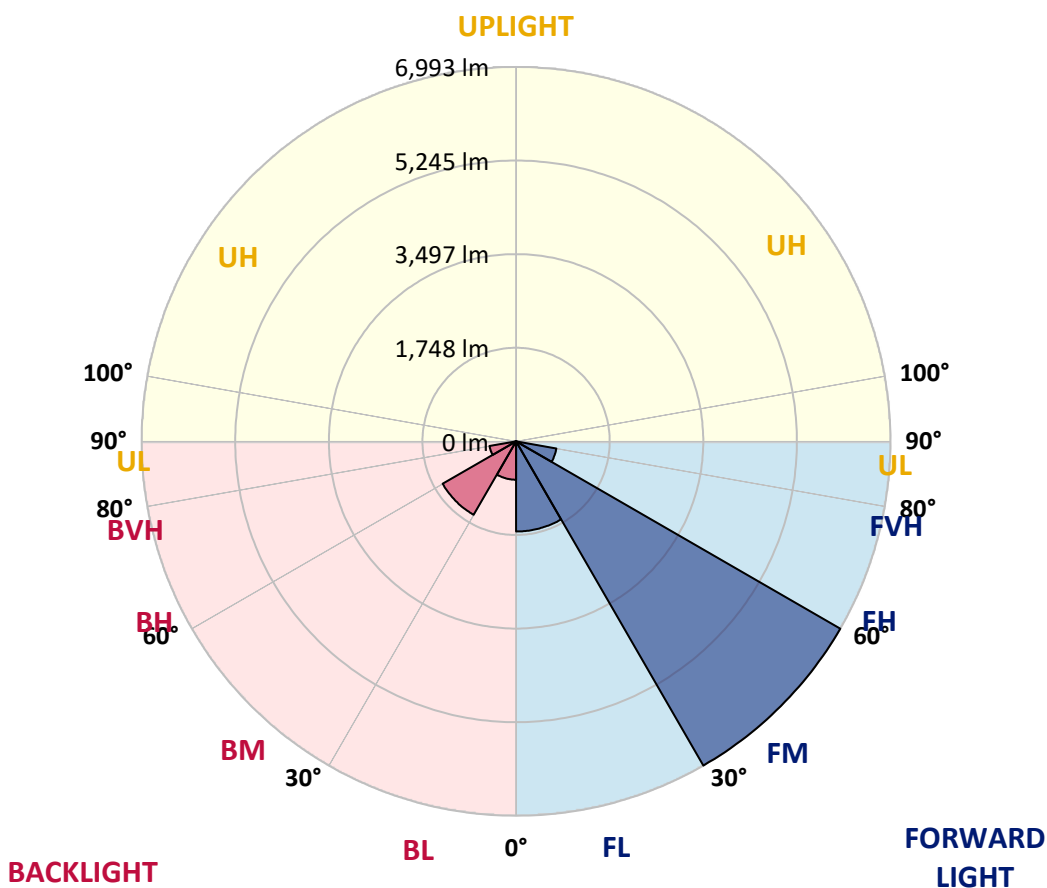
CATALOG NUMBER: GWS-SA3C-740-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1683.5	13.7			
FM (30°-60°)	6993.1	57.0			
FH (60°-80°)	764.7	6.2			G1/1800
FVH (80°-90°)	11.8	0.1			G1/100
BL (0°-30°)	717.1	5.8	B2/1000		
BM (30°-60°)	1584.5	12.9	B2/2500		
BH (60°-80°)	504.0	4.1	B2/1000		G2/1000
BVH (80°-90°)	18.3	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-G2

Type II Short





REPORT NUMBER: P634808

CATALOG NUMBER: GWS-SA3C-740-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1
2.5°	2410.1	2428.1	2400.1	2402.1	2332.1	2300.1	2210.1	2157.1	2122.1	2024.1	1935.1
5°	2896.1	2875.1	2853.1	2840.1	2779.1	2693.1	2581.1	2492.1	2410.1	2218.1	2033.1
7.5°	3194.1	3183.1	3168.1	3160.1	3100.1	3010.1	2898.1	2822.1	2703.1	2443.1	2152.1
10°	3447.1	3434.1	3425.1	3431.1	3382.1	3324.1	3202.1	3115.1	2981.1	2681.1	2296.1
12.5°	3643.1	3650.1	3653.1	3685.1	3664.1	3629.1	3503.1	3411.1	3262.1	2932.1	2465.1
15°	3798.1	3796.1	3831.1	3892.1	3926.1	3904.1	3803.1	3726.1	3544.1	3179.1	2647.1
17.5°	3834.1	3836.1	3891.1	3998.1	4109.1	4163.1	4106.1	4014.1	3834.1	3423.1	2836.1
20°	3863.1	3867.1	3924.1	4046.1	4208.1	4359.1	4368.1	4302.1	4147.1	3687.1	3028.1
22.5°	4046.1	4055.1	4070.1	4147.1	4293.1	4484.1	4589.1	4575.1	4445.1	3964.1	3235.1
25°	4527.1	4500.1	4427.1	4405.1	4461.1	4616.1	4795.1	4822.1	4758.1	4269.1	3458.1
27.5°	5121.1	5092.1	4984.1	4870.1	4749.1	4803.1	4994.1	5075.1	5076.1	4605.1	3682.1
30°	5660.2	5637.2	5549.2	5386.2	5177.1	5099.1	5240.1	5349.2	5414.2	4993.1	3937.1
32.5°	6121.2	6100.2	5981.2	5848.2	5644.2	5487.2	5538.2	5643.2	5795.2	5495.2	4254.1
35°	6509.2	6488.2	6374.2	6240.2	6051.2	5957.2	5939.2	6011.2	6208.2	6019.2	4618.1
37.5°	6824.2	6803.2	6684.2	6558.2	6414.2	6420.2	6447.2	6482.2	6595.2	6580.2	5007.1
40°	7028.2	7006.2	6921.2	6831.2	6740.2	6812.2	6946.2	6904.2	6964.2	7033.2	5365.2
42.5°	7119.2	7091.2	7042.2	7022.2	6994.2	7106.2	7364.2	7322.2	7250.2	7335.2	5631.2
45°	7028.2	7004.2	7003.2	7064.2	7129.2	7273.2	7653.2	7619.2	7437.2	7481.2	5790.2
47.5°	6749.2	6728.2	6785.2	6945.2	7105.2	7315.2	7782.2	7788.2	7570.2	7542.2	5893.2
50°	6146.2	6132.2	6297.2	6600.2	6876.2	7184.2	7741.2	7810.2	7602.2	7523.2	5880.2
52.5°	4920.1	4985.1	5344.2	5850.2	6386.2	6954.2	7589.2	7679.2	7448.2	7398.2	5810.2
55°	3368.1	3398.1	3757.1	4496.1	5346.2	6456.2	7240.2	7379.2	7266.2	7377.2	5883.2
57.5°	1744.0	1768.0	2051.1	2707.1	3626.1	5102.1	6271.2	6727.2	6899.2	7483.2	6110.2
60°	716.0	736.0	853.0	1170.0	1829.1	2971.1	4513.1	5189.1	5593.2	6834.2	5426.2
62.5°	520.0	530.0	586.0	698.0	958.0	1456.0	2554.1	2803.1	3087.1	4283.1	3445.1
65°	438.0	449.0	494.0	562.0	699.0	893.0	1091.0	1097.0	1209.0	1745.0	1277.0
67.5°	367.0	377.0	417.0	475.0	565.0	634.0	586.0	587.0	585.0	633.0	612.0
70°	286.0	294.0	334.0	396.0	443.0	407.0	458.0	507.0	486.0	505.0	534.0
72.5°	209.0	218.0	253.0	300.0	288.0	290.0	371.0	421.0	409.0	430.0	457.0
75°	151.0	157.0	175.0	150.0	158.0	191.0	261.0	288.0	300.0	318.0	342.0
77.5°	49.0	49.0	55.0	69.0	86.0	106.0	133.0	144.0	162.0	182.0	199.0
80°	25.0	26.0	31.0	38.0	48.0	61.0	78.0	83.0	92.0	103.0	110.0
82.5°	12.0	13.0	15.0	19.0	25.0	32.0	43.0	48.0	54.0	61.0	66.0
85°	3.0	3.0	4.0	6.0	8.0	12.0	16.0	19.0	24.0	29.0	32.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	3.0	4.0	5.0	6.0	8.0
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: P634808

CATALOG NUMBER: GWS-SA3C-740-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1	1860.1
2.5°	1895.1	1839.1	1767.0	1706.0	1650.0	1607.0	1570.0	1552.0	1535.0	1523.0	1527.0
5°	1947.1	1851.1	1717.0	1624.0	1567.0	1538.0	1518.0	1508.0	1506.0	1498.0	1495.0
7.5°	2023.1	1886.1	1707.0	1613.0	1575.0	1560.0	1549.0	1543.0	1546.0	1538.0	1535.0
10°	2117.1	1944.1	1732.0	1649.0	1616.0	1605.0	1593.0	1585.0	1581.0	1569.0	1567.0
12.5°	2234.1	2016.1	1777.0	1695.0	1662.0	1643.0	1627.0	1613.0	1604.0	1589.0	1585.0
15°	2360.1	2096.1	1830.1	1740.0	1701.0	1673.0	1647.0	1626.0	1610.0	1590.0	1587.0
17.5°	2497.1	2180.1	1874.1	1771.0	1721.0	1684.0	1646.0	1615.0	1593.0	1567.0	1564.0
20°	2640.1	2265.1	1907.1	1786.1	1722.0	1672.0	1621.0	1580.0	1552.0	1526.0	1524.0
22.5°	2788.1	2343.1	1927.1	1782.1	1706.0	1644.0	1583.0	1537.0	1504.0	1473.0	1471.0
25°	2937.1	2418.1	1932.1	1766.0	1674.0	1602.0	1541.0	1487.0	1450.0	1415.0	1411.0
27.5°	3088.1	2481.1	1920.1	1734.0	1631.0	1553.0	1492.0	1439.0	1401.0	1366.0	1360.0
30°	3249.1	2535.1	1894.1	1692.0	1581.0	1501.0	1441.0	1401.0	1365.0	1330.0	1324.0
32.5°	3421.1	2582.1	1857.1	1641.0	1523.0	1449.0	1405.0	1369.0	1333.0	1302.0	1296.0
35°	3626.1	2613.1	1802.1	1575.0	1469.0	1411.0	1381.0	1339.0	1295.0	1261.0	1258.0
37.5°	3838.1	2637.1	1736.0	1512.0	1422.0	1389.0	1364.0	1307.0	1252.0	1211.0	1206.0
40°	4043.1	2657.1	1654.0	1453.0	1379.0	1373.0	1339.0	1268.0	1173.0	1127.0	1123.0
42.5°	4234.1	2663.1	1568.0	1390.0	1340.0	1337.0	1299.0	1189.0	1116.0	1087.0	1083.0
45°	4365.1	2658.1	1479.0	1331.0	1301.0	1285.0	1245.0	1132.0	1087.0	1061.0	1056.0
47.5°	4462.1	2632.1	1379.0	1269.0	1257.0	1235.0	1149.0	1096.0	1054.0	1028.0	1023.0
50°	4445.1	2524.1	1278.0	1209.0	1204.0	1185.0	1079.0	1051.0	1014.0	986.0	982.0
52.5°	4357.1	2319.1	1175.0	1143.0	1153.0	1116.0	1029.0	997.0	965.0	933.0	926.0
55°	4379.1	2171.1	1097.0	1079.0	1097.0	1013.0	973.0	939.0	909.0	878.0	872.0
57.5°	4475.1	2025.1	1014.0	1010.0	1029.0	934.0	901.0	858.0	815.0	790.0	790.0
60°	3758.1	1476.0	868.0	878.0	921.0	870.0	841.0	797.0	750.0	728.0	728.0
62.5°	2222.1	926.0	720.0	709.0	736.0	768.0	784.0	748.0	692.0	663.0	664.0
65°	979.0	674.0	635.0	626.0	618.0	640.0	684.0	687.0	628.0	594.0	595.0
67.5°	603.0	610.0	594.0	587.0	580.0	576.0	572.0	574.0	558.0	527.0	526.0
70°	544.0	563.0	552.0	546.0	537.0	530.0	506.0	467.0	440.0	432.0	441.0
72.5°	468.0	494.0	488.0	485.0	474.0	457.0	425.0	387.0	355.0	335.0	339.0
75°	353.0	374.0	377.0	378.0	366.0	350.0	317.0	285.0	257.0	236.0	241.0
77.5°	203.0	215.0	218.0	221.0	212.0	206.0	184.0	161.0	146.0	124.0	130.0
80°	113.0	118.0	118.0	119.0	114.0	107.0	92.0	79.0	72.0	62.0	63.0
82.5°	68.0	70.0	71.0	72.0	69.0	62.0	51.0	42.0	38.0	33.0	32.0
85°	33.0	35.0	35.0	36.0	31.0	27.0	21.0	16.0	14.0	10.0	11.0
87.5°	8.0	9.0	9.0	8.0	7.0	5.0	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)