

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: P634916

Luminaire Tested: GWS-SA3C-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634916
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-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13963.1 lumens
Efficiency: N/A
Efficacy: 150.1 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

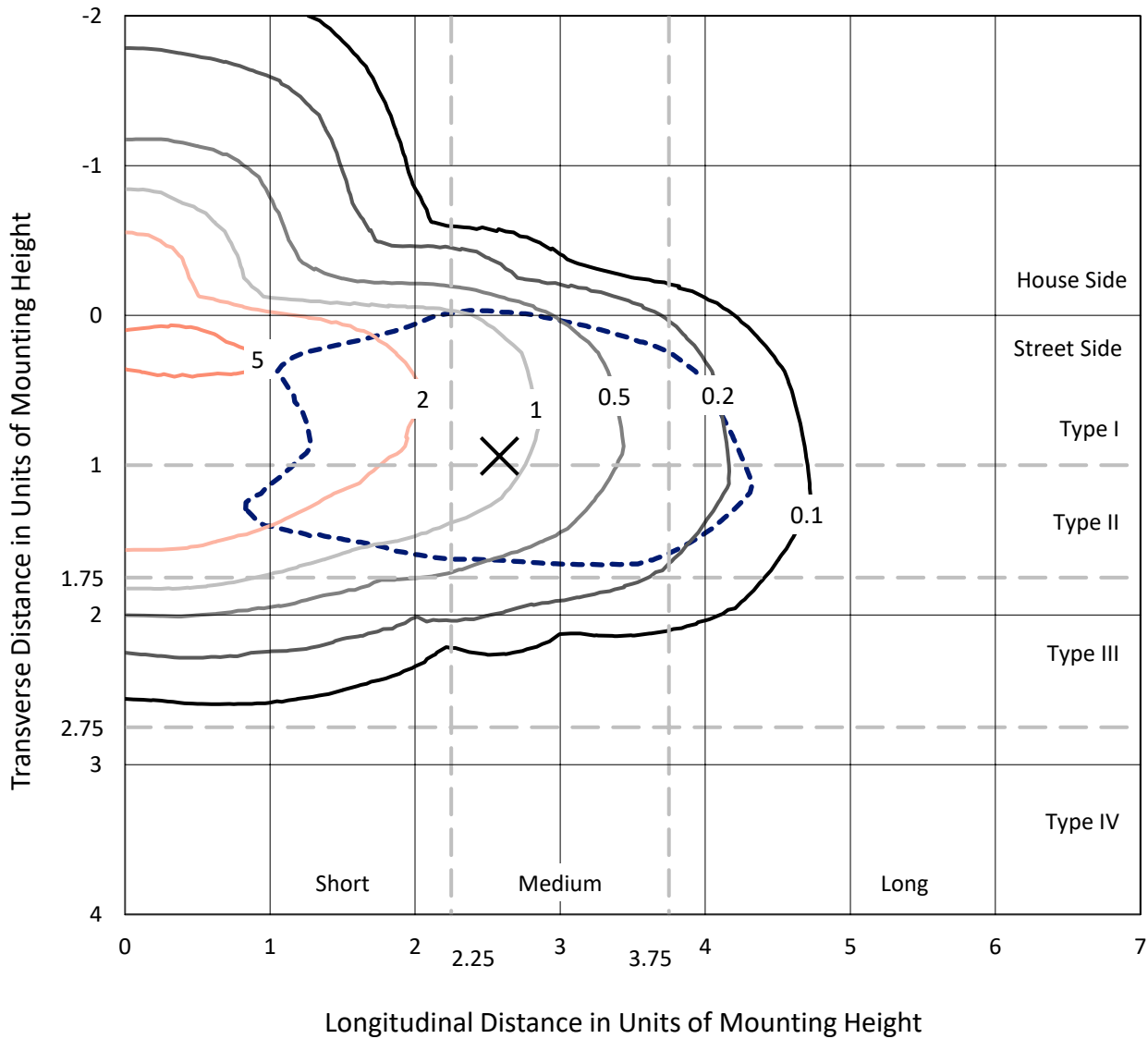
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

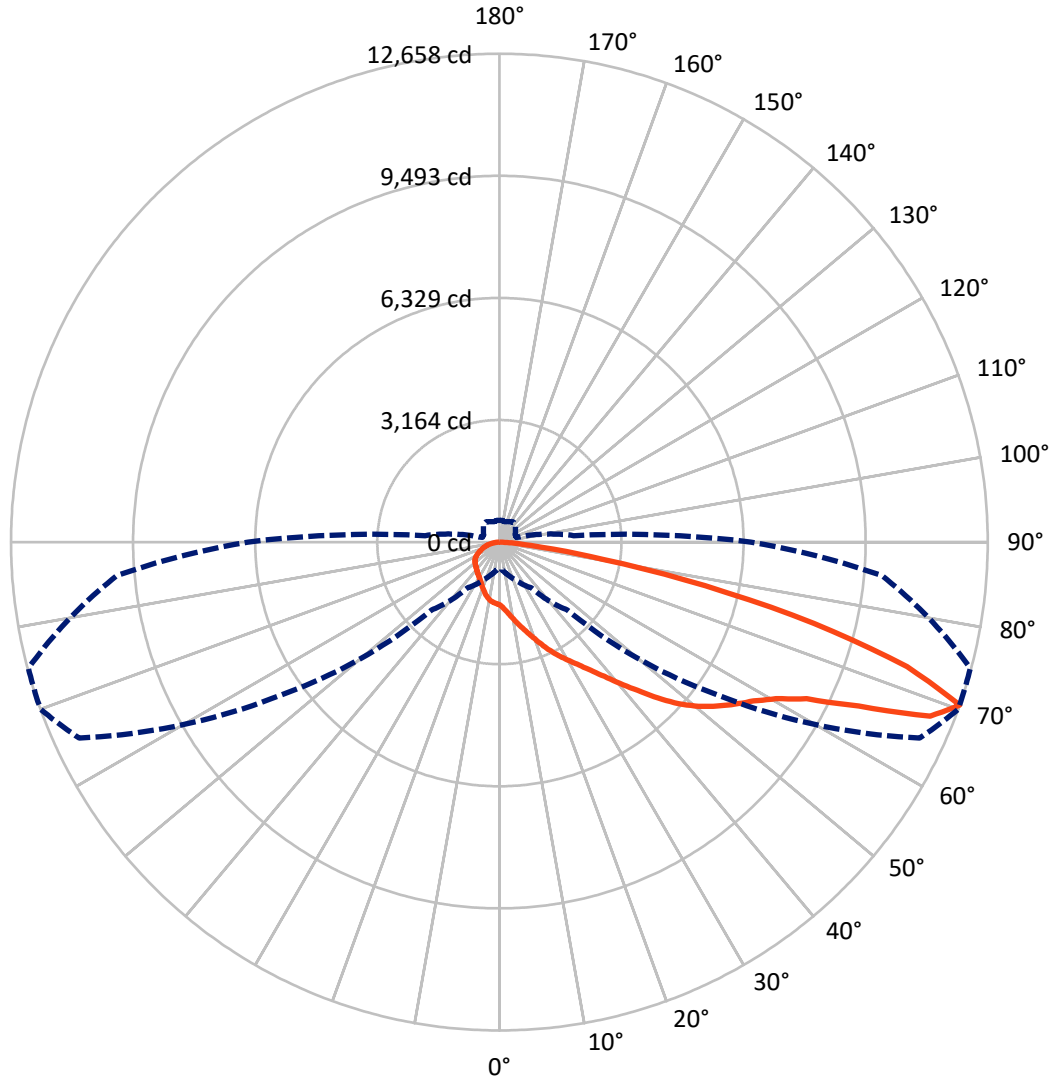
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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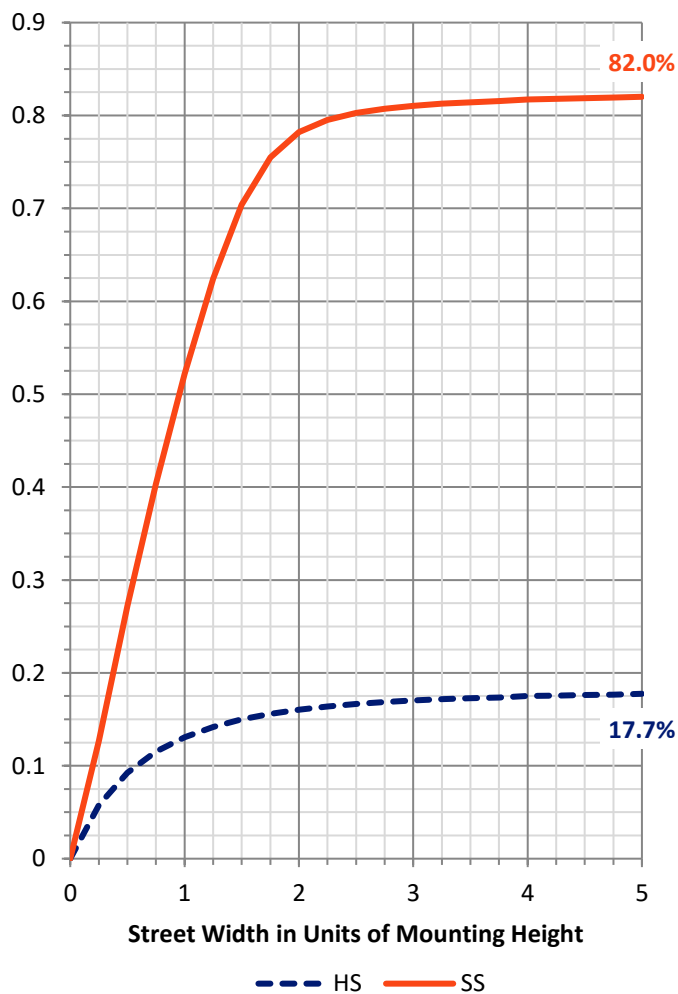
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2502.2	0.0	2502.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	11460.9	0.0	11460.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	13963.1	0.0	13963.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.5	1.2
10°-20°	538.4	3.9
20°-30°	953.8	6.8
30°-40°	1435.5	10.3
40°-50°	2171.7	15.6
50°-60°	3111.1	22.3
60°-70°	3438.9	24.6
70°-80°	1940.7	13.9
80°-90°	207.6	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°	13963.1	100.0
0°-180°	13963.1	100.0

Coefficient of Utilization



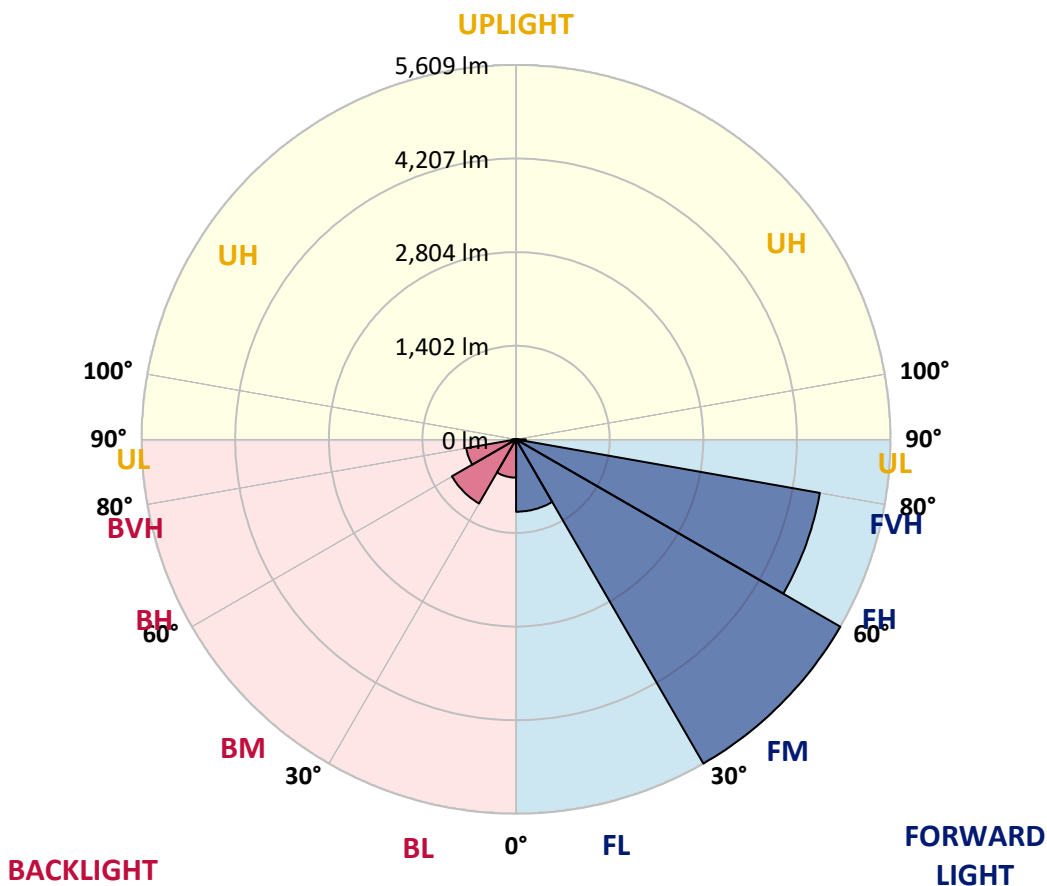
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1084.0	7.8			
FM (30°-60°)	5609.0	40.2			
FH (60°-80°)	4621.2	33.1			G2/5000
FVH (80°-90°)	146.7	1.1			G2/225
BL (0°-30°)	573.7	4.1	B2/1000		
BM (30°-60°)	1109.3	7.9	B2/2500		
BH (60°-80°)	758.4	5.4	B2/1000		G2/1000
BVH (80°-90°)	60.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4
2.5°	1803.9	1800.9	1802.9	1800.9	1789.8	1762.6	1740.4	1712.1	1693.0	1681.9	1655.6
5°	2015.8	2012.8	2005.7	1995.6	1975.5	1938.1	1882.6	1821.1	1783.8	1755.5	1700.0
7.5°	2168.2	2168.2	2167.1	2155.0	2140.9	2101.6	2036.0	1955.3	1900.8	1852.4	1761.6
10°	2245.8	2250.9	2257.9	2275.1	2272.1	2250.9	2189.3	2102.6	2034.0	1977.5	1842.3
12.5°	2288.2	2291.2	2303.3	2338.7	2375.0	2380.0	2343.7	2252.9	2178.2	2102.6	1932.1
15°	2342.7	2343.7	2359.8	2402.2	2455.7	2509.2	2500.1	2409.3	2332.6	2248.9	2032.0
17.5°	2385.1	2392.1	2421.4	2470.8	2537.4	2611.1	2655.5	2599.0	2504.1	2408.3	2140.9
20°	2400.2	2405.3	2443.6	2519.3	2610.1	2714.0	2812.9	2797.7	2701.9	2588.9	2264.0
22.5°	2454.7	2454.7	2482.9	2546.5	2653.4	2804.8	2965.2	3004.5	2919.8	2787.6	2396.2
25°	2574.7	2570.7	2583.8	2610.1	2690.8	2877.4	3115.5	3233.6	3138.7	2990.4	2528.3
27.5°	2739.2	2737.2	2736.2	2740.2	2767.5	2941.0	3242.6	3447.5	3352.6	3185.1	2646.4
30°	2917.8	2911.7	2924.8	2912.7	2906.7	3016.7	3350.6	3639.2	3565.5	3377.8	2744.2
32.5°	3160.9	3149.8	3146.8	3107.5	3083.2	3134.7	3437.4	3857.1	3798.6	3585.7	2854.2
35°	3481.8	3471.7	3420.2	3357.7	3286.0	3310.2	3545.3	4070.0	4074.0	3846.0	2998.5
37.5°	3805.6	3807.6	3767.3	3620.0	3546.3	3532.2	3709.8	4329.2	4416.0	4156.7	3185.1
40°	4075.0	4087.1	4087.1	3931.7	3821.8	3808.6	3940.8	4637.0	4809.5	4538.1	3421.2
42.5°	4279.8	4290.9	4326.2	4214.2	4098.2	4143.6	4221.3	4945.7	5255.4	5009.3	3719.9
45°	4504.8	4513.9	4533.0	4468.5	4400.9	4522.0	4539.1	5315.0	5765.9	5537.9	4066.9
47.5°	4803.4	4795.4	4797.4	4750.0	4697.5	4893.2	4889.2	5625.7	6259.3	6117.0	4443.3
50°	5174.7	5189.9	5175.7	5081.9	5020.4	5198.9	5222.1	5969.7	6693.1	6690.1	4822.6
52.5°	5531.9	5537.9	5612.6	5616.6	5490.5	5453.2	5513.7	6316.8	7059.4	7214.7	5186.8
55°	5550.0	5573.2	5797.2	5958.6	6162.4	5862.8	5808.3	6647.7	7413.5	7728.3	5565.2
57.5°	5163.6	5200.9	5581.3	5929.4	6496.4	6566.0	6312.8	7075.5	7767.6	8233.7	6003.0
60°	4338.3	4416.0	4932.6	5465.3	6346.1	7071.5	7344.9	7656.6	8232.7	8750.3	6534.7
62.5°	2770.5	2800.7	3525.1	4417.0	5669.1	7022.0	8468.8	8680.7	8941.0	9423.3	7354.0
65°	1387.3	1484.1	1908.9	2636.3	4088.1	6187.7	9036.8	10556.3	10237.4	10575.4	8681.7
67.5°	941.3	972.6	1187.5	1584.0	2397.2	4383.7	8684.7	12136.2	12042.4	12097.9	10097.2
70°	694.1	714.3	883.8	1121.9	1449.8	2489.0	6914.1	12017.2	12657.8	12637.7	9948.9
72.5°	506.5	516.6	644.7	856.6	1074.5	1287.4	4222.3	9707.8	11049.6	11631.8	8700.9
75°	368.3	380.4	448.0	640.7	835.4	803.1	2084.4	7011.9	8426.4	9546.3	7088.6
77.5°	274.4	289.6	320.8	401.5	585.2	575.1	901.0	4553.2	5450.2	6235.1	4306.0
80°	197.7	200.8	218.9	257.3	371.3	337.0	428.8	2374.0	2722.0	2982.3	1687.9
82.5°	120.1	123.1	146.3	158.4	230.0	211.9	223.0	768.8	1101.7	1169.3	630.6
85°	35.3	37.3	66.6	72.6	95.8	90.8	89.8	312.8	373.3	477.2	248.2
87.5°	0.0	0.0	0.0	0.0	1.0	6.1	11.1	55.5	83.7	116.0	60.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4	1628.4
2.5°	1645.5	1622.3	1610.2	1589.0	1573.9	1558.8	1543.6	1529.5	1523.5	1514.4	1516.4
5°	1674.8	1638.5	1602.2	1560.8	1525.5	1496.2	1470.0	1446.8	1436.7	1427.6	1431.6
7.5°	1719.2	1664.7	1595.1	1519.4	1463.9	1423.6	1396.3	1380.2	1375.1	1368.1	1368.1
10°	1775.7	1694.0	1571.9	1463.9	1397.3	1365.1	1353.0	1351.9	1357.0	1358.0	1356.0
12.5°	1838.2	1722.2	1537.6	1398.4	1341.9	1331.8	1340.8	1358.0	1375.1	1384.2	1382.2
15°	1902.8	1740.4	1479.1	1335.8	1301.5	1314.6	1343.9	1378.2	1411.5	1428.6	1427.6
17.5°	1963.3	1744.4	1403.4	1275.3	1266.2	1299.5	1349.9	1403.4	1448.8	1473.0	1474.0
20°	2030.9	1737.3	1325.7	1220.8	1230.9	1285.4	1351.9	1416.5	1470.0	1494.2	1500.3
22.5°	2092.5	1713.1	1250.0	1169.3	1200.6	1268.2	1335.8	1396.3	1443.8	1467.0	1475.0
25°	2148.0	1666.7	1167.3	1125.9	1177.4	1244.0	1295.4	1337.8	1371.1	1385.2	1396.3
27.5°	2178.2	1597.1	1104.8	1091.6	1155.2	1209.7	1237.9	1251.1	1262.2	1258.1	1266.2
30°	2184.3	1510.3	1050.3	1064.4	1121.9	1162.3	1168.3	1155.2	1136.0	1104.8	1111.8
32.5°	2178.2	1410.5	1004.9	1035.1	1084.6	1108.8	1100.7	1066.4	1020.0	971.6	974.6
35°	2180.3	1309.6	967.5	1002.9	1041.2	1054.3	1034.1	986.7	937.3	892.9	890.9
37.5°	2202.5	1224.8	936.3	971.6	998.8	1000.8	978.6	929.2	904.0	870.7	866.7
40°	2264.0	1162.3	908.0	940.3	957.5	956.5	931.2	895.9	913.1	902.0	898.9
42.5°	2364.9	1123.9	884.8	907.0	919.1	921.1	901.0	878.8	916.1	902.0	896.9
45°	2527.3	1121.9	868.7	873.7	892.9	907.0	892.9	867.7	881.8	813.2	800.1
47.5°	2720.0	1156.2	856.6	844.5	877.8	903.0	880.8	840.4	811.2	748.6	739.5
50°	2952.1	1225.8	845.5	813.2	855.6	887.8	865.6	810.2	765.8	732.5	727.4
52.5°	3227.5	1317.6	831.3	777.9	822.3	879.8	865.6	807.1	748.6	718.3	713.3
55°	3516.1	1423.6	815.2	735.5	784.9	881.8	872.7	785.9	735.5	719.4	715.3
57.5°	3874.2	1550.7	785.9	686.1	751.6	863.6	844.5	773.8	726.4	713.3	709.3
60°	4339.3	1739.4	730.5	635.6	713.3	831.3	819.2	753.7	702.2	691.1	688.1
62.5°	5075.8	2059.2	662.9	587.2	667.9	763.7	781.9	715.3	671.9	670.9	669.9
65°	6276.5	2443.6	583.2	543.8	620.5	708.3	732.5	676.0	640.7	651.8	650.7
67.5°	7117.9	2476.9	517.6	498.4	565.0	647.7	683.0	635.6	597.3	618.5	617.5
70°	6519.6	1932.1	461.1	451.0	505.5	582.1	629.6	585.2	546.8	567.0	563.0
72.5°	5498.6	1481.1	407.6	401.5	444.9	513.5	561.0	534.7	494.4	494.4	485.3
75°	4419.0	1221.8	351.1	348.1	377.3	443.9	497.4	453.0	415.7	413.7	407.6
77.5°	2534.4	801.1	294.6	292.6	301.7	371.3	386.4	377.3	349.1	336.0	331.9
80°	1009.9	416.7	232.1	218.9	228.0	272.4	304.7	289.6	265.3	249.2	240.1
82.5°	391.5	208.8	163.4	143.3	156.4	196.7	221.0	215.9	199.8	163.4	153.4
85°	159.4	101.9	97.9	82.7	90.8	105.9	127.1	110.0	90.8	64.6	61.5
87.5°	42.4	37.3	36.3	22.2	17.2	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)