

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: P634309

Luminaire Tested: GWS-SA3B-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634309
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-SA3B-740-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8671.9 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

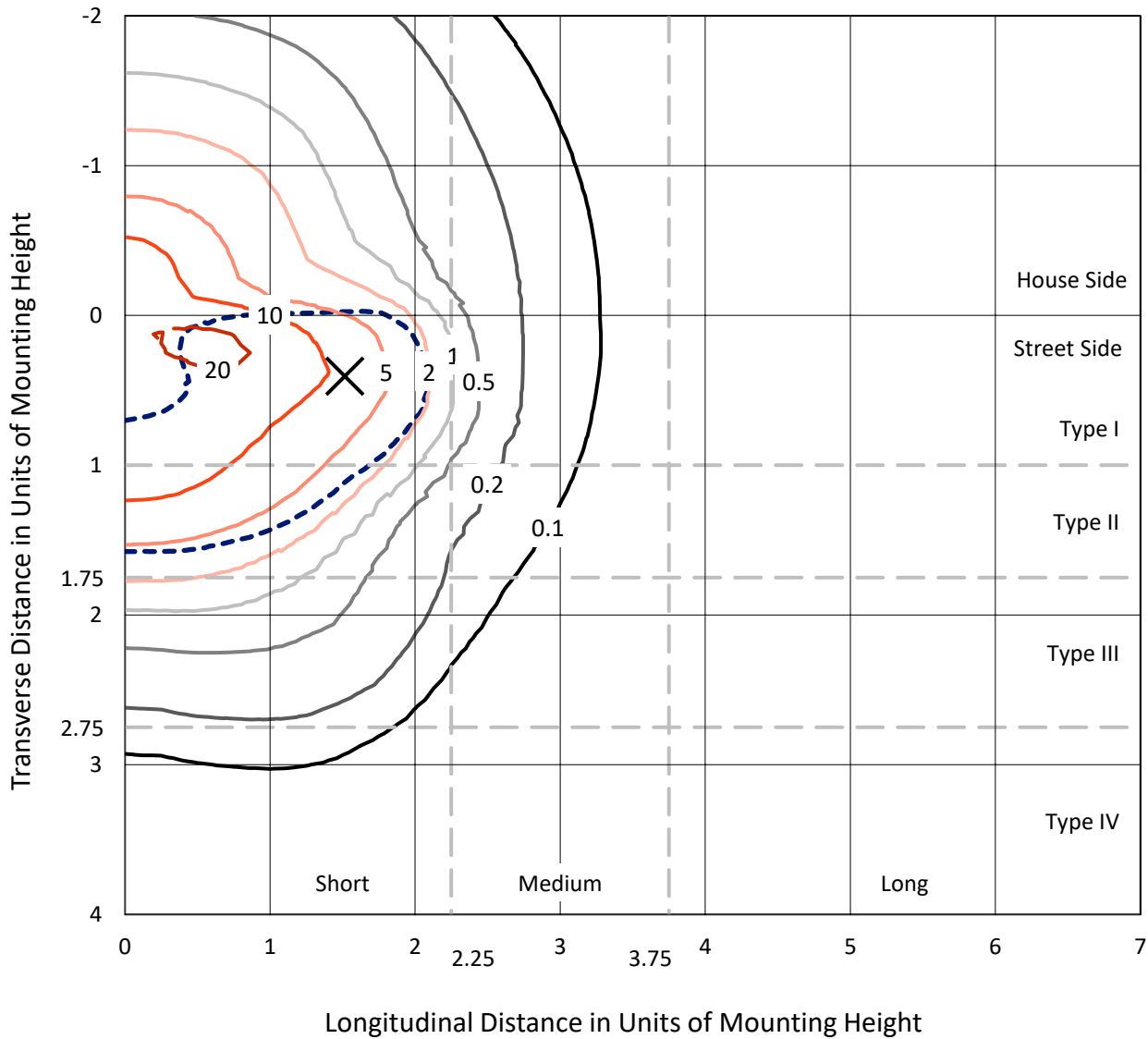
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634309
 CATALOG NUMBER: GWS-SA3B-740-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

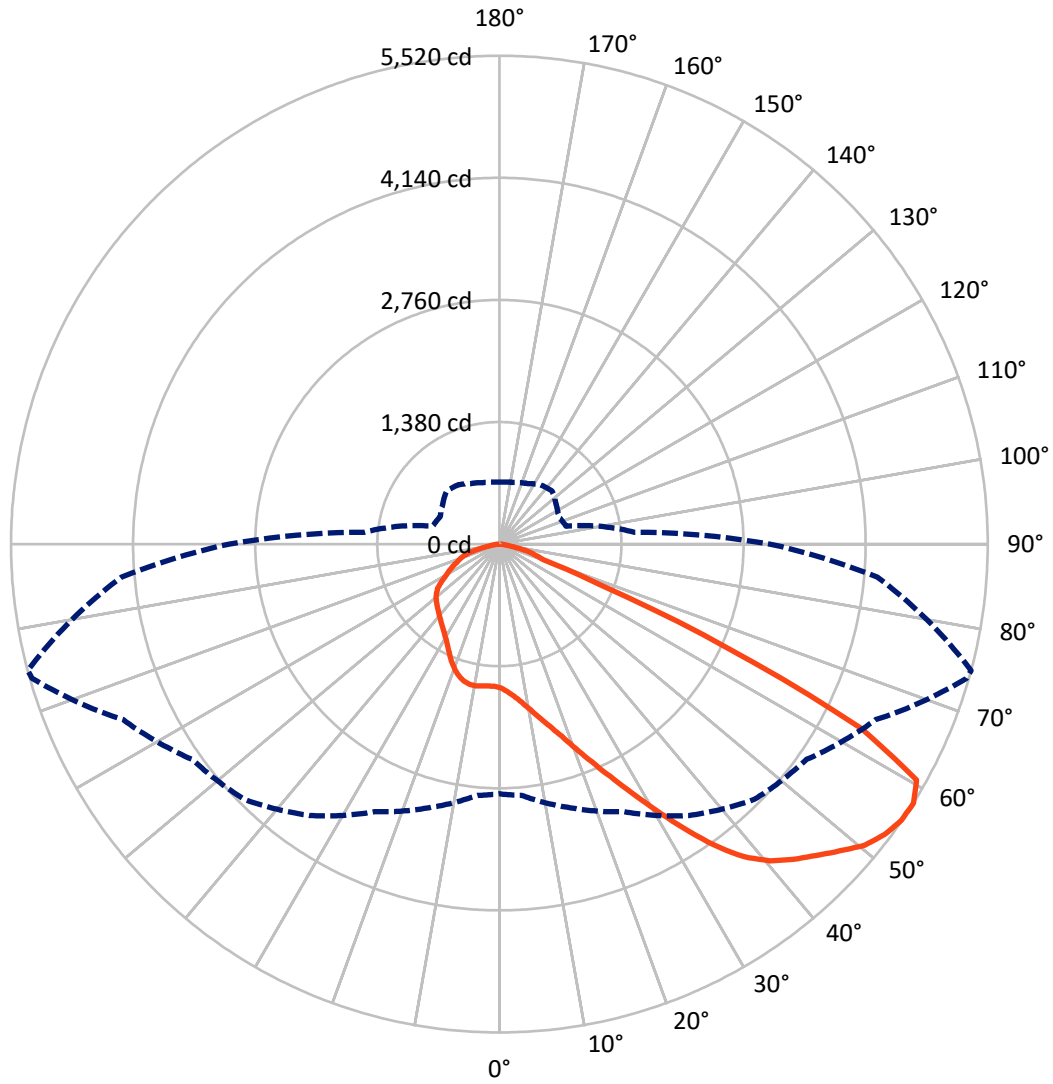
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23 fc
 Type II - Short - N/A

REPORT NUMBER: P634309
CATALOG NUMBER: GWS-SA3B-740-U-T2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634309

CATALOG NUMBER: GWS-SA3B-740-U-T2-W-GRSWH

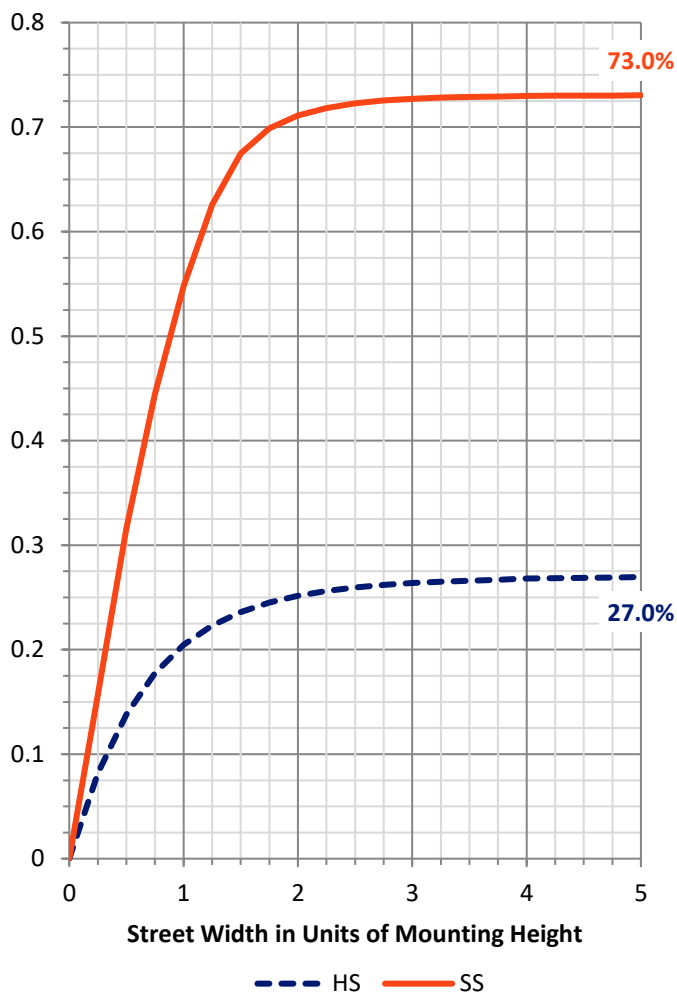
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2345.9	0.0	2345.9
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	6326.0	0.0	6326.0
	% Fixture	72.9	0.0	72.9
Total	Lumens	8671.9	0.0	8671.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.5	1.9
10°-20°	517.4	6.0
20°-30°	917.6	10.6
30°-40°	1404.7	16.2
40°-50°	1956.0	22.6
50°-60°	2241.2	25.8
60°-70°	1151.5	13.3
70°-80°	289.9	3.3
80°-90°	31.0	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°	8671.9	100.0
0°-180°	8671.9	100.0

Coefficient of Utilization



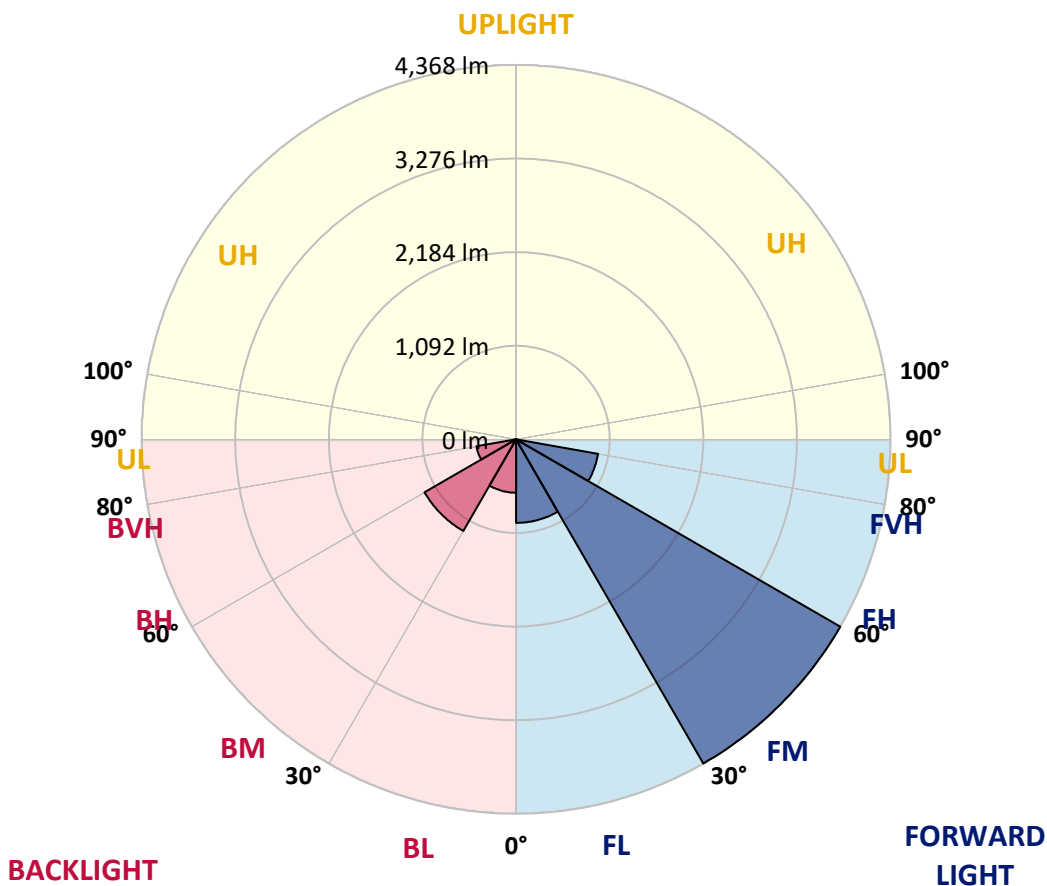
REPORT NUMBER: P634309

CATALOG NUMBER: GWS-SA3B-740-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°)	974.3	11.2			
FM (30°-60°)	4368.1	50.4			
FH (60°-80°)	972.0	11.2			G1/1800
FVH (80°-90°)	11.5	0.1			G1/100
BL (0°-30°)	623.2	7.2	B2/1000		
BM (30°-60°)	1233.7	14.2	B2/2500		
BH (60°-80°)	469.4	5.4	B1/500		G1/500
BVH (80°-90°)	19.5	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-G1
 Type II Short





REPORT NUMBER: P634309

CATALOG NUMBER: GWS-SA3B-740-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0
2.5°	1744.8	1749.3	1744.8	1752.3	1737.4	1730.7	1714.3	1689.7	1670.3	1667.3	1645.7
5°	1880.5	1890.2	1884.3	1881.3	1861.2	1846.2	1821.6	1772.4	1732.2	1726.2	1683.7
7.5°	1967.8	1974.5	1974.5	1976.7	1969.3	1952.1	1926.0	1867.9	1811.2	1802.3	1738.1
10°	1996.9	2002.1	2011.8	2030.4	2045.3	2050.6	2033.4	1977.5	1908.1	1899.2	1809.7
12.5°	2003.6	2009.5	2024.5	2058.8	2099.8	2137.0	2140.0	2099.0	2021.5	2011.8	1892.5
15°	2016.3	2022.2	2042.4	2084.9	2145.3	2216.8	2260.8	2232.5	2146.7	2136.3	1986.4
17.5°	2014.8	2021.5	2051.3	2108.0	2189.2	2292.9	2377.9	2389.8	2301.1	2283.2	2093.1
20°	2011.0	2017.0	2049.1	2118.4	2219.1	2361.5	2515.1	2577.0	2481.5	2465.1	2217.6
22.5°	2040.9	2047.6	2072.2	2129.6	2234.7	2414.4	2641.9	2791.0	2695.5	2672.4	2360.7
25°	2108.0	2117.7	2132.6	2172.1	2263.1	2461.4	2771.6	3033.3	2935.6	2908.1	2516.6
27.5°	2211.6	2223.5	2244.4	2263.1	2326.4	2521.1	2900.6	3304.7	3207.1	3178.0	2681.4
30°	2338.4	2354.0	2380.9	2393.6	2436.8	2609.1	3040.8	3584.4	3527.7	3487.4	2867.0
32.5°	2513.6	2535.2	2560.6	2564.3	2590.4	2742.5	3179.5	3861.8	3861.0	3832.7	3078.1
35°	2741.8	2764.9	2770.1	2775.3	2788.0	2926.0	3347.2	4114.5	4212.2	4179.4	3307.7
37.5°	2990.8	3024.4	3032.6	3009.5	3027.4	3146.7	3535.9	4317.3	4517.9	4482.9	3529.9
40°	3257.0	3270.4	3292.8	3256.3	3278.6	3399.4	3720.8	4447.1	4746.1	4708.8	3705.2
42.5°	3447.9	3472.5	3506.1	3492.7	3505.3	3615.7	3850.6	4509.7	4908.7	4871.4	3831.2
45°	3655.2	3662.7	3684.3	3681.3	3688.8	3791.7	3943.8	4537.3	5054.1	5020.5	3938.6
47.5°	3835.7	3846.8	3861.0	3844.6	3828.2	3895.3	4019.8	4561.2	5221.8	5181.6	4051.1
50°	4009.4	4019.1	4036.2	3988.5	3927.4	3944.5	4057.1	4594.0	5379.2	5350.8	4139.9
52.5°	4041.5	4051.9	4132.4	4142.1	4063.8	4003.4	4122.7	4666.3	5471.6	5453.7	4171.9
55°	3638.1	3656.7	3817.0	4001.2	4194.3	4174.9	4227.9	4704.3	5508.2	5512.6	4229.4
57.5°	2823.8	2850.6	3084.8	3337.6	3743.9	4080.2	4241.3	4694.6	5495.5	5520.1	4288.3
60°	1852.2	1867.9	2145.3	2428.6	2849.9	3315.2	3796.1	4520.2	5382.9	5417.9	4273.4
62.5°	1118.5	1136.4	1359.3	1574.1	1822.4	2133.3	2574.8	3632.8	4512.0	4590.3	3422.6
65°	780.7	804.6	999.9	1176.6	1262.4	1198.3	1304.2	2028.9	2811.1	2843.9	2091.6
67.5°	566.0	582.4	742.7	952.9	1047.6	846.3	645.0	898.5	1224.4	1236.3	862.7
70°	370.6	389.2	534.6	725.5	855.3	686.0	482.4	486.2	515.2	521.2	501.1
72.5°	203.6	214.7	330.3	481.7	505.6	410.1	376.6	404.1	424.3	424.3	429.5
75°	105.1	114.8	135.0	158.8	191.6	224.4	271.4	312.4	334.1	335.5	333.3
77.5°	53.7	57.4	72.3	78.3	85.8	99.9	129.7	166.3	185.7	193.1	191.6
80°	25.4	26.8	30.6	35.8	44.0	55.9	70.1	83.5	95.4	96.9	105.1
82.5°	13.4	14.9	16.4	19.4	23.9	29.8	41.0	49.2	56.7	58.2	64.9
85°	5.2	6.0	6.7	7.5	10.4	12.7	17.2	23.1	28.3	28.3	33.6
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	3.0	3.7	5.2	5.2	8.9
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: P634309

CATALOG NUMBER: GWS-SA3B-740-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0
2.5°	1640.4	1618.8	1609.1	1593.5	1580.8	1566.6	1555.4	1547.2	1542.0	1539.0	1536.1
5°	1667.3	1634.5	1608.4	1577.1	1555.4	1534.6	1517.4	1505.5	1499.5	1495.0	1492.1
7.5°	1709.0	1665.0	1615.8	1567.4	1529.3	1495.8	1474.2	1461.5	1453.3	1450.3	1448.1
10°	1766.5	1705.3	1624.0	1547.2	1490.6	1454.0	1439.1	1433.2	1433.9	1432.4	1431.7
12.5°	1831.3	1747.8	1621.8	1511.4	1448.8	1427.2	1427.9	1437.6	1448.8	1451.8	1452.5
15°	1901.4	1789.6	1600.2	1465.2	1416.0	1418.2	1437.6	1460.7	1481.6	1489.8	1491.3
17.5°	1977.5	1824.6	1560.7	1414.5	1389.2	1413.0	1448.8	1486.8	1517.4	1530.8	1534.6
20°	2062.5	1854.4	1504.7	1364.6	1363.8	1403.3	1455.5	1505.5	1544.3	1562.1	1565.1
22.5°	2152.7	1873.1	1436.1	1318.3	1337.7	1390.6	1450.3	1502.5	1543.5	1561.4	1565.1
25°	2243.7	1879.1	1360.8	1275.8	1310.9	1370.5	1424.9	1466.7	1505.5	1521.1	1524.1
27.5°	2328.7	1861.9	1289.2	1239.3	1286.3	1340.7	1377.2	1399.6	1426.4	1438.4	1440.6
30°	2415.2	1827.6	1228.8	1210.2	1258.7	1299.7	1316.1	1317.6	1328.0	1328.0	1329.5
32.5°	2502.4	1776.9	1175.9	1181.9	1224.4	1251.2	1253.4	1236.3	1223.6	1202.7	1202.0
35°	2603.1	1725.4	1132.7	1149.8	1184.1	1200.5	1193.8	1161.0	1130.4	1096.1	1094.6
37.5°	2696.3	1672.5	1096.1	1117.0	1138.6	1150.5	1134.9	1095.4	1070.0	1035.0	1029.8
40°	2773.1	1624.8	1061.1	1082.7	1093.1	1103.6	1078.2	1046.2	1049.9	1030.5	1029.8
42.5°	2817.8	1578.6	1028.3	1044.7	1051.4	1058.8	1036.5	1012.6	1032.7	1017.8	1018.6
45°	2850.6	1538.3	998.4	1004.4	1020.8	1032.0	1011.1	984.3	988.7	931.3	917.9
47.5°	2887.9	1515.9	970.1	964.1	993.2	1012.6	980.5	941.8	914.9	858.3	853.0
50°	2927.4	1507.7	940.3	923.9	958.9	977.6	940.3	891.8	856.8	826.2	823.2
52.5°	2940.9	1507.0	903.0	875.4	910.4	936.5	905.2	856.0	814.3	784.4	782.9
55°	2993.8	1528.6	855.3	809.0	841.8	895.5	872.4	801.6	768.0	754.6	753.1
57.5°	3055.7	1532.3	780.0	736.7	782.2	845.6	816.5	755.3	718.8	702.4	700.9
60°	3030.3	1440.6	699.4	681.5	731.5	798.6	771.8	718.8	676.3	660.7	659.2
62.5°	2309.3	1017.1	640.5	633.8	677.1	730.7	725.5	670.3	630.1	618.9	617.4
65°	1389.2	714.3	583.8	583.1	613.7	665.1	671.8	627.1	584.6	568.9	568.9
67.5°	686.7	546.6	519.7	516.0	535.4	571.9	600.3	563.7	527.9	513.0	510.8
70°	485.4	481.7	472.7	462.3	466.0	480.9	492.9	462.3	424.3	409.4	406.4
72.5°	419.8	420.5	414.6	406.4	403.4	393.0	382.5	360.2	337.0	321.4	322.9
75°	325.9	327.3	331.1	328.1	319.9	308.7	297.5	269.2	250.5	235.6	232.6
77.5°	190.1	197.6	209.5	206.5	208.0	192.4	187.9	160.3	143.2	132.7	130.5
80°	107.4	111.8	117.1	120.8	116.3	109.6	99.9	85.0	79.8	72.3	70.8
82.5°	64.9	69.3	71.6	74.6	73.1	64.1	56.7	47.0	42.5	38.8	38.0
85°	32.8	35.8	38.0	39.5	35.0	29.1	26.1	20.9	17.9	15.7	15.7
87.5°	8.2	8.9	10.4	8.9	8.2	3.7	3.0	0.7	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)