

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: P634863

Luminaire Tested: GWS-SA3C-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634863
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12558.3 lumens
Efficiency: N/A
Efficacy: 135.0 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

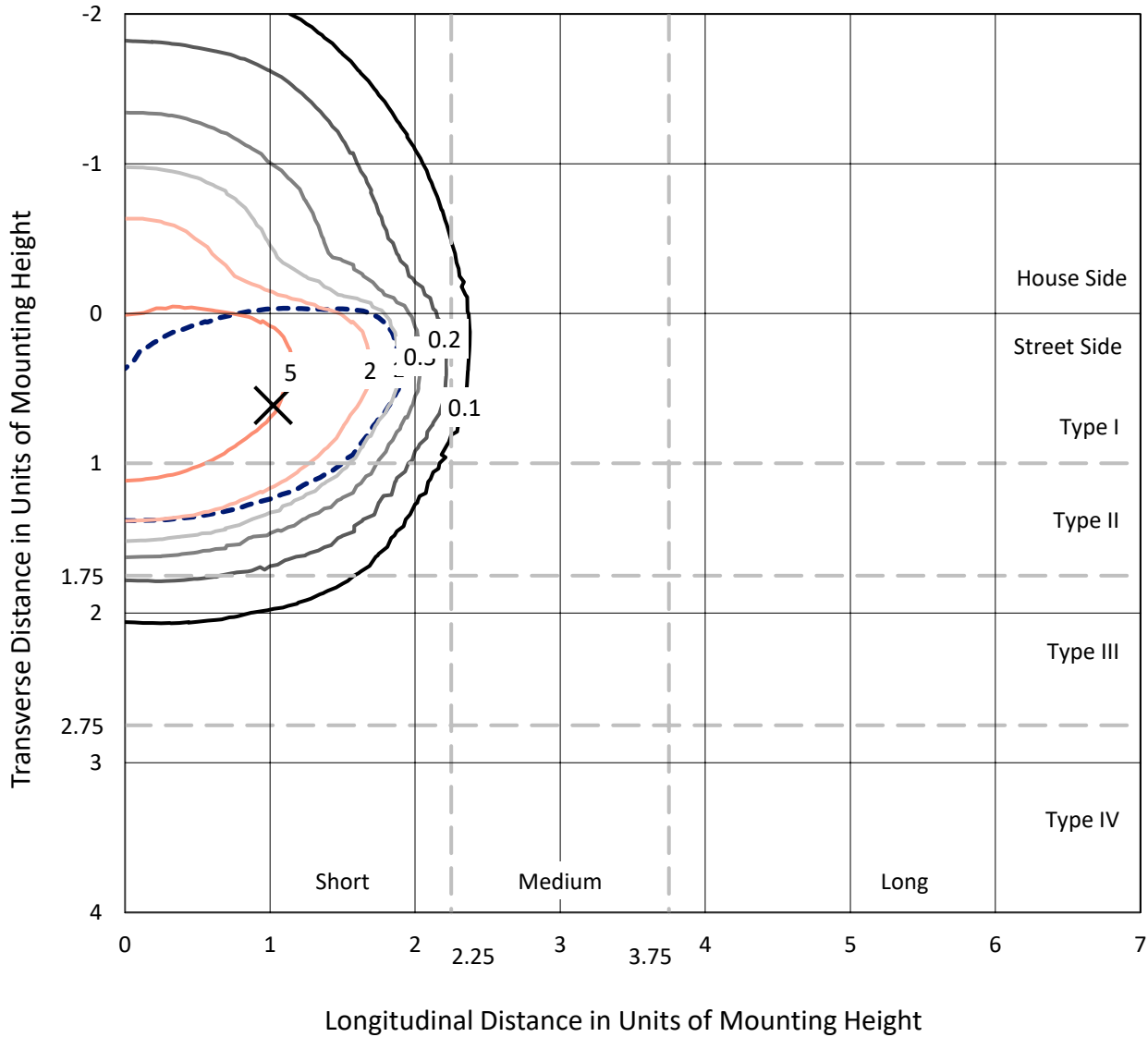
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

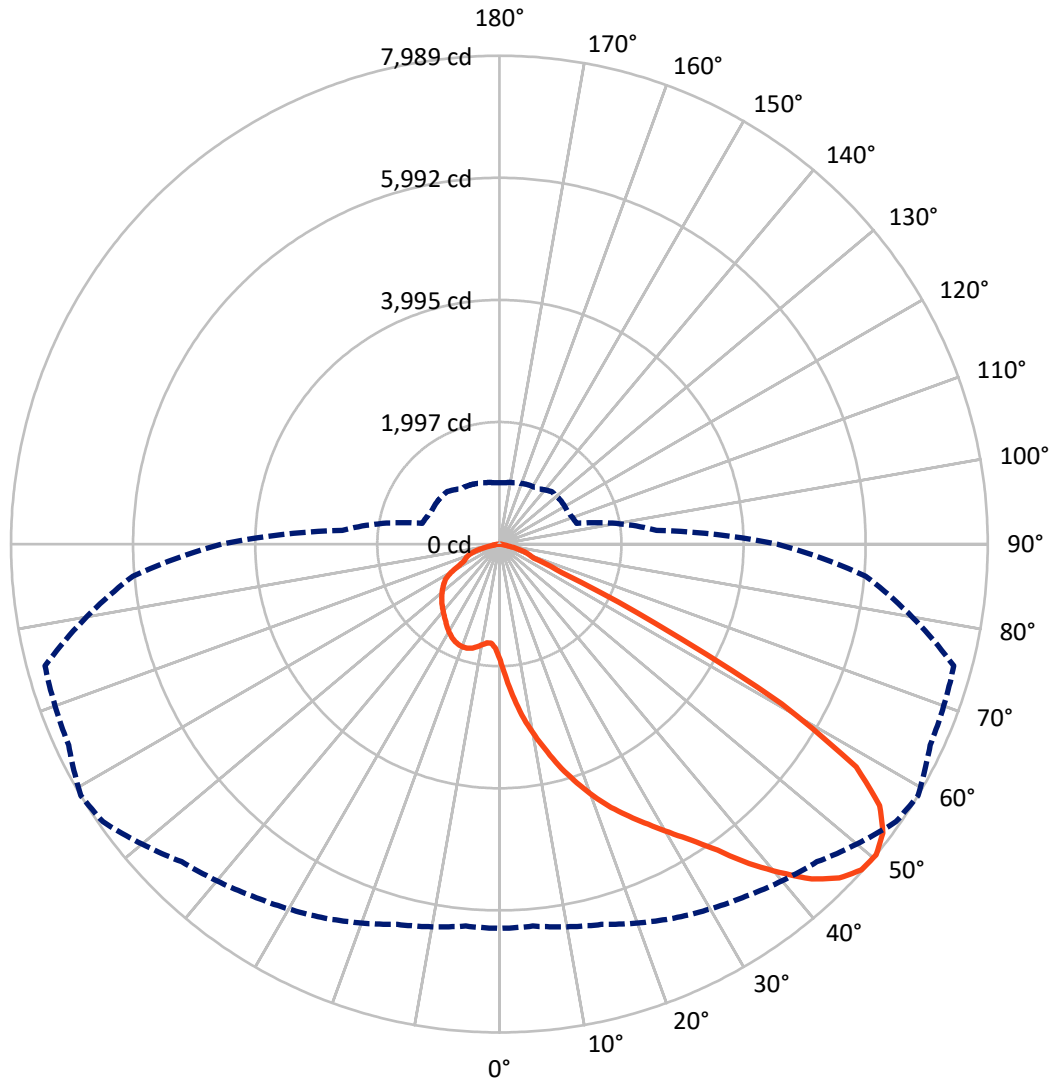
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.4 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	2888.6	0.0	2888.6
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	9669.7	0.0	9669.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	12558.3	0.0	12558.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	1.7
10°-20°	774.9	6.2
20°-30°	1467.2	11.7
30°-40°	2433.2	19.4
40°-50°	3323.8	26.5
50°-60°	3017.2	24.0
60°-70°	1004.8	8.0
70°-80°	293.1	2.3
80°-90°	30.8	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°	12558.3	100.0
0°-180°	12558.3	100.0

Coefficient of Utilization



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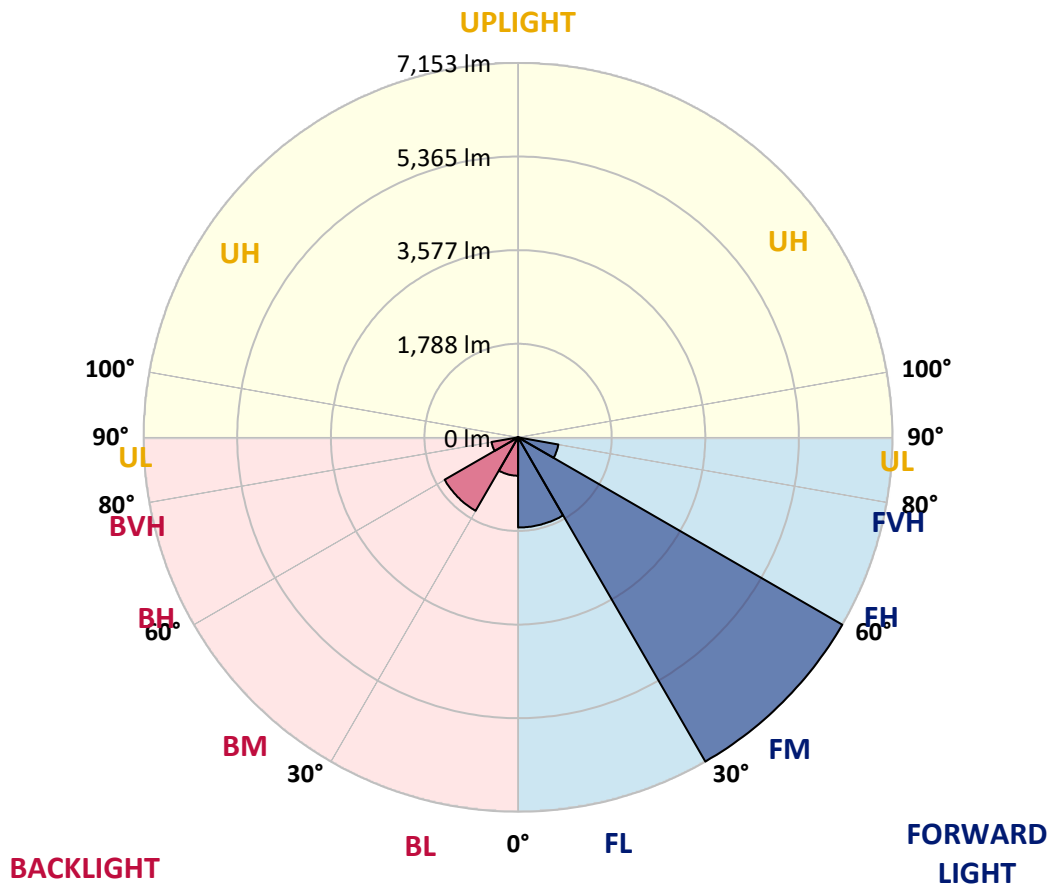
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1722.0	13.7			
FM (30°-60°)	7153.4	57.0			
FH (60°-80°)	782.2	6.2			G1/1800
FVH (80°-90°)	12.0	0.1			G1/100
BL (0°-30°)	733.5	5.8	B2/1000		
BM (30°-60°)	1620.8	12.9	B2/2500		
BH (60°-80°)	515.6	4.1	B2/1000		G2/1000
BVH (80°-90°)	18.7	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°	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	2465.3	2483.7	2455.1	2457.1	2385.5	2352.8	2260.7	2206.5	2170.7	2070.4	1979.4
5°	2962.4	2941.0	2918.5	2905.2	2842.8	2754.8	2640.2	2549.2	2465.3	2268.9	2079.6
7.5°	3267.3	3256.0	3240.7	3232.5	3171.1	3079.1	2964.5	2886.7	2765.0	2499.0	2201.4
10°	3526.1	3512.8	3503.6	3509.7	3459.6	3400.3	3275.5	3186.5	3049.4	2742.5	2348.7
12.5°	3726.6	3733.7	3736.8	3769.5	3748.1	3712.3	3583.4	3489.3	3336.8	2999.3	2521.6
15°	3885.1	3883.1	3918.9	3981.3	4016.1	3993.6	3890.2	3811.5	3625.3	3251.9	2707.7
17.5°	3922.0	3924.0	3980.3	4089.7	4203.3	4258.5	4200.2	4106.1	3922.0	3501.5	2901.1
20°	3951.6	3955.7	4014.0	4138.8	4304.5	4459.0	4468.2	4400.7	4242.1	3771.6	3097.5
22.5°	4138.8	4148.0	4163.4	4242.1	4391.5	4586.9	4694.3	4680.0	4547.0	4054.9	3309.2
25°	4630.9	4603.2	4528.6	4506.1	4563.3	4721.9	4905.0	4932.6	4867.2	4366.9	3537.3
27.5°	5238.5	5208.8	5098.3	4981.7	4857.9	4913.2	5108.6	5191.4	5192.5	4710.6	3766.5
30°	5789.8	5766.3	5676.3	5509.6	5295.8	5216.0	5360.2	5471.7	5538.2	5107.5	4027.3
32.5°	6261.4	6239.9	6118.2	5982.2	5773.5	5612.9	5665.1	5772.5	5927.9	5621.1	4351.6
35°	6658.3	6636.8	6520.2	6383.2	6189.8	6093.7	6075.2	6148.9	6350.4	6157.1	4723.9
37.5°	6980.6	6959.1	6837.3	6708.5	6561.1	6567.3	6594.9	6630.7	6746.3	6731.0	5121.9
40°	7189.2	7166.7	7079.8	6987.7	6894.6	6968.3	7105.4	7062.4	7123.8	7194.3	5488.1
42.5°	7282.3	7253.7	7203.6	7183.1	7154.5	7269.0	7532.9	7490.0	7416.3	7503.3	5760.2
45°	7189.2	7164.7	7163.7	7226.1	7292.6	7439.9	7828.6	7793.8	7607.6	7652.6	5922.8
47.5°	6903.8	6882.4	6940.7	7104.3	7268.0	7482.8	7960.5	7966.7	7743.7	7715.0	6028.2
50°	6287.0	6272.7	6441.5	6751.4	7033.7	7348.8	7918.6	7989.2	7776.4	7695.6	6014.9
52.5°	5032.9	5099.4	5466.6	5984.2	6532.5	7113.5	7763.1	7855.2	7618.9	7567.7	5943.3
55°	3445.3	3476.0	3843.2	4599.1	5468.6	6604.1	7406.1	7548.3	7432.7	7546.2	6018.0
57.5°	1784.0	1808.6	2098.1	2769.1	3709.2	5219.0	6414.9	6881.3	7057.3	7654.7	6250.2
60°	732.4	752.9	872.6	1196.8	1871.0	3039.2	4616.5	5308.0	5721.3	6990.8	5550.5
62.5°	531.9	542.2	599.4	714.0	980.0	1489.4	2612.6	2867.3	3157.8	4381.3	3524.0
65°	448.0	459.3	505.3	574.9	715.0	913.5	1116.0	1122.2	1236.7	1785.0	1306.3
67.5°	375.4	385.6	426.6	485.9	578.0	648.5	599.4	600.5	598.4	647.5	626.0
70°	292.6	300.7	341.7	405.1	453.2	416.3	468.5	518.6	497.1	516.6	546.3
72.5°	213.8	223.0	258.8	306.9	294.6	296.7	379.5	430.7	418.4	439.9	467.5
75°	154.5	160.6	179.0	153.4	161.6	195.4	267.0	294.6	306.9	325.3	349.8
77.5°	50.1	50.1	56.3	70.6	88.0	108.4	136.1	147.3	165.7	186.2	203.6
80°	25.6	26.6	31.7	38.9	49.1	62.4	79.8	84.9	94.1	105.4	112.5
82.5°	12.3	13.3	15.3	19.4	25.6	32.7	44.0	49.1	55.2	62.4	67.5
85°	3.1	3.1	4.1	6.1	8.2	12.3	16.4	19.4	24.6	29.7	32.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	3.1	4.1	5.1	6.1	8.2
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°	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	1938.5	1881.2	1807.5	1745.1	1687.9	1643.9	1606.0	1587.6	1570.2	1557.9	1562.0
5°	1991.7	1893.5	1756.4	1661.3	1602.9	1573.3	1552.8	1542.6	1540.5	1532.4	1529.3
7.5°	2069.4	1929.3	1746.2	1650.0	1611.1	1595.8	1584.5	1578.4	1581.5	1573.3	1570.2
10°	2165.6	1988.6	1771.7	1686.8	1653.1	1641.8	1629.5	1621.4	1617.3	1605.0	1602.9
12.5°	2285.3	2062.3	1817.8	1733.9	1700.1	1680.7	1664.3	1650.0	1640.8	1625.5	1621.4
15°	2414.1	2144.1	1872.0	1779.9	1740.0	1711.4	1684.8	1663.3	1646.9	1626.5	1623.4
17.5°	2554.3	2230.0	1917.0	1811.6	1760.5	1722.6	1683.8	1652.1	1629.5	1602.9	1599.9
20°	2700.6	2317.0	1950.7	1827.0	1761.5	1710.4	1658.2	1616.2	1587.6	1561.0	1559.0
22.5°	2852.0	2396.8	1971.2	1822.9	1745.1	1681.7	1619.3	1572.3	1538.5	1506.8	1504.7
25°	3004.4	2473.5	1976.3	1806.5	1712.4	1638.8	1576.4	1521.1	1483.3	1447.5	1443.4
27.5°	3158.8	2537.9	1964.0	1773.8	1668.4	1588.6	1526.2	1472.0	1433.1	1397.3	1391.2
30°	3323.5	2593.2	1937.5	1730.8	1617.3	1535.4	1474.1	1433.1	1396.3	1360.5	1354.4
32.5°	3499.5	2641.2	1899.6	1678.6	1557.9	1482.2	1437.2	1400.4	1363.6	1331.9	1325.7
35°	3709.2	2672.9	1843.3	1611.1	1502.7	1443.4	1412.7	1369.7	1324.7	1289.9	1286.9
37.5°	3926.0	2697.5	1775.8	1546.7	1454.6	1420.9	1395.3	1337.0	1280.7	1238.8	1233.7
40°	4135.8	2718.0	1691.9	1486.3	1410.6	1404.5	1369.7	1297.1	1199.9	1152.9	1148.8
42.5°	4331.1	2724.1	1604.0	1421.9	1370.7	1367.7	1328.8	1216.3	1141.6	1111.9	1107.8
45°	4465.1	2719.0	1512.9	1361.5	1330.8	1314.5	1273.6	1158.0	1111.9	1085.3	1080.2
47.5°	4564.4	2692.4	1410.6	1298.1	1285.8	1263.3	1175.4	1121.1	1078.2	1051.6	1046.5
50°	4547.0	2581.9	1307.3	1236.7	1231.6	1212.2	1103.8	1075.1	1037.3	1008.6	1004.5
52.5°	4457.0	2372.2	1202.0	1169.2	1179.5	1141.6	1052.6	1019.9	987.1	954.4	947.2
55°	4479.5	2220.8	1122.2	1103.8	1122.2	1036.2	995.3	960.5	929.9	898.1	892.0
57.5°	4577.7	2071.5	1037.3	1033.2	1052.6	955.4	921.7	877.7	833.7	808.1	808.1
60°	3844.2	1509.9	887.9	898.1	942.1	890.0	860.3	815.3	767.2	744.7	744.7
62.5°	2273.0	947.2	736.5	725.3	752.9	785.6	802.0	765.2	707.9	678.2	679.2
65°	1001.5	689.5	649.6	640.4	632.2	654.7	699.7	702.8	642.4	607.6	608.7
67.5°	616.8	624.0	607.6	600.5	593.3	589.2	585.1	587.2	570.8	539.1	538.1
70°	556.5	575.9	564.7	558.5	549.3	542.2	517.6	477.7	450.1	441.9	451.1
72.5°	478.7	505.3	499.2	496.1	484.9	467.5	434.8	395.9	363.1	342.7	346.8
75°	361.1	382.6	385.6	386.7	374.4	358.0	324.3	291.5	262.9	241.4	246.5
77.5°	207.7	219.9	223.0	226.1	216.9	210.7	188.2	164.7	149.3	126.8	133.0
80°	115.6	120.7	120.7	121.7	116.6	109.5	94.1	80.8	73.7	63.4	64.4
82.5°	69.6	71.6	72.6	73.7	70.6	63.4	52.2	43.0	38.9	33.8	32.7
85°	33.8	35.8	35.8	36.8	31.7	27.6	21.5	16.4	14.3	10.2	11.3
87.5°	8.2	9.2	9.2	8.2	7.2	5.1	3.1	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)