

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: P632109

Luminaire Tested: GWS-SA2C-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632109
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-SA2C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5683.8 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

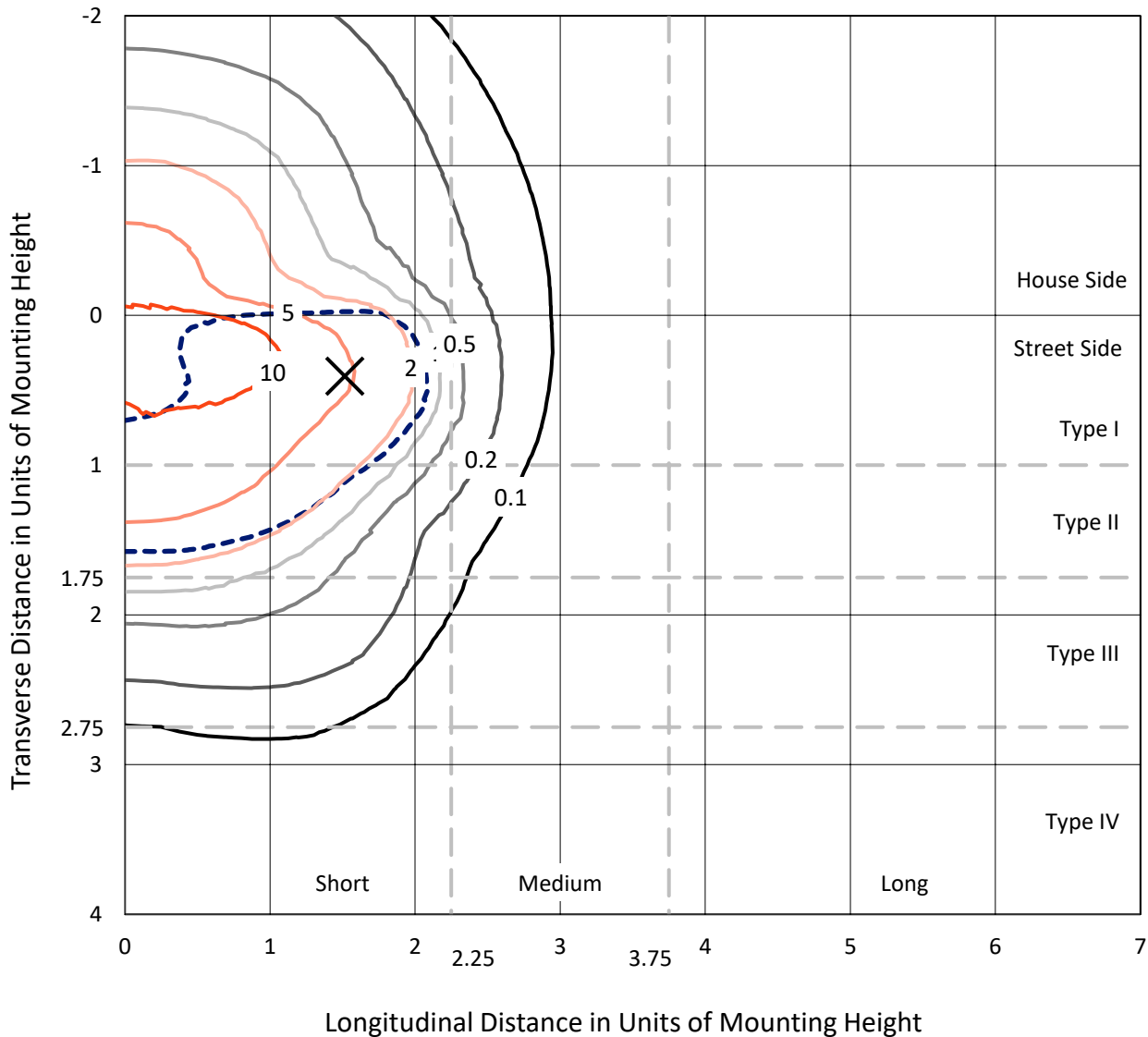
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

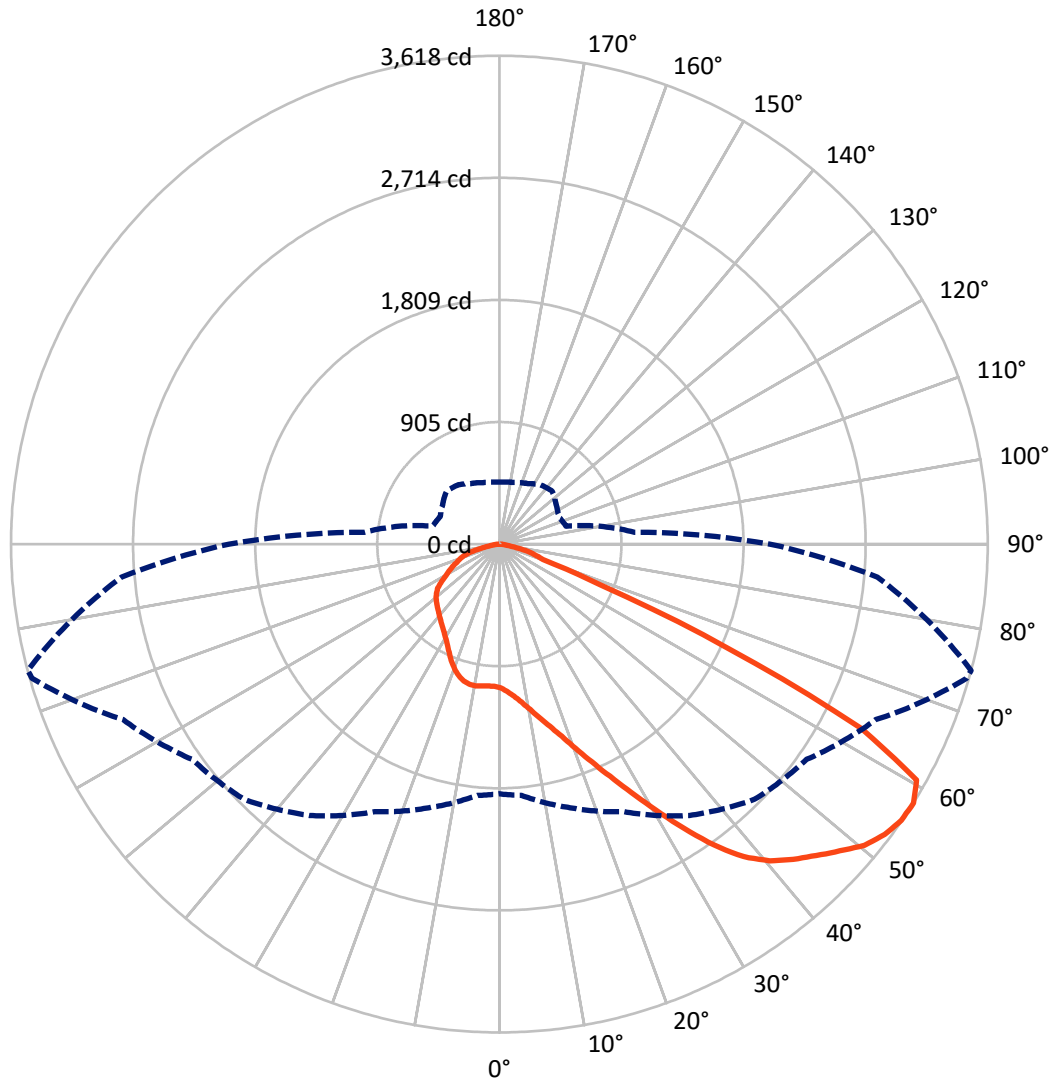
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 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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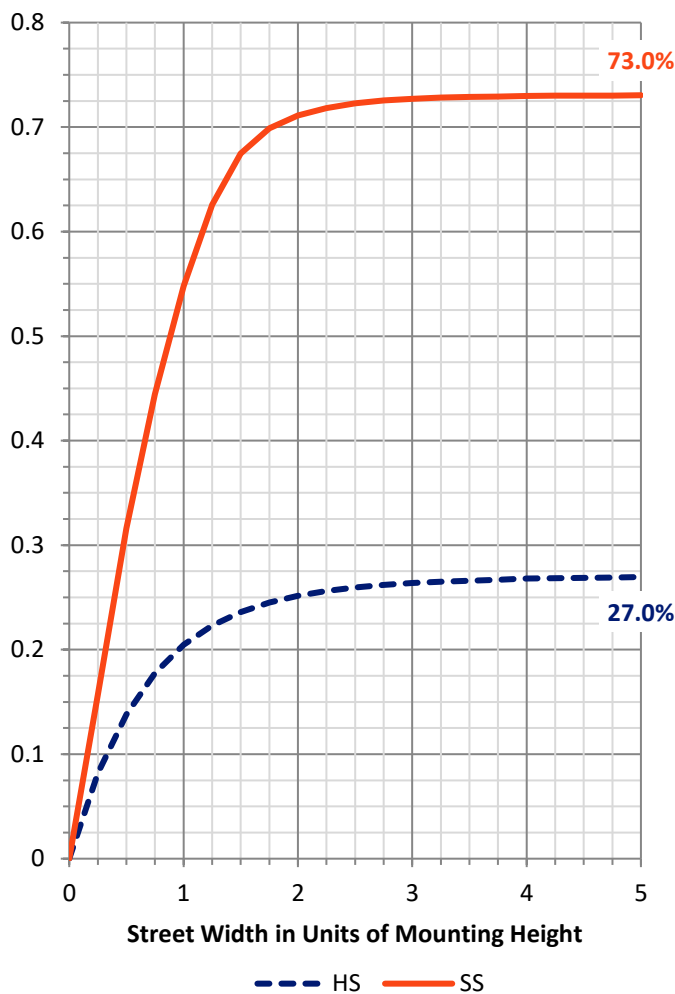
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1537.6	0.0	1537.6
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	4146.2	0.0	4146.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	5683.8	0.0	5683.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	1.9
10°-20°	339.1	6.0
20°-30°	601.4	10.6
30°-40°	920.7	16.2
40°-50°	1282.0	22.6
50°-60°	1468.9	25.8
60°-70°	754.8	13.3
70°-80°	190.0	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°	5683.8	100.0
0°-180°	5683.8	100.0

Coefficient of Utilization



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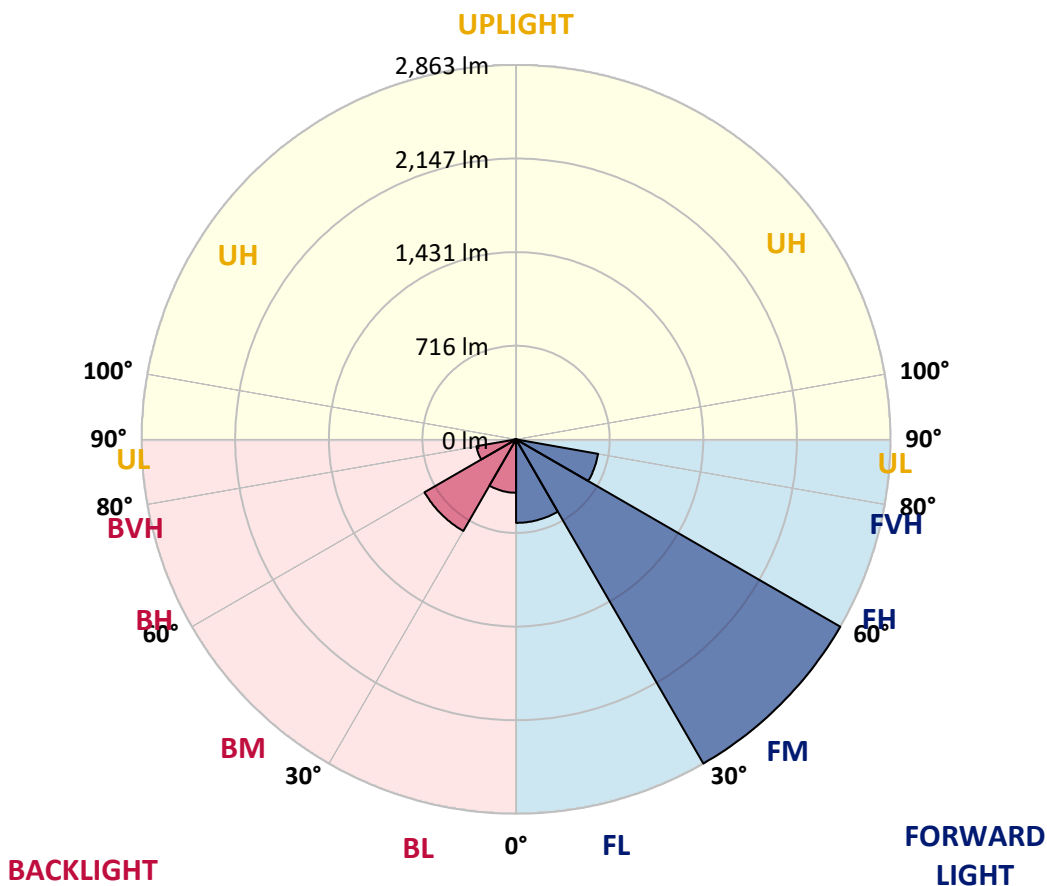
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	638.6	11.2			
FM (30°-60°)	2863.0	50.4			
FH (60°-80°)	637.1	11.2			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	408.5	7.2	B1/500		
BM (30°-60°)	808.6	14.2	B1/1000		
BH (60°-80°)	307.7	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°	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4
2.5°	1143.6	1146.5	1143.6	1148.5	1138.7	1134.3	1123.6	1107.4	1094.7	1092.8	1078.6
5°	1232.6	1238.9	1235.0	1233.0	1219.9	1210.1	1194.0	1161.7	1135.3	1131.4	1103.5
7.5°	1289.7	1294.1	1294.1	1295.6	1290.7	1279.5	1262.4	1224.3	1187.1	1181.2	1139.2
10°	1308.8	1312.2	1318.6	1330.8	1340.6	1344.0	1332.7	1296.1	1250.6	1244.8	1186.1
12.5°	1313.2	1317.1	1326.9	1349.4	1376.2	1400.7	1402.6	1375.8	1324.9	1318.6	1240.4
15°	1321.5	1325.4	1338.6	1366.5	1406.1	1453.0	1481.8	1463.2	1407.0	1400.2	1302.0
17.5°	1320.5	1324.9	1344.5	1381.6	1434.9	1502.8	1558.5	1566.4	1508.2	1496.5	1371.8
20°	1318.1	1322.0	1343.0	1388.5	1454.4	1547.8	1648.5	1689.0	1626.5	1615.7	1453.5
22.5°	1337.6	1342.0	1358.2	1395.8	1464.7	1582.5	1731.5	1829.3	1766.7	1751.6	1547.3
25°	1381.6	1388.0	1397.7	1423.7	1483.3	1613.3	1816.6	1988.1	1924.1	1906.0	1649.4
27.5°	1449.6	1457.4	1471.1	1483.3	1524.8	1652.4	1901.1	2166.0	2102.0	2082.9	1757.4
30°	1532.6	1542.9	1560.5	1568.8	1597.1	1710.0	1993.0	2349.3	2312.1	2285.8	1879.1
32.5°	1647.5	1661.7	1678.3	1680.7	1697.8	1797.5	2083.9	2531.1	2530.6	2512.0	2017.4
35°	1797.0	1812.2	1815.6	1819.0	1827.3	1917.8	2193.9	2696.8	2760.8	2739.3	2168.0
37.5°	1960.3	1982.3	1987.6	1972.5	1984.2	2062.4	2317.5	2829.7	2961.2	2938.2	2313.6
40°	2134.7	2143.5	2158.2	2134.3	2148.9	2228.1	2438.7	2914.7	3110.7	3086.3	2428.5
42.5°	2259.9	2276.0	2298.0	2289.2	2297.5	2369.8	2523.8	2955.8	3217.3	3192.8	2511.1
45°	2395.7	2400.6	2414.8	2412.8	2417.7	2485.2	2584.9	2973.9	3312.6	3290.6	2581.4
47.5°	2514.0	2521.3	2530.6	2519.9	2509.1	2553.1	2634.7	2989.5	3422.5	3396.1	2655.2
50°	2627.9	2634.2	2645.5	2614.2	2574.1	2585.3	2659.1	3011.0	3525.6	3507.1	2713.4
52.5°	2648.9	2655.7	2708.5	2714.9	2663.5	2624.0	2702.2	3058.4	3586.3	3574.5	2734.4
55°	2384.5	2396.7	2501.8	2622.5	2749.1	2736.4	2771.1	3083.4	3610.2	3613.1	2772.0
57.5°	1850.8	1868.4	2021.8	2187.5	2453.9	2674.3	2779.9	3077.0	3601.9	3618.0	2810.6
60°	1214.0	1224.3	1406.1	1591.8	1867.9	2172.9	2488.1	2962.6	3528.1	3551.1	2800.9
62.5°	733.1	744.8	890.9	1031.7	1194.4	1398.2	1687.6	2381.1	2957.3	3008.6	2243.2
65°	511.7	527.3	655.4	771.2	827.4	785.4	854.8	1329.8	1842.5	1864.0	1370.9
67.5°	370.9	381.7	486.8	624.6	686.7	554.7	422.7	588.9	802.5	810.3	565.5
70°	242.9	255.1	350.4	475.5	560.6	449.6	316.2	318.6	337.7	341.6	328.4
72.5°	133.4	140.8	216.5	315.7	331.4	268.8	246.8	264.9	278.1	278.1	281.5
75°	68.9	75.3	88.5	104.1	125.6	147.1	177.9	204.8	218.9	219.9	218.5
77.5°	35.2	37.6	47.4	51.3	56.2	65.5	85.0	109.0	121.7	126.6	125.6
80°	16.6	17.6	20.0	23.5	28.8	36.7	45.9	54.7	62.6	63.5	68.9
82.5°	8.8	9.8	10.8	12.7	15.6	19.5	26.9	32.3	37.1	38.1	42.5
85°	3.4	3.9	4.4	4.9	6.8	8.3	11.2	15.2	18.6	18.6	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°	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4	1064.4
2.5°	1075.2	1061.0	1054.7	1044.4	1036.1	1026.8	1019.5	1014.1	1010.7	1008.7	1006.8
5°	1092.8	1071.3	1054.2	1033.6	1019.5	1005.8	994.6	986.7	982.8	979.9	977.9
7.5°	1120.2	1091.3	1059.1	1027.3	1002.4	980.4	966.2	957.9	952.5	950.6	949.1
10°	1157.8	1117.7	1064.4	1014.1	977.0	953.0	943.2	939.3	939.8	938.8	938.3
12.5°	1200.3	1145.6	1063.0	990.6	949.6	935.4	935.9	942.3	949.6	951.5	952.0
15°	1246.2	1172.9	1048.8	960.3	928.1	929.6	942.3	957.4	971.1	976.5	977.4
17.5°	1296.1	1195.9	1022.9	927.1	910.5	926.1	949.6	974.5	994.6	1003.3	1005.8
20°	1351.8	1215.5	986.2	894.4	893.9	919.8	954.0	986.7	1012.1	1023.9	1025.8
22.5°	1410.9	1227.7	941.3	864.1	876.8	911.5	950.6	984.8	1011.7	1023.4	1025.8
25°	1470.6	1231.6	891.9	836.2	859.2	898.3	934.0	961.3	986.7	997.0	999.0
27.5°	1526.3	1220.3	845.0	812.3	843.0	878.7	902.7	917.3	934.9	942.7	944.2
30°	1583.0	1197.9	805.4	793.2	825.0	851.8	862.6	863.6	870.4	870.4	871.4
32.5°	1640.2	1164.6	770.7	774.6	802.5	820.1	821.5	810.3	802.0	788.3	787.8
35°	1706.1	1130.9	742.4	753.6	776.1	786.8	782.4	760.9	740.9	718.4	717.4
37.5°	1767.2	1096.2	718.4	732.1	746.3	754.1	743.8	717.9	701.3	678.3	674.9
40°	1817.6	1064.9	695.5	709.6	716.5	723.3	706.7	685.7	688.1	675.4	674.9
42.5°	1846.9	1034.6	673.9	684.7	689.1	694.0	679.3	663.7	676.9	667.1	667.6
45°	1868.4	1008.2	654.4	658.3	669.1	676.4	662.7	645.1	648.0	610.4	601.6
47.5°	1892.8	993.6	635.8	631.9	651.0	663.7	642.7	617.3	599.7	562.5	559.1
50°	1918.7	988.2	616.3	605.5	628.5	640.7	616.3	584.5	561.5	541.5	539.6
52.5°	1927.5	987.7	591.8	573.8	596.7	613.8	593.3	561.1	533.7	514.1	513.2
55°	1962.2	1001.9	560.6	530.3	551.8	587.0	571.8	525.4	503.4	494.6	493.6
57.5°	2002.8	1004.3	511.2	482.9	512.7	554.2	535.2	495.1	471.1	460.4	459.4
60°	1986.2	944.2	458.4	446.7	479.4	523.4	505.8	471.1	443.3	433.0	432.0
62.5°	1513.6	666.6	419.8	415.4	443.8	478.9	475.5	439.4	413.0	405.6	404.7
65°	910.5	468.2	382.7	382.2	402.2	435.9	440.3	411.0	383.2	372.9	372.9
67.5°	450.1	358.2	340.6	338.2	350.9	374.9	393.4	369.5	346.0	336.2	334.8
70°	318.2	315.7	309.9	303.0	305.5	315.2	323.0	303.0	278.1	268.3	266.4
72.5°	275.2	275.6	271.7	266.4	264.4	257.6	250.7	236.1	220.9	210.6	211.6
75°	213.6	214.5	217.0	215.0	209.7	202.3	195.0	176.4	164.2	154.4	152.5
77.5°	124.6	129.5	137.3	135.4	136.4	126.1	123.2	105.1	93.8	87.0	85.5
80°	70.4	73.3	76.7	79.2	76.2	71.8	65.5	55.7	52.3	47.4	46.4
82.5°	42.5	45.5	46.9	48.9	47.9	42.0	37.1	30.8	27.9	25.4	24.9
85°	21.5	23.5	24.9	25.9	23.0	19.1	17.1	13.7	11.7	10.3	10.3
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)