

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: P633592

Luminaire Tested: GWS-SA2F-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11927.6 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

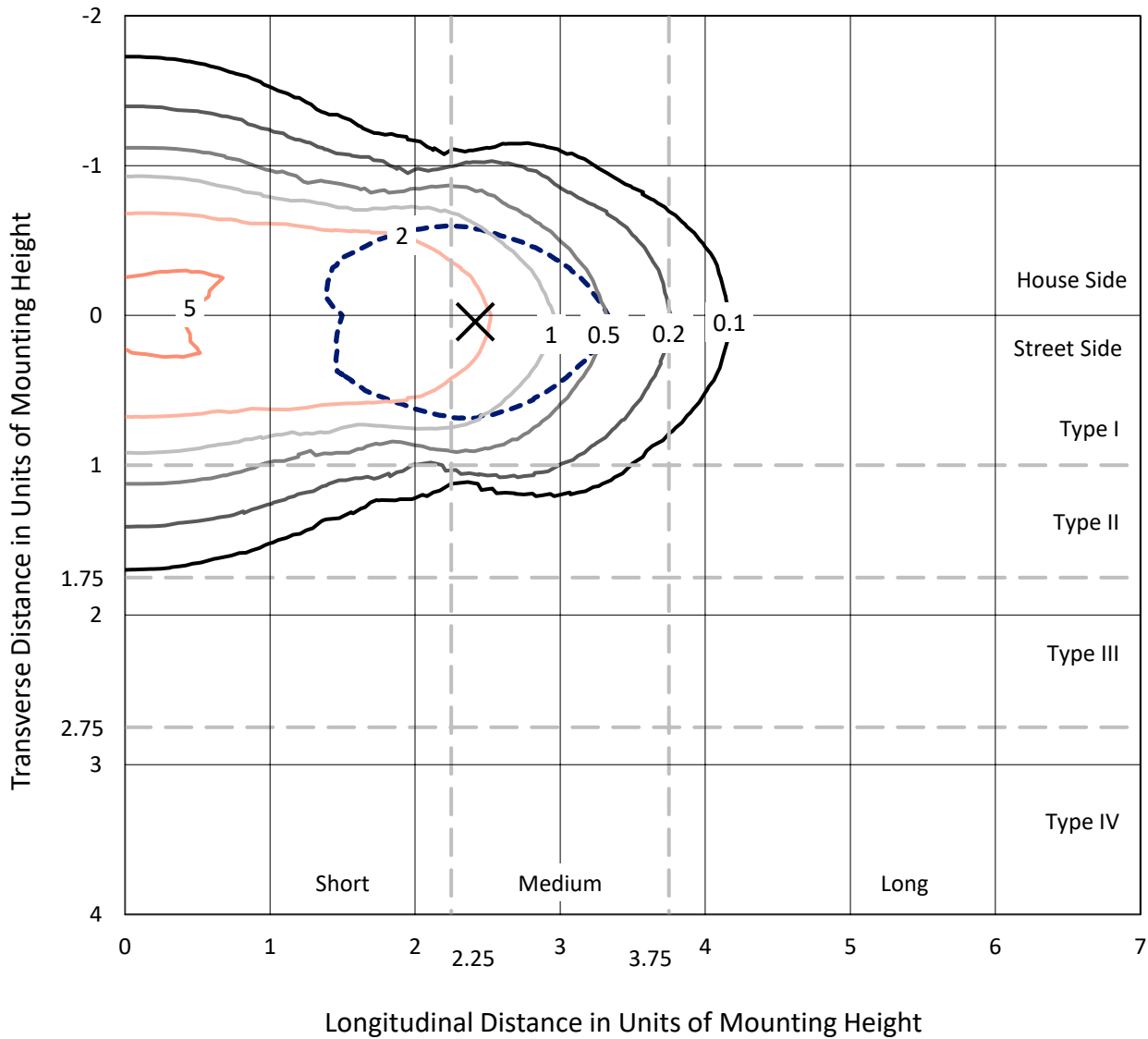
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

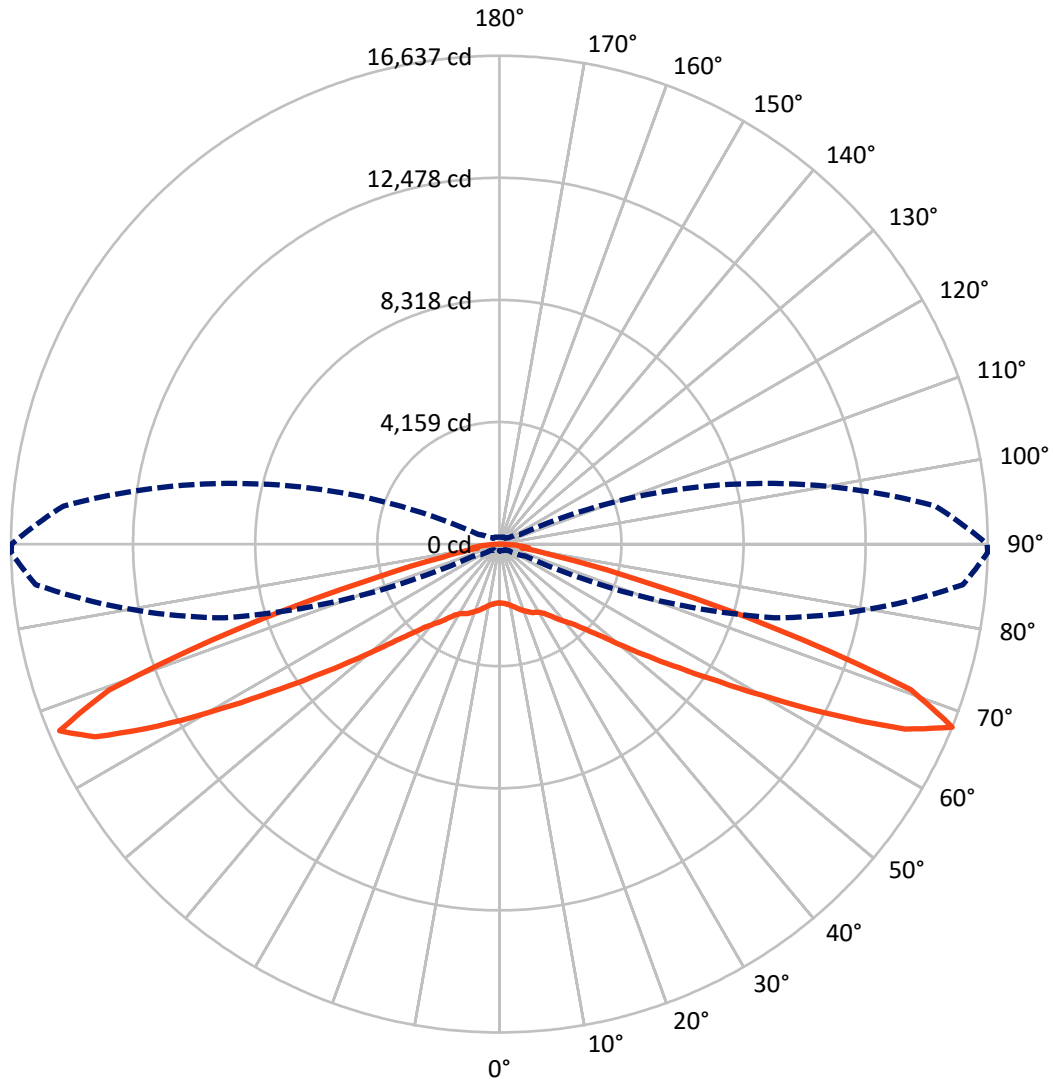
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5911.5	0.0	5911.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	6016.1	0.0	6016.1
	% Fixture	50.4	0.0	50.4
Total	Lumens	11927.6	0.0	11927.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.8	1.7
10°-20°	653.9	5.5
20°-30°	1105.3	9.3
30°-40°	1516.9	12.7
40°-50°	1934.4	16.2
50°-60°	2427.0	20.3
60°-70°	2927.2	24.5
70°-80°	1059.0	8.9
80°-90°	103.0	0.9
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°	11927.6	100.0
0°-180°	11927.6	100.0

Coefficient of Utilization



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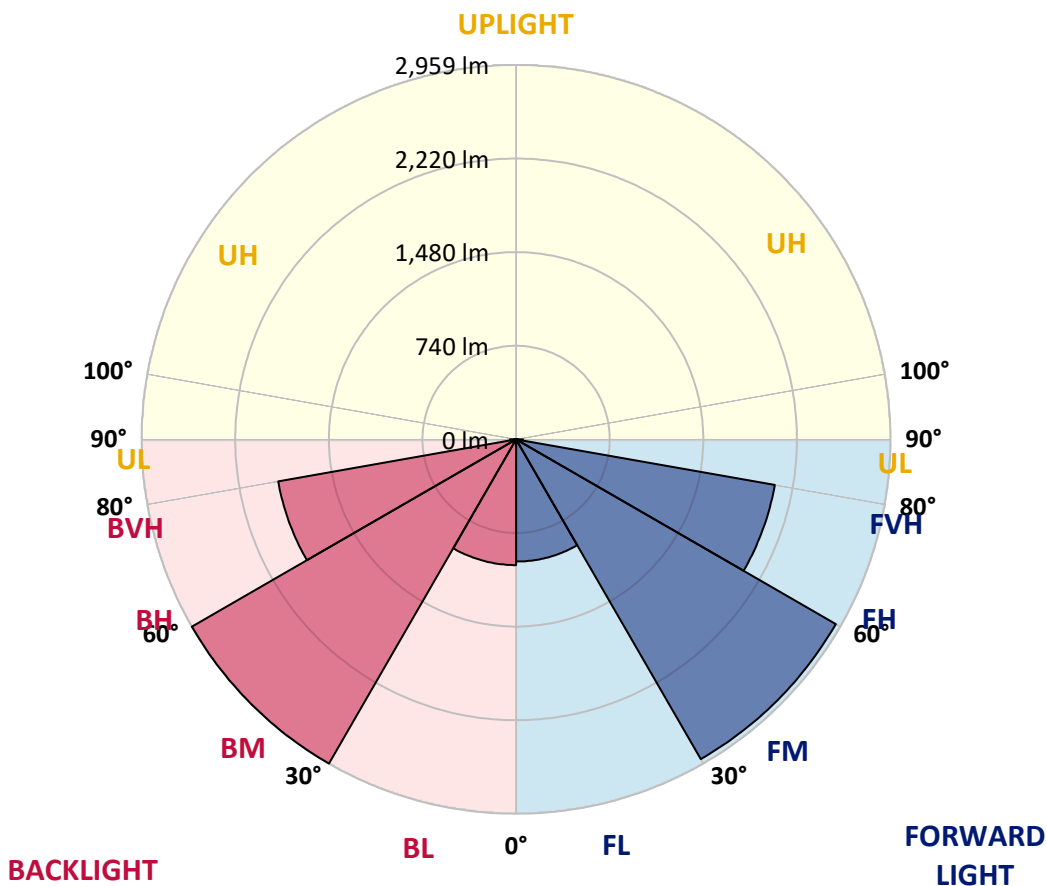
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.0	8.1			
FM (30°-60°)	2918.9	24.5			
FH (60°-80°)	2076.8	17.4			G2/5000
FVH (80°-90°)	54.3	0.5			G1/100
BL (0°-30°)	994.0	8.3	B2/1000		
BM (30°-60°)	2959.5	24.8	B3/5000		
BH (60°-80°)	1909.4	16.0	B3/2500		G3/2500
BVH (80°-90°)	48.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°	
0°	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0
2.5°	2007.9	2006.2	2002.0	2014.8	2012.2	2013.1	2018.2	2014.8	2008.8	1998.5	1998.5	2013.1
5°	2064.5	2063.6	2054.2	2061.9	2053.3	2047.4	2046.5	2037.9	2031.1	2019.9	2019.9	2035.4
7.5°	2119.3	2118.5	2110.7	2124.5	2117.6	2110.7	2103.0	2085.9	2069.6	2053.3	2053.3	2070.5
10°	2161.3	2160.4	2158.7	2178.4	2180.1	2182.7	2179.3	2150.1	2121.9	2102.2	2102.2	2119.3
12.5°	2185.3	2187.8	2192.1	2228.1	2246.1	2263.2	2267.5	2243.5	2196.4	2168.1	2168.1	2188.7
15°	2169.0	2174.1	2195.6	2260.7	2310.3	2348.9	2365.2	2345.5	2284.6	2237.5	2237.5	2260.7
17.5°	2091.0	2095.3	2137.3	2236.7	2346.3	2435.4	2462.0	2450.0	2382.3	2324.9	2324.9	2347.2
20°	1983.1	1992.5	2037.9	2176.7	2340.3	2495.4	2566.5	2562.2	2488.5	2400.3	2400.3	2426.8
22.5°	1885.4	1896.6	1944.6	2097.9	2300.1	2510.8	2671.8	2683.0	2585.3	2475.7	2475.7	2497.1
25°	1775.8	1786.1	1847.8	2004.5	2230.7	2498.8	2761.8	2812.3	2695.0	2562.2	2562.2	2581.9
27.5°	1663.6	1671.3	1732.1	1899.2	2139.9	2476.5	2832.9	2954.5	2802.9	2622.2	2622.2	2635.9
30°	1565.1	1575.3	1631.0	1793.8	2040.5	2432.0	2891.1	3106.2	2927.1	2689.8	2689.8	2701.0
32.5°	1470.0	1478.5	1539.4	1690.1	1935.1	2363.5	2943.4	3284.3	3111.3	2815.8	2815.8	2815.8
35°	1350.1	1365.5	1434.0	1590.8	1835.8	2272.6	2981.1	3491.6	3363.1	3001.6	3001.6	3002.5
37.5°	1239.5	1248.1	1320.1	1478.5	1731.3	2169.9	2984.5	3706.7	3681.8	3238.1	3238.1	3239.8
40°	1113.6	1124.8	1201.9	1358.6	1611.3	2061.9	2952.0	3907.1	4015.9	3481.4	3481.4	3471.9
42.5°	986.0	1002.3	1075.9	1229.3	1482.0	1930.0	2865.4	4098.1	4439.9	3763.2	3763.2	3740.1
45°	862.6	872.9	946.6	1091.4	1333.8	1772.4	2726.7	4281.5	4943.6	4191.5	4191.5	4158.1
47.5°	723.9	728.1	804.4	943.2	1180.4	1596.8	2527.9	4445.1	5497.0	4758.6	4758.6	4701.2
50°	600.5	606.5	666.5	785.5	992.8	1388.6	2280.4	4541.0	6202.0	5532.1	5532.1	5432.8
52.5°	485.7	491.7	539.7	634.8	820.7	1151.3	1973.7	4518.7	6917.3	6492.4	6492.4	6347.7
55°	392.3	396.6	429.2	503.7	645.9	915.7	1611.3	4319.1	7711.4	7746.5	7746.5	7434.7
57.5°	331.5	333.2	355.5	400.9	504.6	705.9	1243.8	3848.0	8544.1	9346.7	9346.7	8834.5
60°	296.4	297.3	307.5	335.8	398.3	538.8	911.5	3097.6	9406.7	11348.7	11348.7	10646.2
62.5°	274.1	274.1	282.7	299.0	330.7	414.6	669.9	2224.7	10026.0	13527.1	13527.1	12828.9
65°	252.7	252.7	258.7	272.4	289.5	338.4	502.8	1434.9	10330.1	15348.3	15348.3	15193.2
67.5°	225.3	226.2	230.4	245.0	260.4	282.7	381.2	970.6	9698.8	15852.0	15852.0	16636.7
70°	199.6	200.5	206.4	215.9	228.7	244.1	298.1	669.0	7059.5	13202.4	13202.4	14875.4
72.5°	171.3	174.8	179.0	189.3	197.0	208.2	243.3	433.5	4107.6	8492.7	8492.7	9833.3
75°	140.5	144.8	149.9	160.2	165.3	169.6	200.5	309.2	1976.3	4303.7	4303.7	4900.8
77.5°	108.8	113.1	119.1	128.5	131.9	137.1	153.3	223.6	946.6	1907.7	1907.7	2056.8
80°	72.8	74.5	79.7	90.8	96.8	100.2	113.1	152.5	411.2	765.8	765.8	759.0
82.5°	44.5	45.4	47.1	54.0	56.5	60.0	73.7	93.4	196.2	870.3	870.3	998.0
85°	16.3	15.4	14.6	18.8	22.3	25.7	34.3	47.1	85.7	597.9	597.9	669.0
87.5°	0.0	0.0	0.0	0.9	1.7	1.7	3.4	6.9	20.6	223.6	223.6	153.3
90°	0.0	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°	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0
2.5°	2008.8	1999.4	2011.4	2019.9	2038.8	2045.6	2047.4	2041.4	2041.4	2031.1	2032.8
5°	2031.9	2025.9	2045.6	2060.2	2087.6	2097.9	2104.7	2100.5	2103.0	2096.2	2097.9
7.5°	2067.1	2061.9	2096.2	2124.5	2152.7	2164.7	2170.7	2167.3	2168.1	2159.6	2162.1
10°	2115.9	2117.6	2158.7	2195.6	2233.2	2245.2	2247.8	2237.5	2229.0	2213.5	2214.4
12.5°	2182.7	2191.3	2249.5	2290.6	2329.2	2346.3	2327.5	2289.8	2254.7	2228.1	2224.7
15°	2255.5	2270.9	2354.9	2407.1	2449.1	2440.5	2384.9	2300.1	2230.7	2191.3	2183.6
17.5°	2342.9	2366.0	2471.4	2533.9	2569.9	2515.1	2398.6	2271.8	2175.0	2121.9	2111.6
20°	2425.1	2462.0	2594.7	2676.1	2680.4	2557.0	2392.6	2214.4	2092.8	2027.7	2013.9
22.5°	2500.5	2547.6	2724.1	2827.7	2772.1	2575.9	2355.7	2133.0	1993.4	1917.1	1905.2
25°	2582.7	2649.6	2874.9	2971.7	2863.7	2568.2	2278.6	2031.9	1873.5	1795.5	1786.9
27.5°	2639.3	2723.2	3026.5	3119.0	2939.1	2524.5	2179.3	1921.4	1763.8	1690.1	1678.1
30°	2704.4	2811.5	3193.5	3279.2	2985.4	2460.3	2073.1	1818.6	1661.9	1582.2	1573.6
32.5°	2822.6	2957.1	3400.8	3448.8	2999.9	2380.6	1971.1	1719.3	1555.6	1476.0	1464.0
35°	3012.8	3170.4	3692.1	3638.1	2988.8	2293.2	1874.3	1602.8	1446.9	1372.3	1360.3
37.5°	3252.6	3448.8	4016.8	3808.6	2958.0	2197.3	1759.5	1505.1	1349.2	1273.8	1267.0
40°	3476.2	3717.8	4380.8	3955.9	2895.4	2079.0	1649.0	1403.2	1243.8	1164.2	1148.7
42.5°	3756.3	4077.6	4802.3	4083.6	2792.6	1937.7	1524.8	1277.2	1111.9	1040.0	1021.1
45°	4182.1	4581.3	5292.3	4206.1	2639.3	1763.8	1368.9	1123.9	967.1	893.5	878.9
47.5°	4713.2	5210.9	5823.4	4278.9	2406.3	1580.5	1192.4	962.0	805.2	722.1	715.3
50°	5459.3	6126.6	6393.1	4266.0	2145.9	1362.9	993.7	769.3	638.2	578.2	568.8
52.5°	6368.2	7276.2	7009.0	4111.8	1869.2	1115.3	774.4	603.9	506.3	463.4	455.7
55°	7508.4	8652.9	7657.4	3781.2	1519.7	854.1	608.2	476.3	409.5	383.8	380.3
57.5°	8920.1	10435.5	8281.9	3224.4	1142.7	651.9	468.6	393.2	361.5	346.1	345.2
60°	10783.3	12327.8	8824.2	2505.7	818.1	498.6	387.2	351.2	326.4	316.1	315.2
62.5°	12998.6	14046.2	9161.7	1706.4	615.1	397.5	340.9	318.7	304.1	298.1	297.3
65°	15275.5	15132.4	9000.6	1117.9	466.9	337.5	305.8	293.8	281.0	275.0	275.0
67.5°	16620.4	14902.8	7764.5	776.1	370.1	296.4	275.8	264.7	243.3	238.1	238.1
70°	14721.2	12076.0	5089.3	567.9	299.8	259.6	239.9	224.4	215.9	210.7	209.9
72.5°	9736.5	7857.9	2706.1	394.1	250.1	221.0	203.0	197.0	186.7	181.6	180.7
75°	4846.0	4127.3	1386.9	284.4	208.2	177.3	169.6	167.0	158.5	151.6	149.9
77.5°	2019.9	1837.5	646.8	206.4	158.5	143.1	136.2	136.2	126.8	119.1	115.6
80°	761.5	678.5	305.8	141.3	117.4	106.2	101.9	98.5	90.8	81.4	76.2
82.5°	1018.5	665.6	149.9	88.2	77.1	68.5	62.5	60.0	55.7	51.4	48.0
85°	659.6	472.9	67.7	45.4	38.5	29.1	25.7	24.0	21.4	18.8	17.1
87.5°	134.5	158.5	20.6	8.6	5.1	2.6	2.6	0.9	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)