

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: P632329

Luminaire Tested: GWS-SA2C-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632329
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7716.3 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

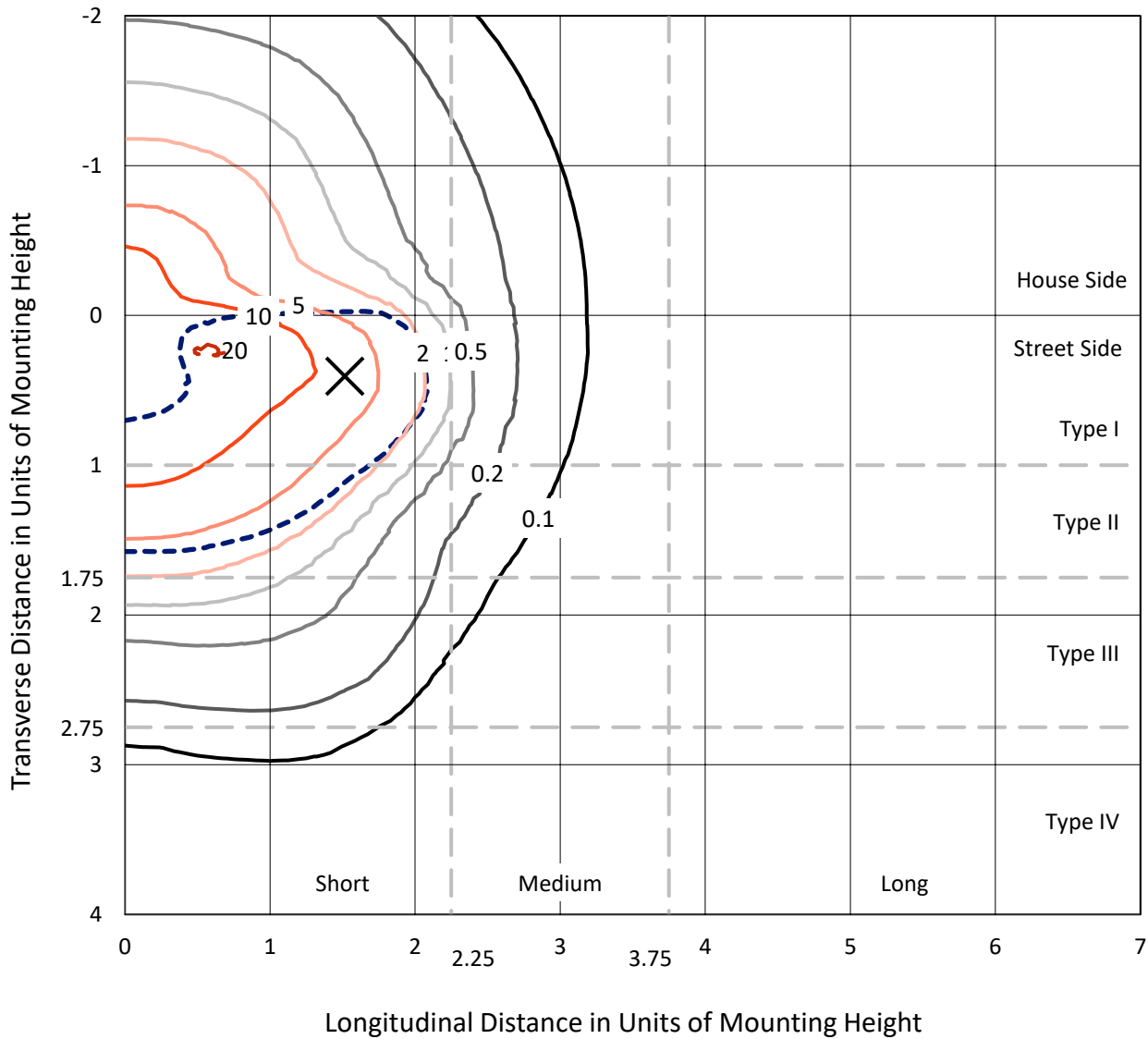
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

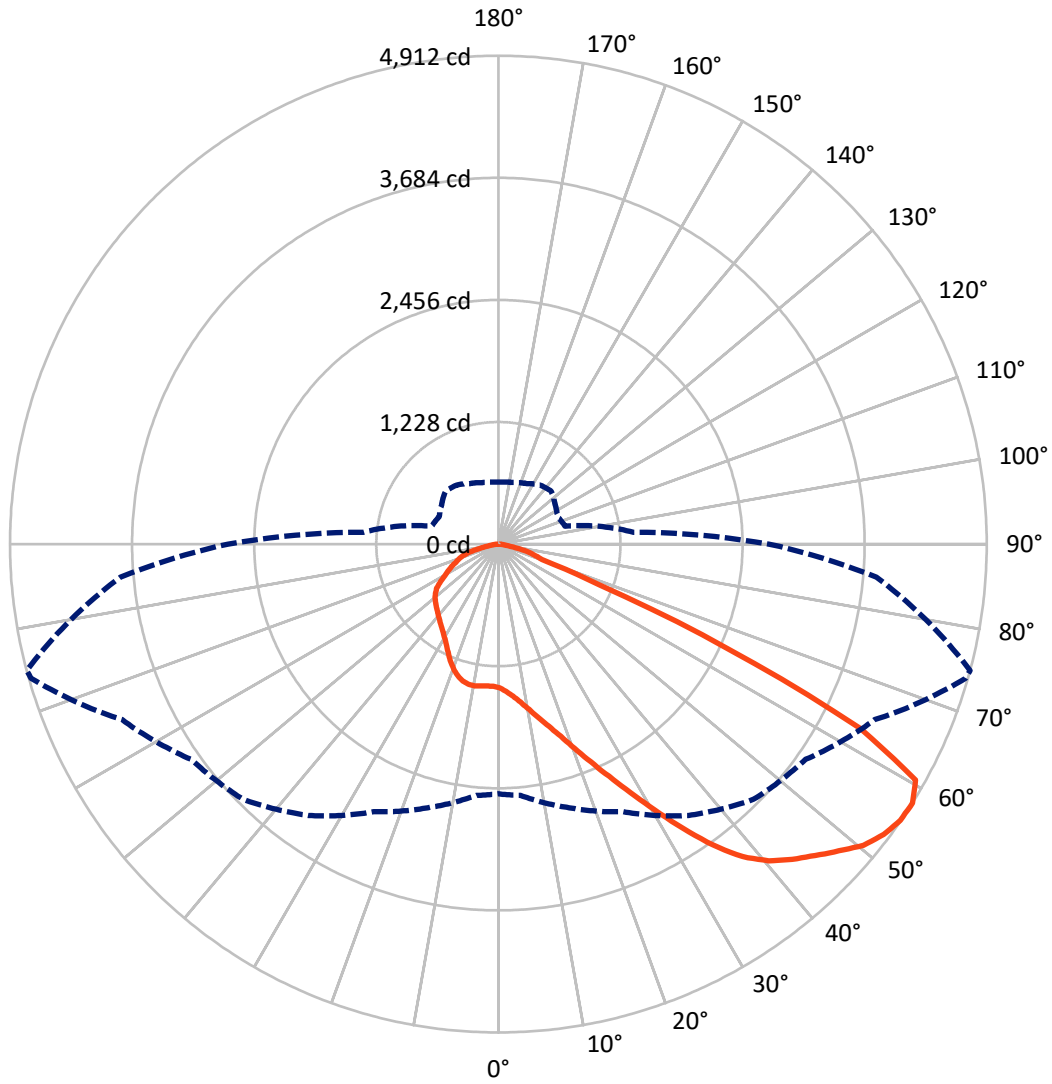
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.5 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	2087.4	0.0	2087.4
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	5628.9	0.0	5628.9
	% Fixture	72.9	0.0	72.9
Total	Lumens	7716.3	0.0	7716.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	1.9
10°-20°	460.4	6.0
20°-30°	816.5	10.6
30°-40°	1249.9	16.2
40°-50°	1740.4	22.6
50°-60°	1994.2	25.8
60°-70°	1024.7	13.3
70°-80°	258.0	3.3
80°-90°	27.6	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°	7716.3	100.0
0°-180°	7716.3	100.0

Coefficient of Utilization



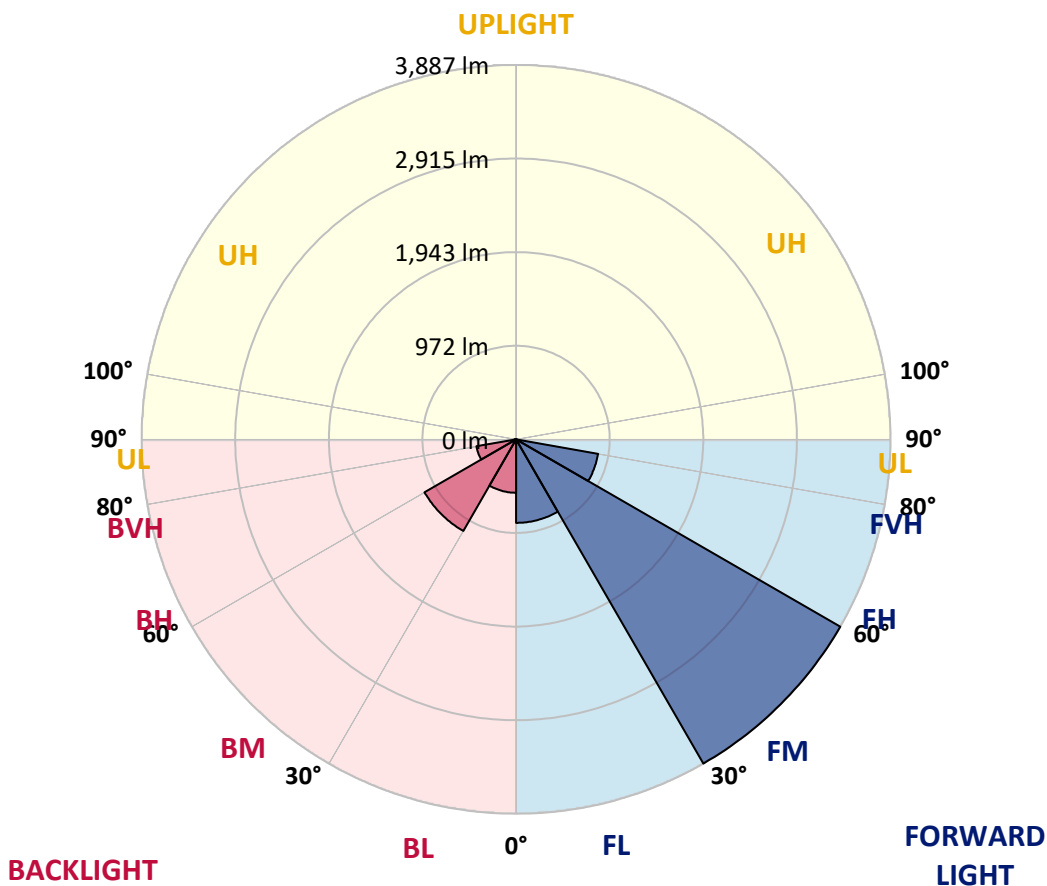
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	867.0	11.2			
FM (30°-60°)	3886.8	50.4			
FH (60°-80°)	864.9	11.2			G1/1800
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	554.5	7.2	B2/1000		
BM (30°-60°)	1097.8	14.2	B2/2500		
BH (60°-80°)	417.7	5.4	B1/500		G1/500
BVH (80°-90°)	17.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1
2.5°	1552.6	1556.5	1552.6	1559.2	1545.9	1540.0	1525.4	1503.5	1486.2	1483.6	1464.3
5°	1673.3	1681.9	1676.6	1674.0	1656.1	1642.8	1620.9	1577.1	1541.3	1536.0	1498.2
7.5°	1750.9	1756.9	1756.9	1758.9	1752.3	1737.0	1713.8	1662.0	1611.6	1603.7	1546.6
10°	1776.8	1781.5	1790.1	1806.7	1819.9	1824.6	1809.3	1759.6	1697.9	1689.9	1610.3
12.5°	1782.8	1788.1	1801.4	1831.9	1868.4	1901.6	1904.2	1867.7	1798.7	1790.1	1683.9
15°	1794.1	1799.4	1817.3	1855.1	1908.9	1972.6	2011.7	1986.5	1910.2	1900.9	1767.5
17.5°	1792.7	1798.7	1825.3	1875.7	1948.0	2040.2	2115.9	2126.5	2047.5	2031.6	1862.4
20°	1789.4	1794.7	1823.3	1885.0	1974.5	2101.3	2237.9	2293.0	2208.1	2193.5	1973.2
22.5°	1816.0	1821.9	1843.8	1894.9	1988.5	2148.4	2350.7	2483.4	2398.5	2377.9	2100.6
25°	1875.7	1884.3	1897.6	1932.7	2013.7	2190.2	2466.2	2699.1	2612.2	2587.6	2239.3
27.5°	1967.9	1978.5	1997.1	2013.7	2070.1	2243.3	2581.0	2940.6	2853.7	2827.8	2385.9
30°	2080.7	2094.6	2118.5	2129.8	2168.3	2321.5	2705.7	3189.4	3139.0	3103.1	2551.1
32.5°	2236.6	2255.9	2278.4	2281.7	2305.0	2440.3	2829.1	3436.2	3435.5	3410.3	2738.9
35°	2439.6	2460.2	2464.9	2469.5	2480.8	2603.5	2978.4	3661.1	3748.0	3718.9	2943.2
37.5°	2661.3	2691.1	2698.4	2677.8	2693.8	2799.9	3146.3	3841.6	4020.1	3988.9	3141.0
40°	2898.1	2910.1	2930.0	2897.5	2917.4	3024.8	3310.8	3957.0	4223.1	4189.9	3296.9
42.5°	3068.0	3089.9	3119.7	3107.8	3119.1	3217.3	3426.3	4012.8	4367.7	4334.6	3409.0
45°	3252.4	3259.1	3278.3	3275.6	3282.3	3373.8	3509.2	4037.3	4497.1	4467.3	3504.5
47.5°	3413.0	3422.9	3435.5	3420.9	3406.3	3466.1	3576.9	4058.6	4646.4	4610.6	3604.7
50°	3567.6	3576.2	3591.5	3549.0	3494.6	3509.9	3610.0	4087.8	4786.4	4761.2	3683.7
52.5°	3596.1	3605.4	3677.1	3685.7	3616.0	3562.3	3668.4	4152.1	4868.7	4852.8	3712.2
55°	3237.2	3253.7	3396.4	3560.3	3732.1	3714.9	3762.0	4185.9	4901.2	4905.2	3763.3
57.5°	2512.6	2536.5	2744.9	2969.8	3331.4	3630.6	3773.9	4177.3	4889.9	4911.8	3815.7
60°	1648.1	1662.0	1908.9	2161.0	2535.9	2949.9	3377.8	4022.1	4789.7	4820.9	3802.5
62.5°	995.2	1011.2	1209.5	1400.6	1621.6	1898.2	2291.0	3232.5	4014.8	4084.4	3045.4
65°	694.7	715.9	889.7	1047.0	1123.3	1066.2	1160.4	1805.4	2501.4	2530.5	1861.1
67.5°	503.6	518.2	660.8	847.9	932.2	753.1	573.9	799.5	1089.4	1100.1	767.7
70°	329.8	346.3	475.7	645.6	761.0	610.4	429.3	432.6	458.5	463.8	445.9
72.5°	181.1	191.1	293.9	428.6	449.8	364.9	335.1	359.6	377.5	377.5	382.2
75°	93.6	102.2	120.1	141.3	170.5	199.7	241.5	278.0	297.2	298.6	296.6
77.5°	47.8	51.1	64.4	69.7	76.3	88.9	115.4	148.0	165.2	171.8	170.5
80°	22.6	23.9	27.2	31.8	39.1	49.8	62.4	74.3	84.9	86.3	93.6
82.5°	11.9	13.3	14.6	17.3	21.2	26.5	36.5	43.8	50.4	51.8	57.7
85°	4.6	5.3	6.0	6.6	9.3	11.3	15.3	20.6	25.2	25.2	29.9
87.5°	0.0	0.0	0.0	0.0	0.7	1.3	2.7	3.3	4.6	4.6	8.0
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°	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1	1445.1
2.5°	1459.7	1440.4	1431.8	1417.9	1406.6	1394.0	1384.0	1376.7	1372.1	1369.4	1366.8
5°	1483.6	1454.4	1431.1	1403.3	1384.0	1365.5	1350.2	1339.6	1334.3	1330.3	1327.6
7.5°	1520.7	1481.6	1437.8	1394.7	1360.8	1331.0	1311.7	1300.4	1293.1	1290.5	1288.5
10°	1571.8	1517.4	1445.1	1376.7	1326.3	1293.8	1280.5	1275.2	1275.9	1274.6	1273.9
12.5°	1629.5	1555.2	1443.1	1344.9	1289.2	1269.9	1270.6	1279.2	1289.2	1291.8	1292.5
15°	1691.9	1592.4	1423.8	1303.8	1260.0	1262.0	1279.2	1299.8	1318.4	1325.6	1327.0
17.5°	1759.6	1623.6	1388.7	1258.6	1236.1	1257.3	1289.2	1323.0	1350.2	1362.1	1365.5
20°	1835.2	1650.1	1338.9	1214.2	1213.5	1248.7	1295.1	1339.6	1374.1	1390.0	1392.7
22.5°	1915.5	1666.7	1277.9	1173.0	1190.3	1237.4	1290.5	1336.9	1373.4	1389.3	1392.7
25°	1996.4	1672.0	1210.9	1135.2	1166.4	1219.5	1267.9	1305.1	1339.6	1353.5	1356.2
27.5°	2072.1	1656.7	1147.2	1102.7	1144.5	1193.0	1225.5	1245.4	1269.3	1279.9	1281.9
30°	2149.0	1626.2	1093.4	1076.8	1120.0	1156.5	1171.1	1172.4	1181.7	1181.7	1183.0
32.5°	2226.7	1581.1	1046.3	1051.6	1089.4	1113.3	1115.3	1100.1	1088.8	1070.2	1069.5
35°	2316.2	1535.3	1007.8	1023.1	1053.6	1068.2	1062.2	1033.1	1005.8	975.3	974.0
37.5°	2399.2	1488.2	975.3	993.9	1013.1	1023.8	1009.8	974.7	952.1	920.9	916.3
40°	2467.5	1445.7	944.1	963.4	972.7	982.0	959.4	930.9	934.2	916.9	916.3
42.5°	2507.3	1404.6	915.0	929.5	935.5	942.2	922.2	901.0	918.9	905.7	906.3
45°	2536.5	1368.8	888.4	893.7	908.3	918.3	899.7	875.8	879.8	828.7	816.8
47.5°	2569.7	1348.9	863.2	857.9	883.8	901.0	872.5	838.0	814.1	763.7	759.0
50°	2604.9	1341.6	836.7	822.1	853.2	869.8	836.7	793.5	762.3	735.1	732.5
52.5°	2616.8	1340.9	803.5	778.9	810.1	833.3	805.5	761.7	724.5	698.0	696.7
55°	2663.9	1360.2	761.0	719.9	749.1	796.8	776.3	713.3	683.4	671.5	670.1
57.5°	2719.0	1363.5	694.0	655.5	696.0	752.4	726.5	672.1	639.6	625.0	623.7
60°	2696.4	1281.9	622.4	606.4	650.9	710.6	686.7	639.6	601.8	587.9	586.5
62.5°	2054.8	905.0	569.9	564.0	602.4	650.2	645.6	596.5	560.6	550.7	549.4
65°	1236.1	635.6	519.5	518.8	546.1	591.8	597.8	558.0	520.2	506.2	506.2
67.5°	611.1	486.3	462.5	459.1	476.4	508.9	534.1	501.6	469.7	456.5	454.5
70°	431.9	428.6	420.7	411.4	414.7	428.0	438.6	411.4	377.5	364.3	361.6
72.5°	373.5	374.2	368.9	361.6	358.9	349.7	340.4	320.5	299.9	286.0	287.3
75°	289.9	291.3	294.6	291.9	284.6	274.7	264.7	239.5	222.9	209.7	207.0
77.5°	169.2	175.8	186.4	183.8	185.1	171.2	167.2	142.7	127.4	118.1	116.1
80°	95.5	99.5	104.2	107.5	103.5	97.5	88.9	75.6	71.0	64.4	63.0
82.5°	57.7	61.7	63.7	66.3	65.0	57.1	50.4	41.8	37.8	34.5	33.8
85°	29.2	31.8	33.8	35.2	31.2	25.9	23.2	18.6	15.9	13.9	13.9
87.5°	7.3	8.0	9.3	8.0	7.3	3.3	2.7	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)