

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: P634918

Luminaire Tested: GWS-SA3C-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12386.2 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

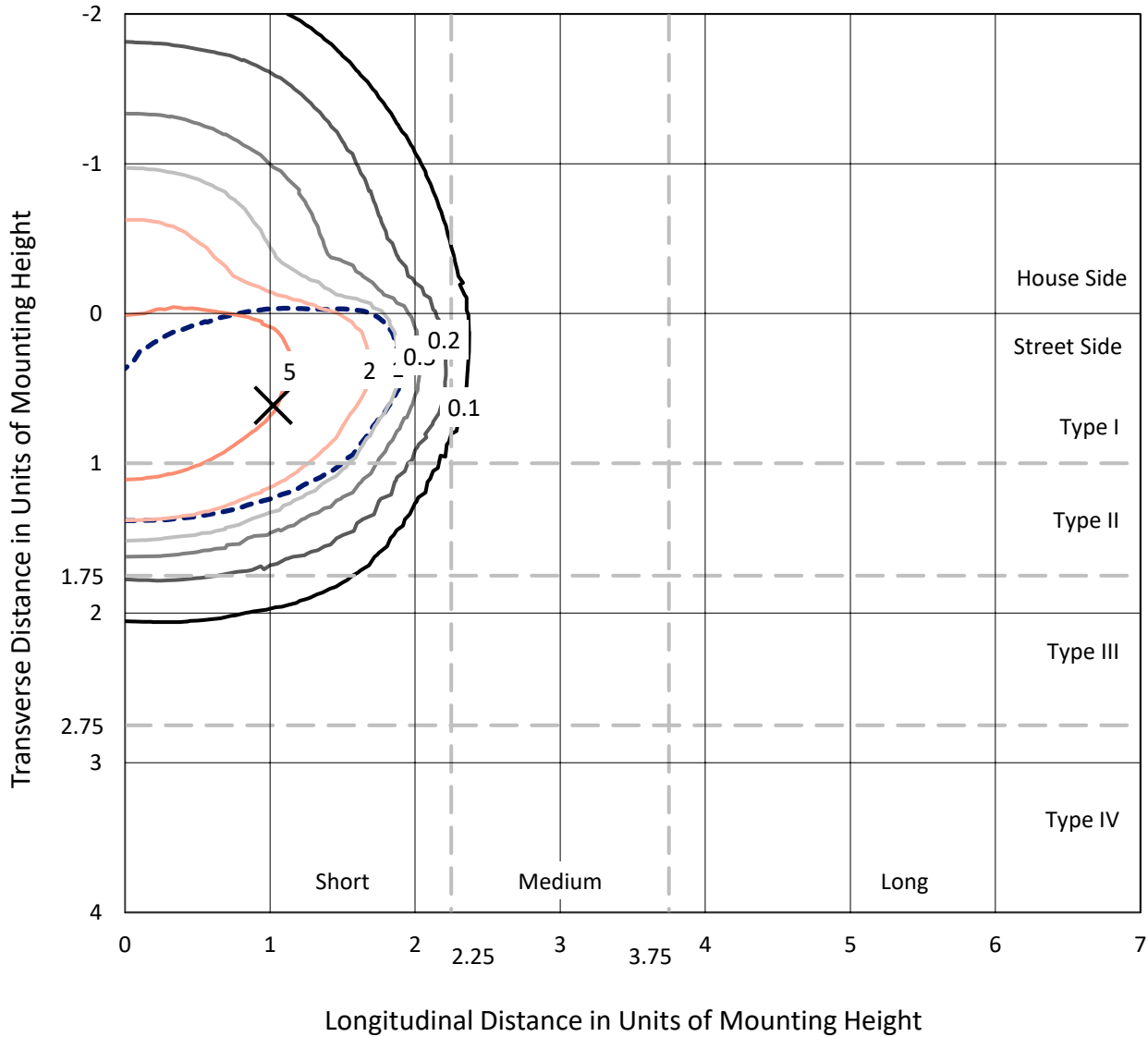
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

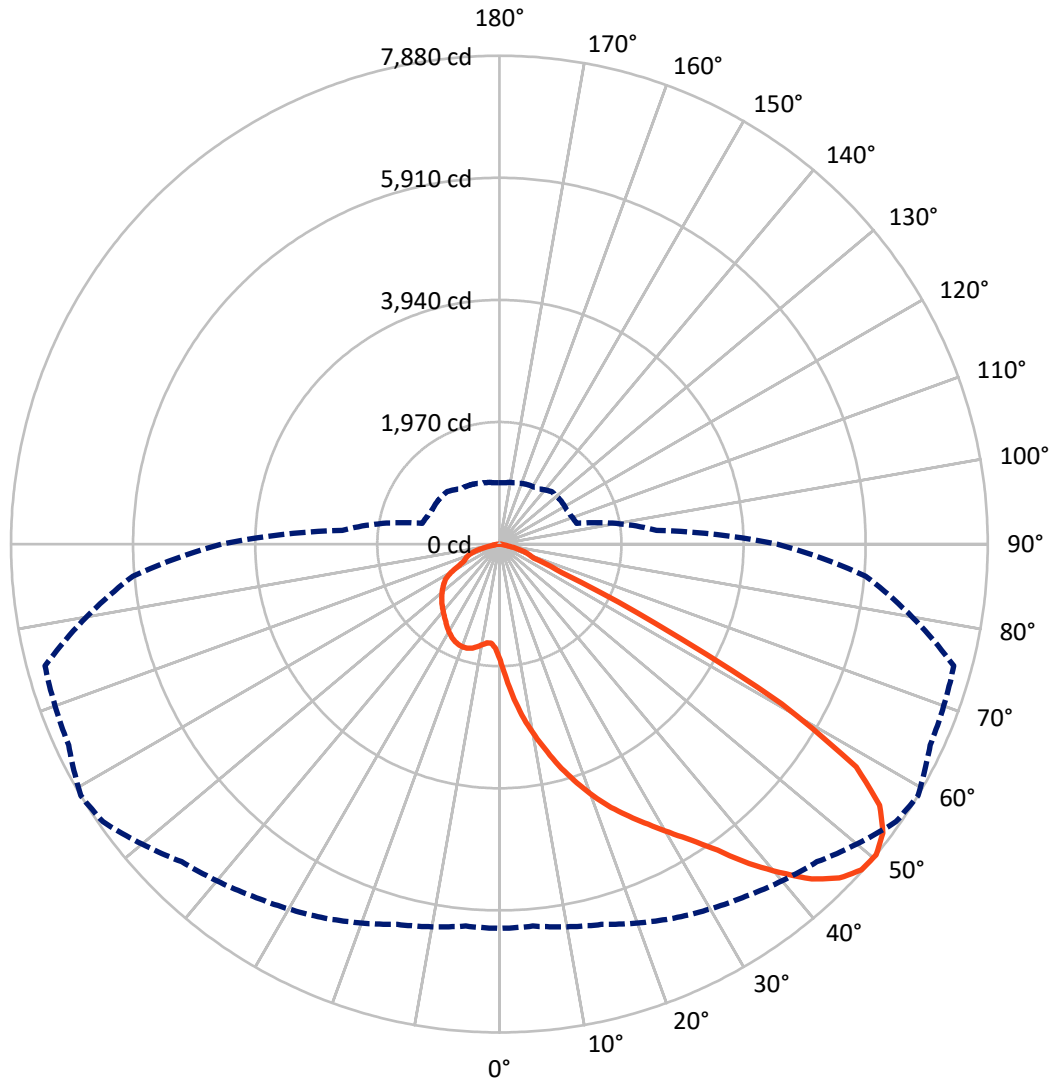
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2849.1	0.0	2849.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	9537.1	0.0	9537.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	12386.2	0.0	12386.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.5	1.7
10°-20°	764.2	6.2
20°-30°	1447.1	11.7
30°-40°	2399.8	19.4
40°-50°	3278.3	26.5
50°-60°	2975.8	24.0
60°-70°	991.0	8.0
70°-80°	289.0	2.3
80°-90°	30.4	0.2
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°	12386.2	100.0
0°-180°	12386.2	100.0

Coefficient of Utilization



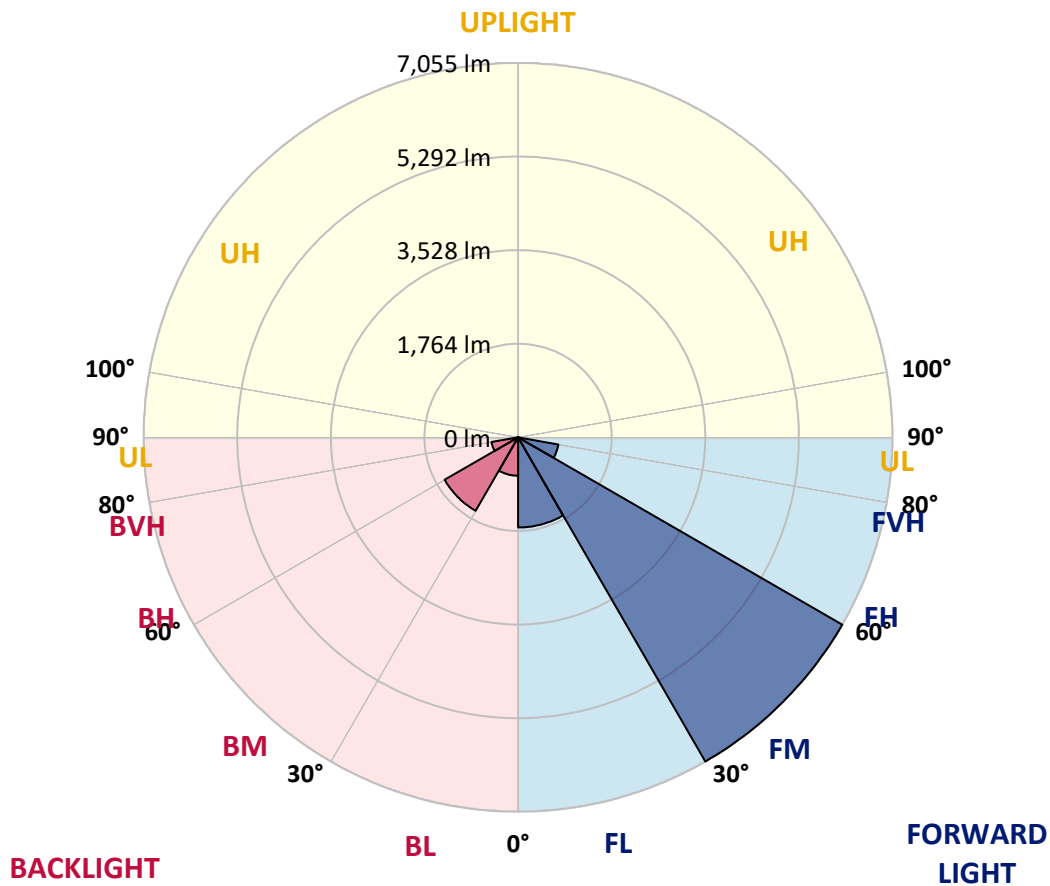
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1698.5	13.7			
FM (30°-60°)	7055.3	57.0			
FH (60°-80°)	771.5	6.2			G1/1800
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	723.4	5.8	B2/1000		
BM (30°-60°)	1598.6	12.9	B2/2500		
BH (60°-80°)	508.5	4.1	B2/1000		G2/1000
BVH (80°-90°)	18.5	0.1			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6
2.5°	2431.5	2449.7	2421.4	2423.4	2352.8	2320.5	2229.7	2176.2	2140.9	2042.1	1952.3
5°	2921.8	2900.7	2878.5	2865.3	2803.8	2717.0	2604.0	2514.2	2431.5	2237.8	2051.1
7.5°	3222.5	3211.4	3196.3	3188.2	3127.7	3036.9	2923.9	2847.2	2727.1	2464.8	2171.2
10°	3477.8	3464.6	3455.6	3461.6	3412.2	3353.7	3230.6	3142.8	3007.6	2704.9	2316.5
12.5°	3675.5	3682.6	3685.6	3717.9	3696.7	3661.4	3534.3	3441.4	3291.1	2958.2	2487.0
15°	3831.9	3829.9	3865.2	3926.7	3961.0	3938.8	3836.9	3759.2	3575.6	3207.4	2670.6
17.5°	3868.2	3870.2	3925.7	4033.7	4145.7	4200.1	4142.6	4049.8	3868.2	3453.5	2861.3
20°	3897.5	3901.5	3959.0	4082.1	4245.5	4397.9	4407.0	4340.4	4184.0	3719.9	3055.0
22.5°	4082.1	4091.2	4106.3	4184.0	4331.3	4524.0	4629.9	4615.8	4484.7	3999.4	3263.9
25°	4567.4	4540.2	4466.5	4444.3	4500.8	4657.2	4837.8	4865.0	4800.5	4307.1	3488.9
27.5°	5166.7	5137.4	5028.5	4913.5	4791.4	4845.9	5038.6	5120.3	5121.3	4646.1	3714.9
30°	5710.5	5687.3	5598.5	5434.1	5223.2	5144.5	5286.8	5396.7	5462.3	5037.6	3972.1
32.5°	6175.6	6154.4	6034.4	5900.2	5694.4	5536.0	5587.4	5693.4	5846.7	5544.0	4292.0
35°	6567.1	6545.9	6430.9	6295.7	6105.0	6010.2	5992.0	6064.6	6263.4	6072.7	4659.2
37.5°	6884.9	6863.7	6743.6	6616.5	6471.2	6477.3	6504.5	6539.8	6653.8	6638.7	5051.7
40°	7090.7	7068.5	6982.8	6892.0	6800.1	6872.8	7008.0	6965.6	7026.1	7095.8	5412.9
42.5°	7182.5	7154.3	7104.8	7084.7	7056.4	7169.4	7429.7	7387.3	7314.7	7400.5	5681.2
45°	7090.7	7066.5	7065.5	7127.0	7192.6	7337.9	7721.3	7687.0	7503.4	7547.8	5841.7
47.5°	6809.2	6788.0	6845.5	7007.0	7168.4	7380.3	7851.4	7857.5	7637.5	7609.3	5945.6
50°	6200.8	6186.7	6353.2	6658.9	6937.4	7248.1	7810.1	7879.7	7669.8	7590.1	5932.5
52.5°	4963.9	5029.5	5391.7	5902.2	6443.0	7016.1	7656.7	7747.5	7514.5	7464.0	5861.8
55°	3398.1	3428.3	3790.5	4536.1	5393.7	6513.6	7304.6	7444.8	7330.8	7442.8	5935.5
57.5°	1759.6	1783.8	2069.3	2731.2	3658.4	5147.5	6327.0	6787.0	6960.6	7549.8	6164.5
60°	722.4	742.6	860.6	1180.4	1845.3	2997.5	4553.3	5235.3	5642.9	6895.0	5474.4
62.5°	524.6	534.7	591.2	704.2	966.5	1469.0	2576.8	2828.0	3114.5	4321.2	3475.7
65°	441.9	453.0	498.4	567.0	705.2	901.0	1100.7	1106.8	1219.8	1760.6	1288.4
67.5°	370.3	380.4	420.7	479.2	570.0	639.7	591.2	592.2	590.2	638.6	617.5
70°	288.6	296.6	337.0	399.5	447.0	410.6	462.1	511.5	490.3	509.5	538.8
72.5°	210.9	219.9	255.3	302.7	290.6	292.6	374.3	424.8	412.6	433.8	461.1
75°	152.3	158.4	176.6	151.3	159.4	192.7	263.3	290.6	302.7	320.8	345.1
77.5°	49.4	49.4	55.5	69.6	86.8	106.9	134.2	145.3	163.4	183.6	200.8
80°	25.2	26.2	31.3	38.3	48.4	61.5	78.7	83.7	92.8	103.9	111.0
82.5°	12.1	13.1	15.1	19.2	25.2	32.3	43.4	48.4	54.5	61.5	66.6
85°	3.0	3.0	4.0	6.1	8.1	12.1	16.1	19.2	24.2	29.3	32.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	3.0	4.0	5.0	6.1	8.1
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°	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6	1876.6
2.5°	1911.9	1855.4	1782.8	1721.2	1664.7	1621.3	1584.0	1565.8	1548.7	1536.6	1540.6
5°	1964.4	1867.5	1732.3	1638.5	1581.0	1551.7	1531.5	1521.5	1519.4	1511.4	1508.3
7.5°	2041.1	1902.8	1722.2	1627.4	1589.1	1573.9	1562.8	1556.8	1559.8	1551.7	1548.7
10°	2135.9	1961.3	1747.5	1663.7	1630.4	1619.3	1607.2	1599.1	1595.1	1583.0	1581.0
12.5°	2253.9	2034.0	1792.9	1710.1	1676.8	1657.7	1641.5	1627.4	1618.3	1603.2	1599.1
15°	2381.1	2114.7	1846.3	1755.5	1716.2	1687.9	1661.7	1640.5	1624.4	1604.2	1601.2
17.5°	2519.3	2199.5	1890.7	1786.8	1736.4	1699.0	1660.7	1629.4	1607.2	1581.0	1578.0
20°	2663.6	2285.2	1924.0	1801.9	1737.4	1686.9	1635.5	1594.1	1565.8	1539.6	1537.6
22.5°	2812.9	2363.9	1944.2	1797.9	1721.2	1658.7	1597.1	1550.7	1517.4	1486.1	1484.1
25°	2963.2	2439.6	1949.2	1781.8	1688.9	1616.3	1554.8	1500.3	1462.9	1427.6	1423.6
27.5°	3115.6	2503.1	1937.1	1749.5	1645.6	1566.9	1505.3	1451.8	1413.5	1378.2	1372.1
30°	3278.0	2557.6	1910.9	1707.1	1595.1	1514.4	1453.9	1413.5	1377.2	1341.9	1335.8
32.5°	3451.5	2605.0	1873.6	1655.6	1536.6	1461.9	1417.5	1381.2	1344.9	1313.6	1307.6
35°	3658.4	2636.3	1818.1	1589.1	1482.1	1423.6	1393.3	1350.9	1306.6	1272.3	1269.2
37.5°	3872.2	2660.5	1751.5	1525.5	1434.7	1401.4	1376.2	1318.7	1263.2	1221.8	1216.8
40°	4079.1	2680.7	1668.8	1466.0	1391.3	1385.3	1350.9	1279.3	1183.5	1137.1	1133.0
42.5°	4271.8	2686.8	1582.0	1402.4	1352.0	1348.9	1310.6	1199.6	1126.0	1096.7	1092.7
45°	4403.9	2681.7	1492.2	1342.9	1312.6	1296.5	1256.1	1142.1	1096.7	1070.5	1065.4
47.5°	4501.8	2655.5	1391.3	1280.3	1268.2	1246.0	1159.3	1105.8	1063.4	1037.2	1032.1
50°	4484.7	2546.5	1289.4	1219.8	1214.7	1195.6	1088.6	1060.4	1023.0	994.8	990.8
52.5°	4395.9	2339.7	1185.5	1153.2	1163.3	1126.0	1038.2	1005.9	973.6	941.3	934.3
55°	4418.1	2190.4	1106.8	1088.6	1106.8	1022.0	981.7	947.4	917.1	885.8	879.8
57.5°	4514.9	2043.1	1023.0	1019.0	1038.2	942.3	909.0	865.7	822.3	797.0	797.0
60°	3791.5	1489.2	875.7	885.8	929.2	877.8	848.5	804.1	756.7	734.5	734.5
62.5°	2241.8	934.3	726.4	715.3	742.6	774.9	791.0	754.7	698.2	668.9	669.9
65°	987.7	680.0	640.7	631.6	623.5	645.7	690.1	693.1	633.6	599.3	600.3
67.5°	608.4	615.4	599.3	592.2	585.2	581.1	577.1	579.1	563.0	531.7	530.7
70°	548.9	568.0	556.9	550.9	541.8	534.7	510.5	471.2	443.9	435.9	444.9
72.5°	472.2	498.4	492.4	489.3	478.2	461.1	428.8	390.5	358.2	338.0	342.0
75°	356.1	377.3	380.4	381.4	369.3	353.1	319.8	287.5	259.3	238.1	243.2
77.5°	204.8	216.9	219.9	223.0	213.9	207.8	185.6	162.4	147.3	125.1	131.2
80°	114.0	119.1	119.1	120.1	115.0	108.0	92.8	79.7	72.6	62.6	63.6
82.5°	68.6	70.6	71.6	72.6	69.6	62.6	51.5	42.4	38.3	33.3	32.3
85°	33.3	35.3	35.3	36.3	31.3	27.2	21.2	16.1	14.1	10.1	11.1
87.5°	8.1	9.1	9.1	8.1	7.1	5.0	3.0	1.0	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)