

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: P631779

Luminaire Tested: GWS-SA2B-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631779
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-SA2B-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5674.8 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

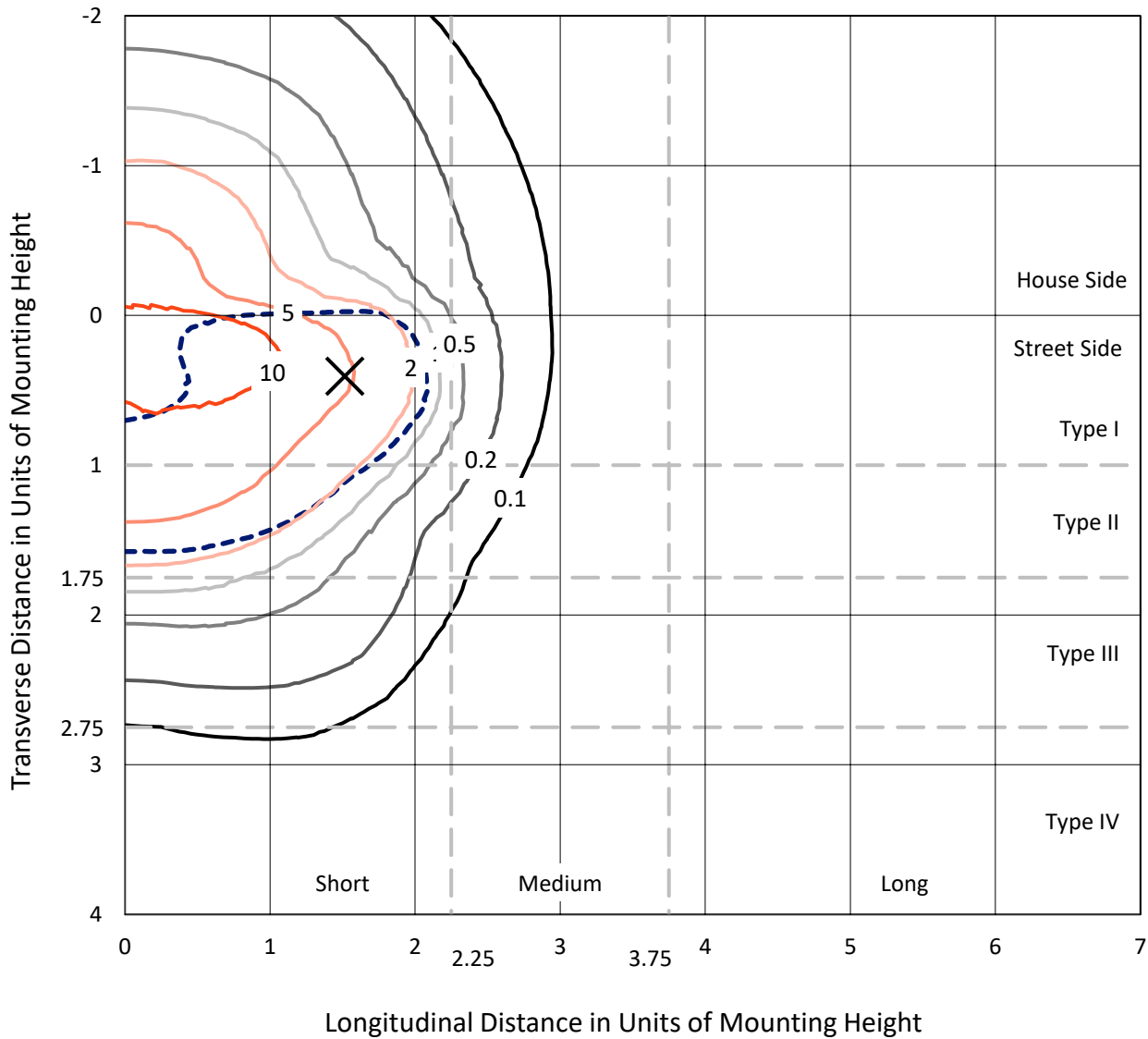
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

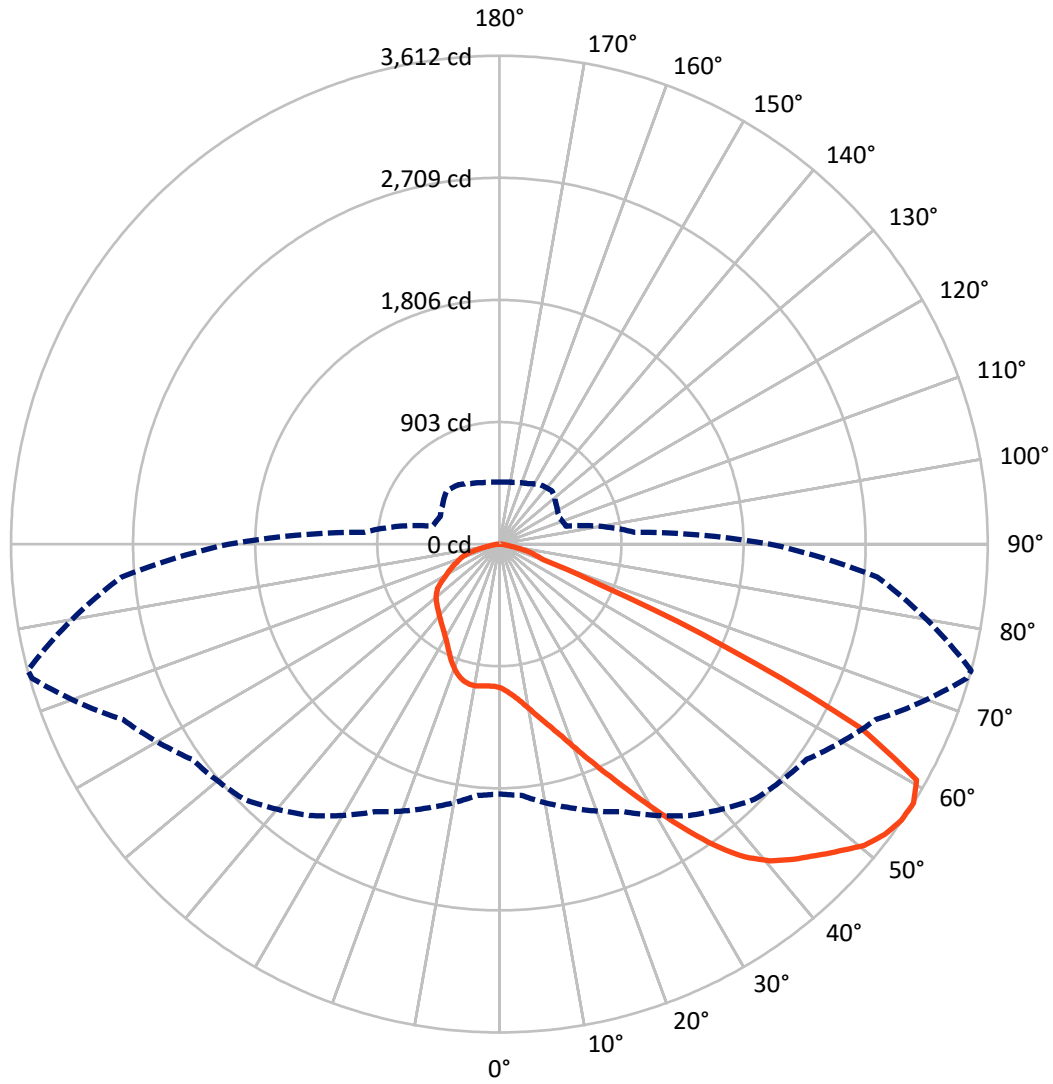
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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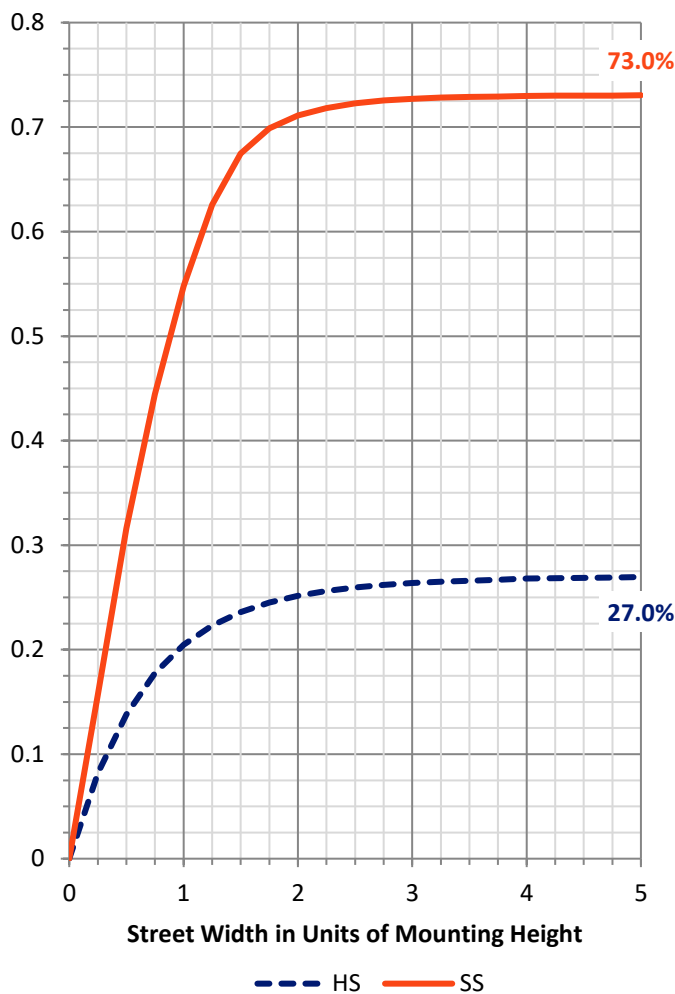
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1535.1	0.0	1535.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	4139.7	0.0	4139.7
	% Fixture	72.9	0.0	72.9
Total	Lumens	5674.8	0.0	5674.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	1.9
10°-20°	338.6	6.0
20°-30°	600.5	10.6
30°-40°	919.2	16.2
40°-50°	1280.0	22.6
50°-60°	1466.6	25.8
60°-70°	753.6	13.3
70°-80°	189.7	3.3
80°-90°	20.3	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°	5674.8	100.0
0°-180°	5674.8	100.0

Coefficient of Utilization



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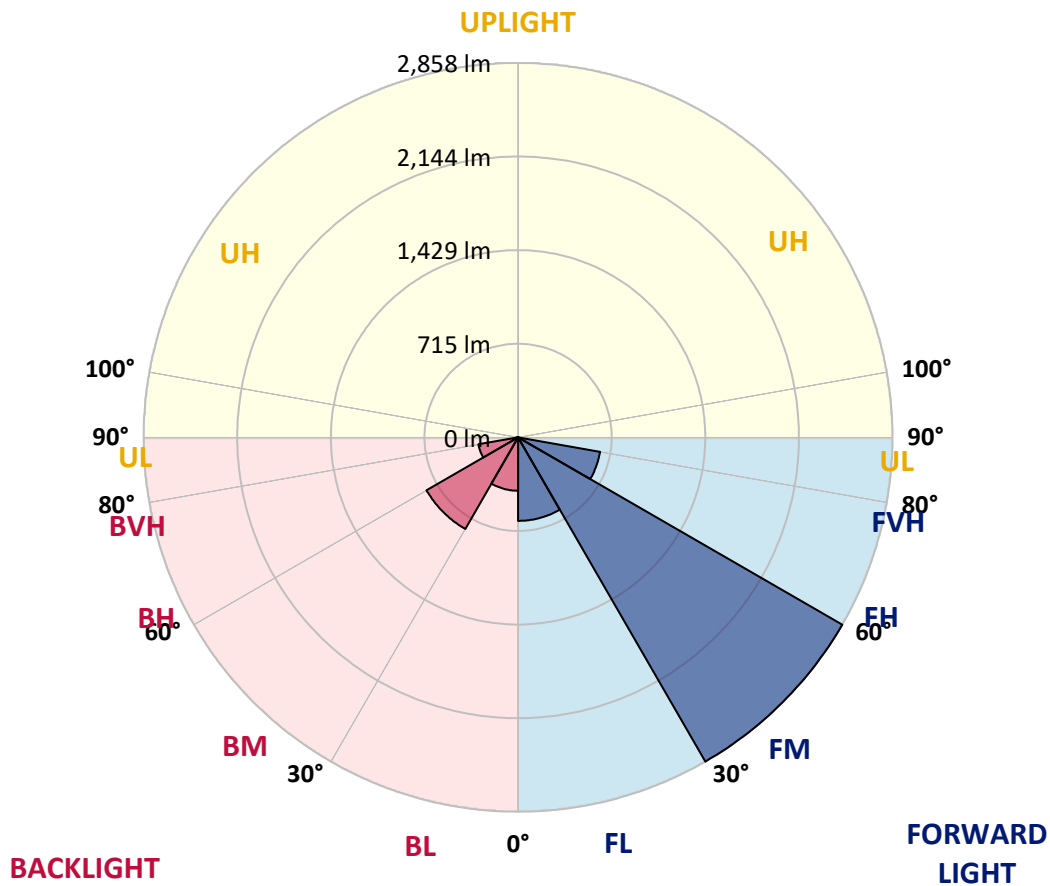
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.6	11.2			
FM (30°-60°)	2858.5	50.4			
FH (60°-80°)	636.1	11.2			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	407.8	7.2	B1/500		
BM (30°-60°)	807.3	14.2	B1/1000		
BH (60°-80°)	307.2	5.4	B1/500		G1/500
BVH (80°-90°)	12.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8
2.5°	1141.8	1144.7	1141.8	1146.7	1136.9	1132.5	1121.8	1105.7	1093.0	1091.1	1076.9
5°	1230.6	1237.0	1233.0	1231.1	1217.9	1208.2	1192.1	1159.9	1133.5	1129.6	1101.8
7.5°	1287.7	1292.1	1292.1	1293.6	1288.7	1277.5	1260.4	1222.3	1185.2	1179.4	1137.4
10°	1306.7	1310.1	1316.5	1328.7	1338.4	1341.9	1330.6	1294.0	1248.7	1242.8	1184.3
12.5°	1311.1	1315.0	1324.8	1347.2	1374.1	1398.5	1400.4	1373.6	1322.8	1316.5	1238.4
15°	1319.4	1323.3	1336.5	1364.3	1403.8	1450.7	1479.5	1460.9	1404.8	1398.0	1299.9
17.5°	1318.4	1322.8	1342.3	1379.4	1432.6	1500.4	1556.1	1563.9	1505.8	1494.1	1369.7
20°	1316.0	1319.9	1340.9	1386.3	1452.1	1545.3	1645.9	1686.4	1623.9	1613.2	1451.2
22.5°	1335.5	1339.9	1356.0	1393.6	1462.4	1580.0	1728.8	1826.4	1763.9	1748.8	1544.8
25°	1379.4	1385.8	1395.5	1421.4	1480.9	1610.7	1813.7	1985.0	1921.1	1903.0	1646.8
27.5°	1447.3	1455.1	1468.7	1480.9	1522.4	1649.8	1898.1	2162.6	2098.7	2079.6	1754.7
30°	1530.2	1540.5	1558.0	1566.3	1594.6	1707.3	1989.9	2345.6	2308.5	2282.1	1876.2
32.5°	1644.9	1659.0	1675.6	1678.1	1695.1	1794.7	2080.6	2527.1	2526.6	2508.1	2014.3
35°	1794.2	1809.3	1812.7	1816.1	1824.4	1914.7	2190.4	2692.5	2756.4	2735.0	2164.5
37.5°	1957.2	1979.1	1984.5	1969.4	1981.1	2059.1	2313.9	2825.2	2956.5	2933.6	2310.0
40°	2131.4	2140.1	2154.8	2130.9	2145.5	2224.6	2434.9	2910.1	3105.8	3081.4	2424.6
42.5°	2256.3	2272.4	2294.3	2285.6	2293.9	2366.1	2519.8	2951.1	3212.2	3187.8	2507.1
45°	2391.9	2396.8	2411.0	2409.0	2413.9	2481.2	2580.8	2969.2	3307.3	3285.4	2577.3
47.5°	2510.0	2517.3	2526.6	2515.9	2505.1	2549.0	2630.5	2984.8	3417.1	3390.8	2651.0
50°	2623.7	2630.0	2641.3	2610.0	2570.0	2581.3	2654.9	3006.3	3520.1	3501.5	2709.1
52.5°	2644.7	2651.5	2704.2	2710.6	2659.3	2619.8	2697.9	3053.6	3580.6	3568.9	2730.1
55°	2380.7	2392.9	2497.8	2618.3	2744.7	2732.0	2766.7	3078.5	3604.5	3607.4	2767.6
57.5°	1847.9	1865.4	2018.6	2184.1	2450.0	2670.1	2775.5	3072.1	3596.2	3612.3	2806.2
60°	1212.1	1222.3	1403.8	1589.3	1864.9	2169.4	2484.2	2957.9	3522.5	3545.4	2796.4
62.5°	731.9	743.6	889.5	1030.1	1192.5	1396.0	1684.9	2377.3	2952.6	3003.8	2239.7
65°	510.9	526.5	654.3	770.0	826.1	784.1	853.4	1327.7	1839.6	1861.0	1368.7
67.5°	370.4	381.1	486.0	623.6	685.6	553.8	422.1	588.0	801.2	809.0	564.6
70°	242.5	254.7	349.9	474.8	559.7	448.9	315.7	318.1	337.2	341.1	327.9
72.5°	133.2	140.5	216.2	315.2	330.8	268.4	246.4	264.5	277.6	277.6	281.1
75°	68.8	75.1	88.3	103.9	125.4	146.9	177.6	204.5	218.6	219.6	218.1
77.5°	35.1	37.6	47.3	51.2	56.1	65.4	84.9	108.8	121.5	126.4	125.4
80°	16.6	17.6	20.0	23.4	28.8	36.6	45.9	54.7	62.5	63.4	68.8
82.5°	8.8	9.8	10.7	12.7	15.6	19.5	26.8	32.2	37.1	38.1	42.5
85°	3.4	3.9	4.4	4.9	6.8	8.3	11.2	15.1	18.5	18.5	22.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.4	3.4	3.4	5.9
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°	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8	1062.8
2.5°	1073.5	1059.3	1053.0	1042.7	1034.5	1025.2	1017.9	1012.5	1009.1	1007.1	1005.2
5°	1091.1	1069.6	1052.5	1032.0	1017.9	1004.2	993.0	985.2	981.3	978.3	976.4
7.5°	1118.4	1089.6	1057.4	1025.7	1000.8	978.8	964.7	956.4	951.0	949.1	947.6
10°	1156.0	1115.9	1062.8	1012.5	975.4	951.5	941.7	937.8	938.3	937.4	936.9
12.5°	1198.4	1143.8	1061.3	989.1	948.1	933.9	934.4	940.8	948.1	950.0	950.5
15°	1244.3	1171.1	1047.1	958.8	926.6	928.1	940.8	955.9	969.6	974.9	975.9
17.5°	1294.0	1194.0	1021.3	925.6	909.0	924.7	948.1	973.0	993.0	1001.8	1004.2
20°	1349.7	1213.5	984.7	892.9	892.5	918.3	952.5	985.2	1010.5	1022.3	1024.2
22.5°	1408.7	1225.7	939.8	862.7	875.4	910.0	949.1	983.2	1010.1	1021.8	1024.2
25°	1468.2	1229.6	890.5	834.9	857.8	896.9	932.5	959.8	985.2	995.4	997.4
27.5°	1523.9	1218.4	843.7	811.0	841.7	877.3	901.2	915.9	933.4	941.3	942.7
30°	1580.5	1196.0	804.1	791.9	823.7	850.5	861.2	862.2	869.0	869.0	870.0
32.5°	1637.6	1162.8	769.5	773.4	801.2	818.8	820.2	809.0	800.7	787.1	786.6
35°	1703.4	1129.1	741.2	752.4	774.9	785.6	781.2	759.7	739.7	717.3	716.3
37.5°	1764.4	1094.5	717.3	730.9	745.1	752.9	742.7	716.8	700.2	677.3	673.9
40°	1814.7	1063.2	694.4	708.5	715.3	722.2	705.6	684.6	687.0	674.3	673.9
42.5°	1844.0	1033.0	672.9	683.6	688.0	692.9	678.2	662.6	675.8	666.1	666.5
45°	1865.4	1006.6	653.4	657.3	668.0	675.3	661.7	644.1	647.0	609.4	600.7
47.5°	1889.8	992.0	634.8	630.9	649.9	662.6	641.7	616.3	598.7	561.6	558.2
50°	1915.7	986.6	615.3	604.6	627.5	639.7	615.3	583.6	560.7	540.6	538.7
52.5°	1924.5	986.1	590.9	572.9	595.8	612.9	592.4	560.2	532.8	513.3	512.3
55°	1959.1	1000.3	559.7	529.4	550.9	586.0	570.9	524.5	502.6	493.8	492.8
57.5°	1999.6	1002.7	510.4	482.1	511.9	553.3	534.3	494.3	470.4	459.6	458.7
60°	1983.0	942.7	457.7	446.0	478.7	522.6	505.0	470.4	442.6	432.3	431.3
62.5°	1511.2	665.6	419.1	414.8	443.1	478.2	474.8	438.7	412.3	405.0	404.0
65°	909.0	467.5	382.1	381.6	401.6	435.3	439.6	410.4	382.6	372.3	372.3
67.5°	449.4	357.7	340.1	337.7	350.3	374.3	392.8	368.9	345.5	335.7	334.2
70°	317.7	315.2	309.4	302.5	305.0	314.7	322.5	302.5	277.6	267.9	265.9
72.5°	274.7	275.2	271.3	265.9	264.0	257.1	250.3	235.7	220.6	210.3	211.3
75°	213.2	214.2	216.6	214.7	209.3	202.0	194.7	176.1	164.0	154.2	152.2
77.5°	124.4	129.3	137.1	135.2	136.1	125.9	123.0	104.9	93.7	86.9	85.4
80°	70.3	73.2	76.6	79.0	76.1	71.7	65.4	55.6	52.2	47.3	46.4
82.5°	42.5	45.4	46.8	48.8	47.8	42.0	37.1	30.7	27.8	25.4	24.9
85°	21.5	23.4	24.9	25.9	22.9	19.0	17.1	13.7	11.7	10.2	10.2
87.5°	5.4	5.9	6.8	5.9	5.4	2.4	2.0	0.5	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)