

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: P634806

Luminaire Tested: GWS-SA3C-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634806
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-SA3C-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13840 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

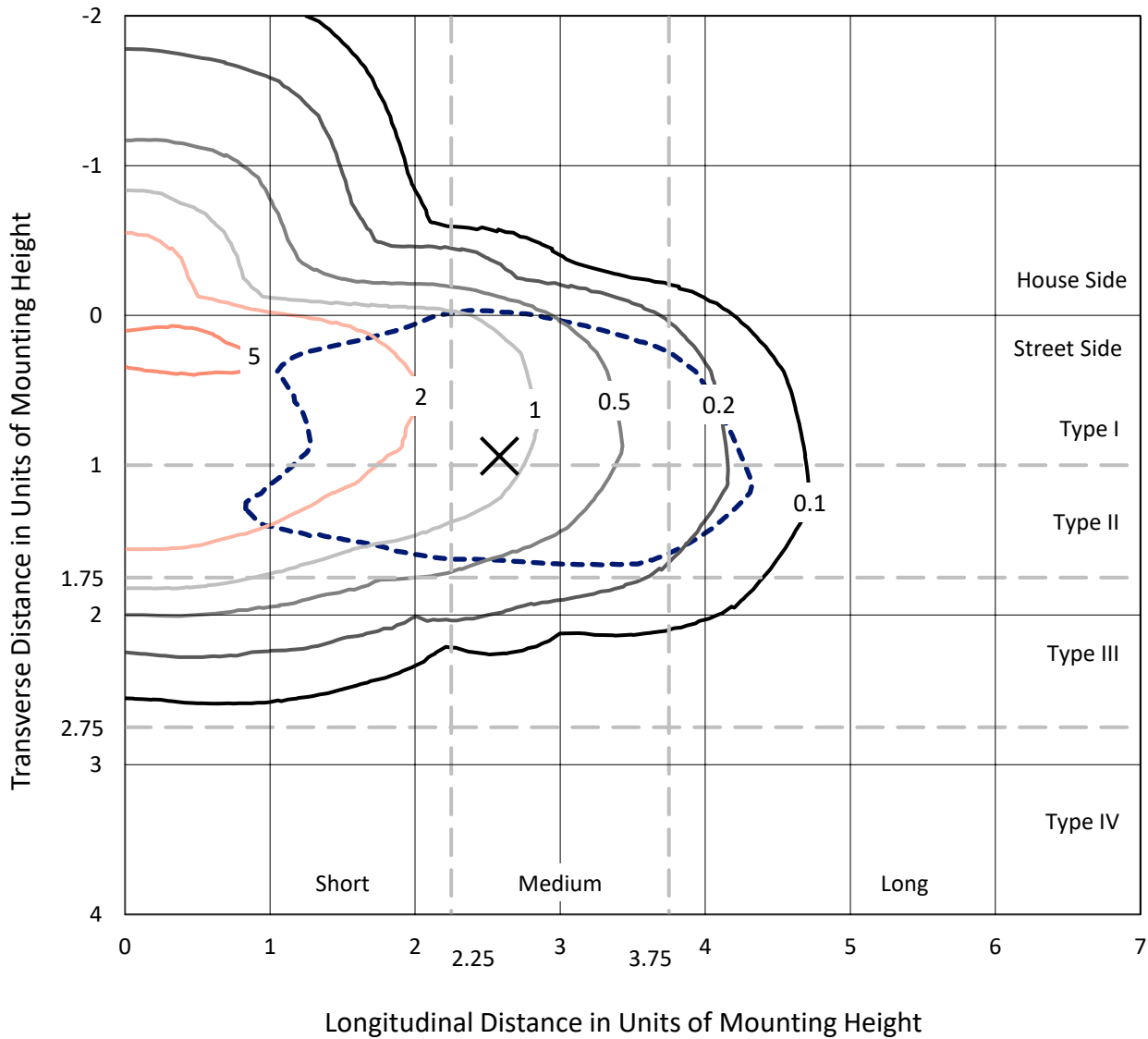
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634806
 CATALOG NUMBER: GWS-SA3C-740-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

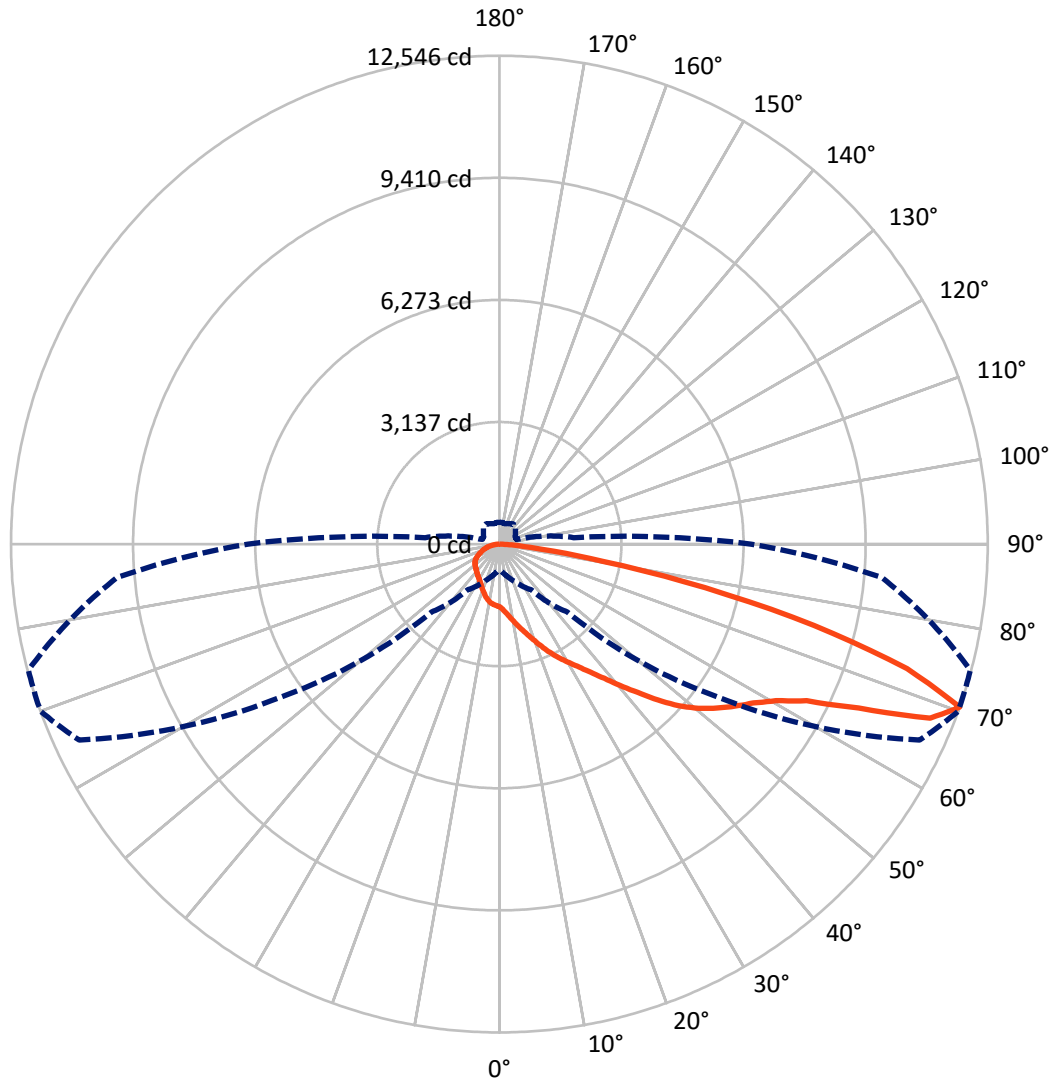
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P634806
CATALOG NUMBER: GWS-SA3C-740-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634806

CATALOG NUMBER: GWS-SA3C-740-U-T2-W

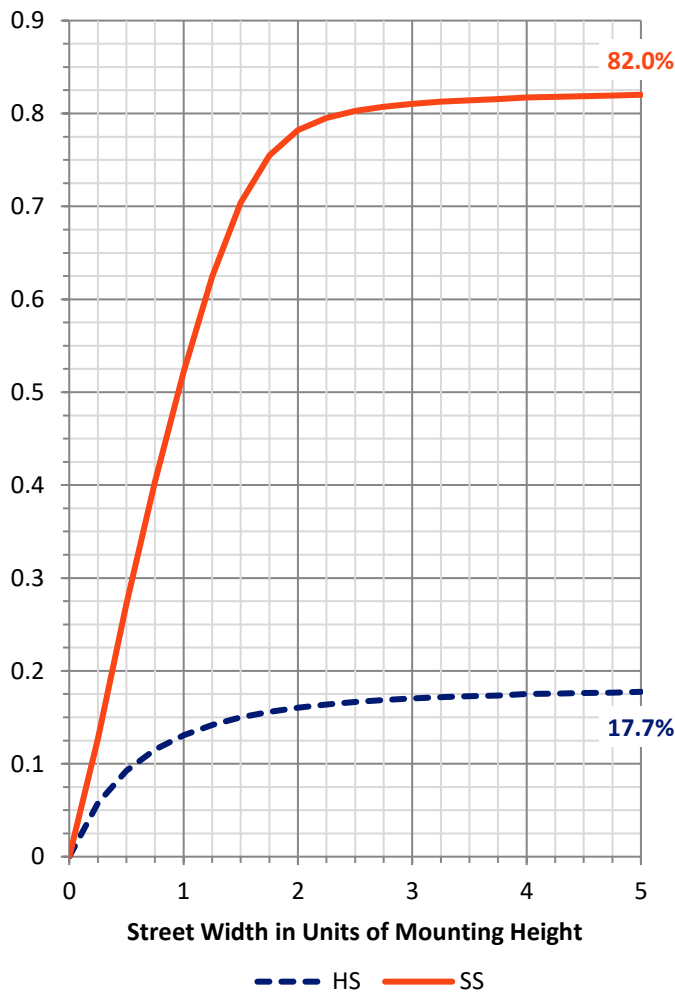
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2480.1	0.0	2480.1
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	11359.8	0.0	11359.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	13840.0	0.0	13840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	1.2
10°-20°	533.6	3.9
20°-30°	945.4	6.8
30°-40°	1422.8	10.3
40°-50°	2152.5	15.6
50°-60°	3083.6	22.3
60°-70°	3408.6	24.6
70°-80°	1923.6	13.9
80°-90°	205.8	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°	13840.0	100.0
0°-180°	13840.0	100.0

Coefficient of Utilization



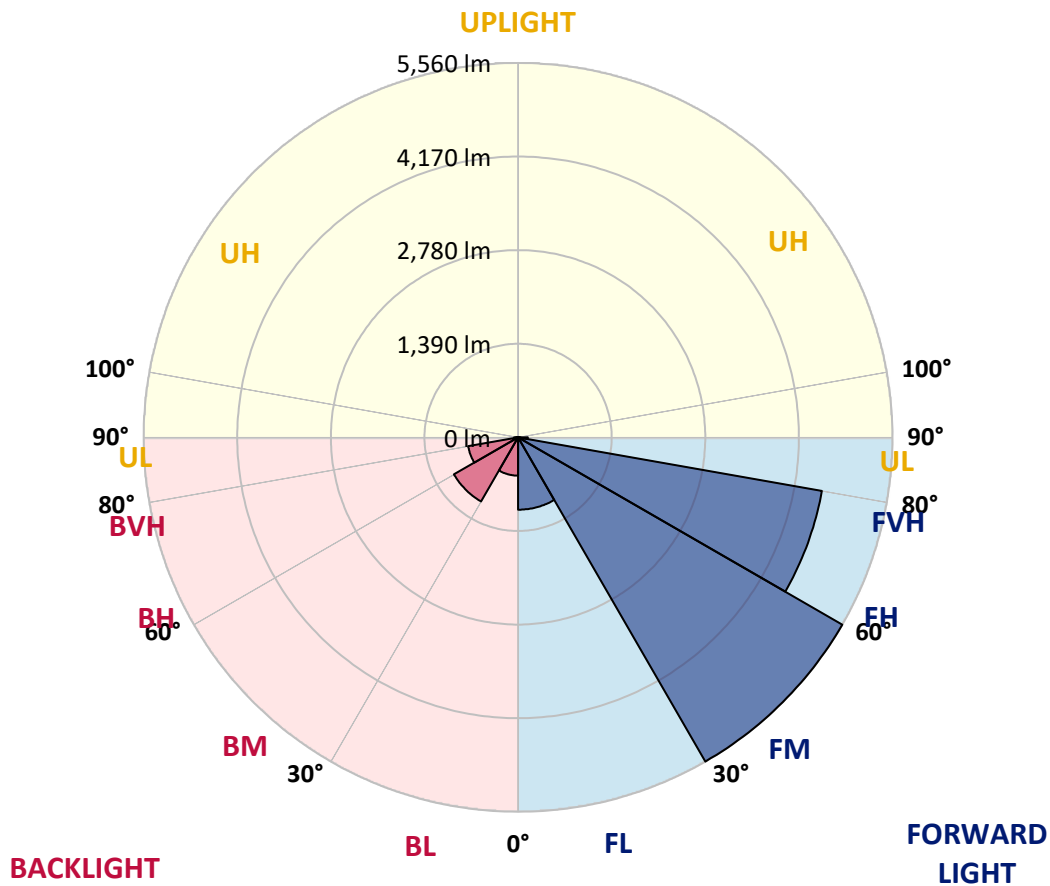
REPORT NUMBER: P634806

CATALOG NUMBER: GWS-SA3C-740-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1074.4	7.8			
FM (30°-60°)	5559.5	40.2			
FH (60°-80°)	4580.5	33.1			G2/5000
FVH (80°-90°)	145.4	1.1			G2/225
BL (0°-30°)	568.7	4.1	B2/1000		
BM (30°-60°)	1099.5	7.9	B2/2500		
BH (60°-80°)	751.7	5.4	B2/1000		G2/1000
BVH (80°-90°)	60.3	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: P634806

CATALOG NUMBER: GWS-SA3C-740-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0
2.5°	1788.0	1785.0	1787.0	1785.0	1774.0	1747.0	1725.0	1697.0	1678.0	1667.0	1641.0
5°	1998.0	1995.0	1988.0	1978.0	1958.0	1921.0	1866.0	1805.0	1768.0	1740.0	1685.0
7.5°	2149.0	2149.0	2148.0	2136.0	2122.0	2083.0	2018.0	1938.0	1884.0	1836.0	1746.0
10°	2226.0	2231.0	2238.0	2255.0	2252.0	2231.0	2170.0	2084.0	2016.0	1960.0	1826.0
12.5°	2268.0	2271.0	2283.0	2318.0	2354.0	2359.0	2323.0	2233.0	2159.0	2084.0	1915.0
15°	2322.0	2323.0	2339.0	2381.0	2434.0	2487.0	2478.0	2388.0	2312.0	2229.0	2014.0
17.5°	2364.0	2371.0	2400.0	2449.0	2515.0	2588.0	2632.0	2576.0	2482.0	2387.0	2122.0
20°	2379.0	2384.0	2422.0	2497.0	2587.0	2690.1	2788.1	2773.1	2678.1	2566.0	2244.0
22.5°	2433.0	2433.0	2461.0	2524.0	2630.0	2780.1	2939.1	2978.1	2894.1	2763.1	2375.0
25°	2552.0	2548.0	2561.0	2587.0	2667.1	2852.1	3088.1	3205.1	3111.1	2964.1	2506.0
27.5°	2715.1	2713.1	2712.1	2716.1	2743.1	2915.1	3214.1	3417.1	3323.1	3157.1	2623.0
30°	2892.1	2886.1	2899.1	2887.1	2881.1	2990.1	3321.1	3607.1	3534.1	3348.1	2720.1
32.5°	3133.1	3122.1	3119.1	3080.1	3056.1	3107.1	3407.1	3823.1	3765.1	3554.1	2829.1
35°	3451.1	3441.1	3390.1	3328.1	3257.1	3281.1	3514.1	4034.1	4038.1	3812.1	2972.1
37.5°	3772.1	3774.1	3734.1	3588.1	3515.1	3501.1	3677.1	4291.1	4377.1	4120.1	3157.1
40°	4039.1	4051.1	4051.1	3897.1	3788.1	3775.1	3906.1	4596.1	4767.1	4498.1	3391.1
42.5°	4242.1	4253.1	4288.1	4177.1	4062.1	4107.1	4184.1	4902.1	5209.1	4965.1	3687.1
45°	4465.1	4474.1	4493.1	4429.1	4362.1	4482.1	4499.1	5268.1	5715.1	5489.1	4031.1
47.5°	4761.1	4753.1	4755.1	4708.1	4656.1	4850.1	4846.1	5576.1	6204.1	6063.1	4404.1
50°	5129.1	5144.1	5130.1	5037.1	4976.1	5153.1	5176.1	5917.1	6634.1	6631.1	4780.1
52.5°	5483.1	5489.1	5563.1	5567.1	5442.1	5405.1	5465.1	6261.1	6997.1	7151.1	5141.1
55°	5501.1	5524.1	5746.1	5906.1	6108.1	5811.1	5757.1	6589.1	7348.1	7660.1	5516.1
57.5°	5118.1	5155.1	5532.1	5877.1	6439.1	6508.1	6257.1	7013.1	7699.1	8161.2	5950.1
60°	4300.1	4377.1	4889.1	5417.1	6290.1	7009.1	7280.1	7589.1	8160.2	8673.2	6477.1
62.5°	2746.1	2776.1	3494.1	4378.1	5619.1	6960.1	8394.2	8604.2	8862.2	9340.2	7289.1
65°	1375.0	1471.0	1892.0	2613.0	4052.1	6133.1	8957.2	10463.2	10147.2	10482.2	8605.2
67.5°	933.0	964.0	1177.0	1570.0	2376.0	4345.1	8608.2	12029.2	11936.2	11991.2	10008.2
70°	688.0	708.0	876.0	1112.0	1437.0	2467.0	6853.1	11911.2	12546.2	12526.2	9861.2
72.5°	502.0	512.0	639.0	849.0	1065.0	1276.0	4185.1	9622.2	10952.2	11529.2	8624.2
75°	365.0	377.0	444.0	635.0	828.0	796.0	2066.0	6950.1	8352.2	9462.2	7026.1
77.5°	272.0	287.0	318.0	398.0	580.0	570.0	893.0	4513.1	5402.1	6180.1	4268.1
80°	196.0	199.0	217.0	255.0	368.0	334.0	425.0	2353.0	2698.1	2956.1	1673.0
82.5°	119.0	122.0	145.0	157.0	228.0	210.0	221.0	762.0	1092.0	1159.0	625.0
85°	35.0	37.0	66.0	72.0	95.0	90.0	89.0	310.0	370.0	473.0	246.0
87.5°	0.0	0.0	0.0	0.0	1.0	6.0	11.0	55.0	83.0	115.0	60.0
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: P634806
 CATALOG NUMBER: GWS-SA3C-740-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0	1614.0
2.5°	1631.0	1608.0	1596.0	1575.0	1560.0	1545.0	1530.0	1516.0	1510.0	1501.0	1503.0
5°	1660.0	1624.0	1588.0	1547.0	1512.0	1483.0	1457.0	1434.0	1424.0	1415.0	1419.0
7.5°	1704.0	1650.0	1581.0	1506.0	1451.0	1411.0	1384.0	1368.0	1363.0	1356.0	1356.0
10°	1760.0	1679.0	1558.0	1451.0	1385.0	1353.0	1341.0	1340.0	1345.0	1346.0	1344.0
12.5°	1822.0	1707.0	1524.0	1386.0	1330.0	1320.0	1329.0	1346.0	1363.0	1372.0	1370.0
15°	1886.0	1725.0	1466.0	1324.0	1290.0	1303.0	1332.0	1366.0	1399.0	1416.0	1415.0
17.5°	1946.0	1729.0	1391.0	1264.0	1255.0	1288.0	1338.0	1391.0	1436.0	1460.0	1461.0
20°	2013.0	1722.0	1314.0	1210.0	1220.0	1274.0	1340.0	1404.0	1457.0	1481.0	1487.0
22.5°	2074.0	1698.0	1239.0	1159.0	1190.0	1257.0	1324.0	1384.0	1431.0	1454.0	1462.0
25°	2129.0	1652.0	1157.0	1116.0	1167.0	1233.0	1284.0	1326.0	1359.0	1373.0	1384.0
27.5°	2159.0	1583.0	1095.0	1082.0	1145.0	1199.0	1227.0	1240.0	1251.0	1247.0	1255.0
30°	2165.0	1497.0	1041.0	1055.0	1112.0	1152.0	1158.0	1145.0	1126.0	1095.0	1102.0
32.5°	2159.0	1398.0	996.0	1026.0	1075.0	1099.0	1091.0	1057.0	1011.0	963.0	966.0
35°	2161.0	1298.0	959.0	994.0	1032.0	1045.0	1025.0	978.0	929.0	885.0	883.0
37.5°	2183.0	1214.0	928.0	963.0	990.0	992.0	970.0	921.0	896.0	863.0	859.0
40°	2244.0	1152.0	900.0	932.0	949.0	948.0	923.0	888.0	905.0	894.0	891.0
42.5°	2344.0	1114.0	877.0	899.0	911.0	913.0	893.0	871.0	908.0	894.0	889.0
45°	2505.0	1112.0	861.0	866.0	885.0	899.0	885.0	860.0	874.0	806.0	793.0
47.5°	2696.1	1146.0	849.0	837.0	870.0	895.0	873.0	833.0	804.0	742.0	733.0
50°	2926.1	1215.0	838.0	806.0	848.0	880.0	858.0	803.0	759.0	726.0	721.0
52.5°	3199.1	1306.0	824.0	771.0	815.0	872.0	858.0	800.0	742.0	712.0	707.0
55°	3485.1	1411.0	808.0	729.0	778.0	874.0	865.0	779.0	729.0	713.0	709.0
57.5°	3840.1	1537.0	779.0	680.0	745.0	856.0	837.0	767.0	720.0	707.0	703.0
60°	4301.1	1724.0	724.0	630.0	707.0	824.0	812.0	747.0	696.0	685.0	682.0
62.5°	5031.1	2041.0	657.0	582.0	662.0	757.0	775.0	709.0	666.0	665.0	664.0
65°	6221.1	2422.0	578.0	539.0	615.0	702.0	726.0	670.0	635.0	646.0	645.0
67.5°	7055.1	2455.0	513.0	494.0	560.0	642.0	677.0	630.0	592.0	613.0	612.0
70°	6462.1	1915.0	457.0	447.0	501.0	577.0	624.0	580.0	542.0	562.0	558.0
72.5°	5450.1	1468.0	404.0	398.0	441.0	509.0	556.0	530.0	490.0	490.0	481.0
75°	4380.1	1211.0	348.0	345.0	374.0	440.0	493.0	449.0	412.0	410.0	404.0
77.5°	2512.0	794.0	292.0	290.0	299.0	368.0	383.0	374.0	346.0	333.0	329.0
80°	1001.0	413.0	230.0	217.0	226.0	270.0	302.0	287.0	263.0	247.0	238.0
82.5°	388.0	207.0	162.0	142.0	155.0	195.0	219.0	214.0	198.0	162.0	152.0
85°	158.0	101.0	97.0	82.0	90.0	105.0	126.0	109.0	90.0	64.0	61.0
87.5°	42.0	37.0	36.0	22.0	17.0	5.0	1.0	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)