

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: P632877

Luminaire Tested: GWS-SA2D-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632877
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-SA2D-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11921.8 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

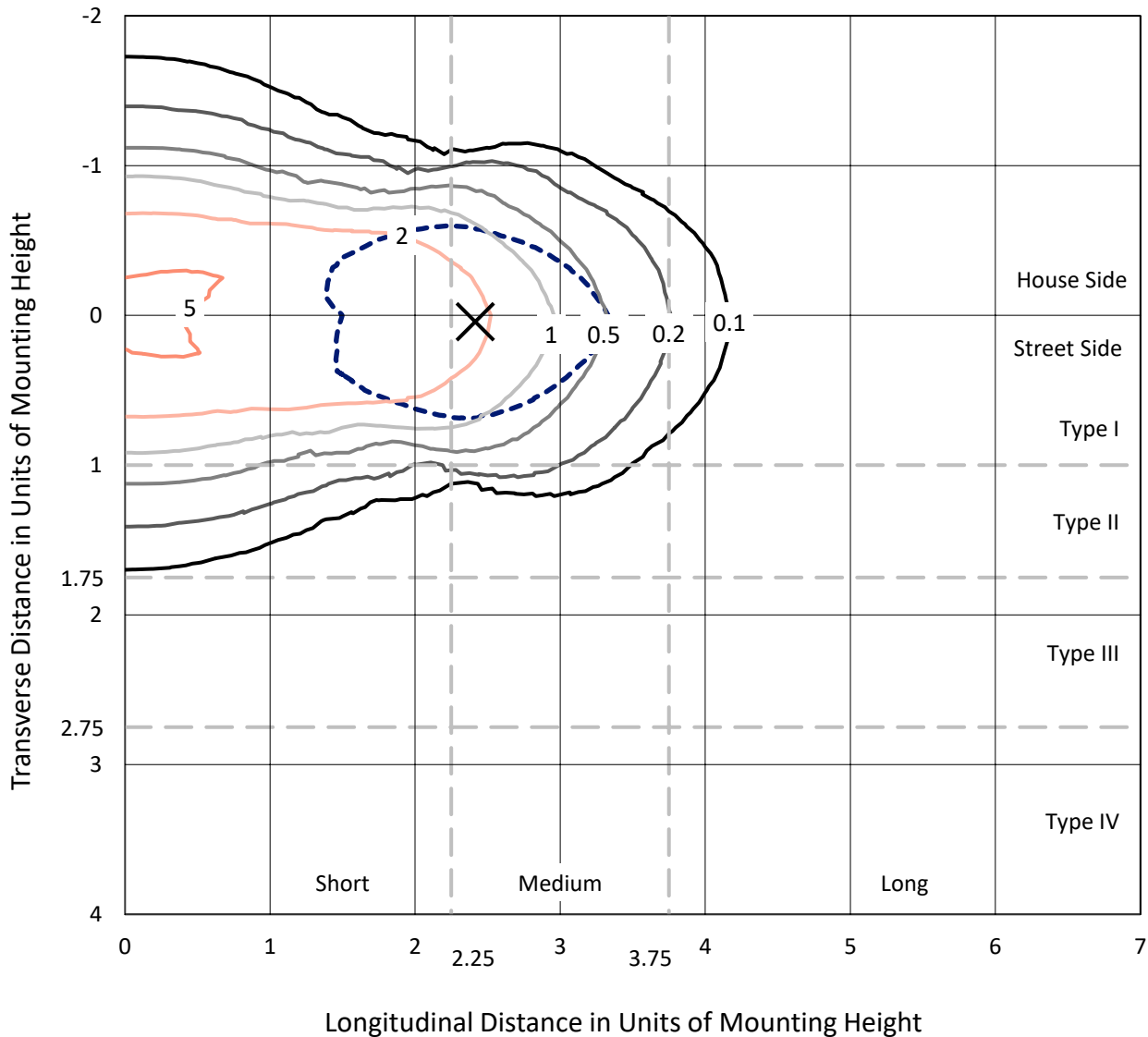
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

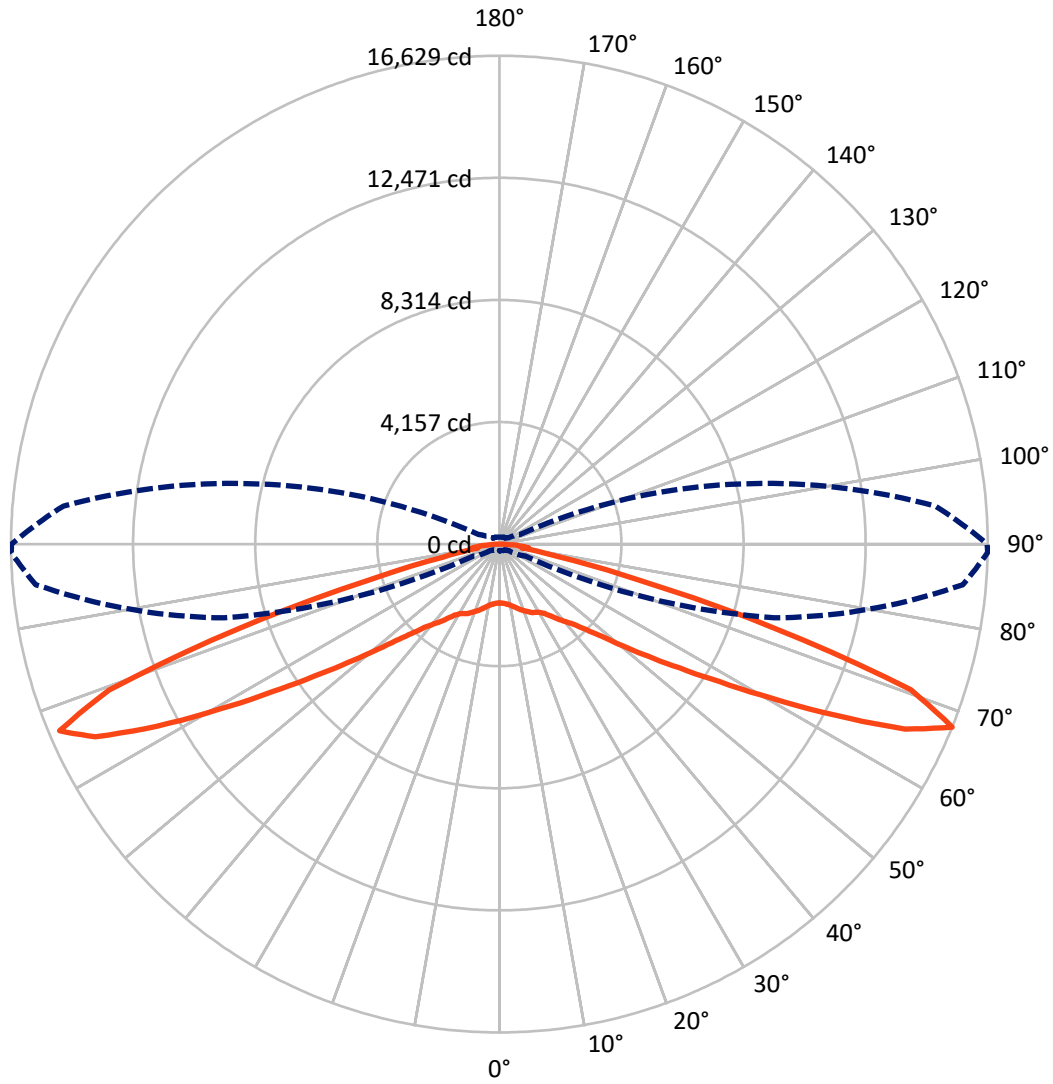
✕ Max cd
 - - - 1/2 Max cd



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	5908.7	0.0	5908.7
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	6013.1	0.0	6013.1
	% Fixture	50.4	0.0	50.4
Total	Lumens	11921.8	0.0	11921.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	1.7
10°-20°	653.6	5.5
20°-30°	1104.8	9.3
30°-40°	1516.2	12.7
40°-50°	1933.5	16.2
50°-60°	2425.9	20.3
60°-70°	2925.8	24.5
70°-80°	1058.5	8.9
80°-90°	102.9	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°	11921.8	100.0
0°-180°	11921.8	100.0

Coefficient of Utilization



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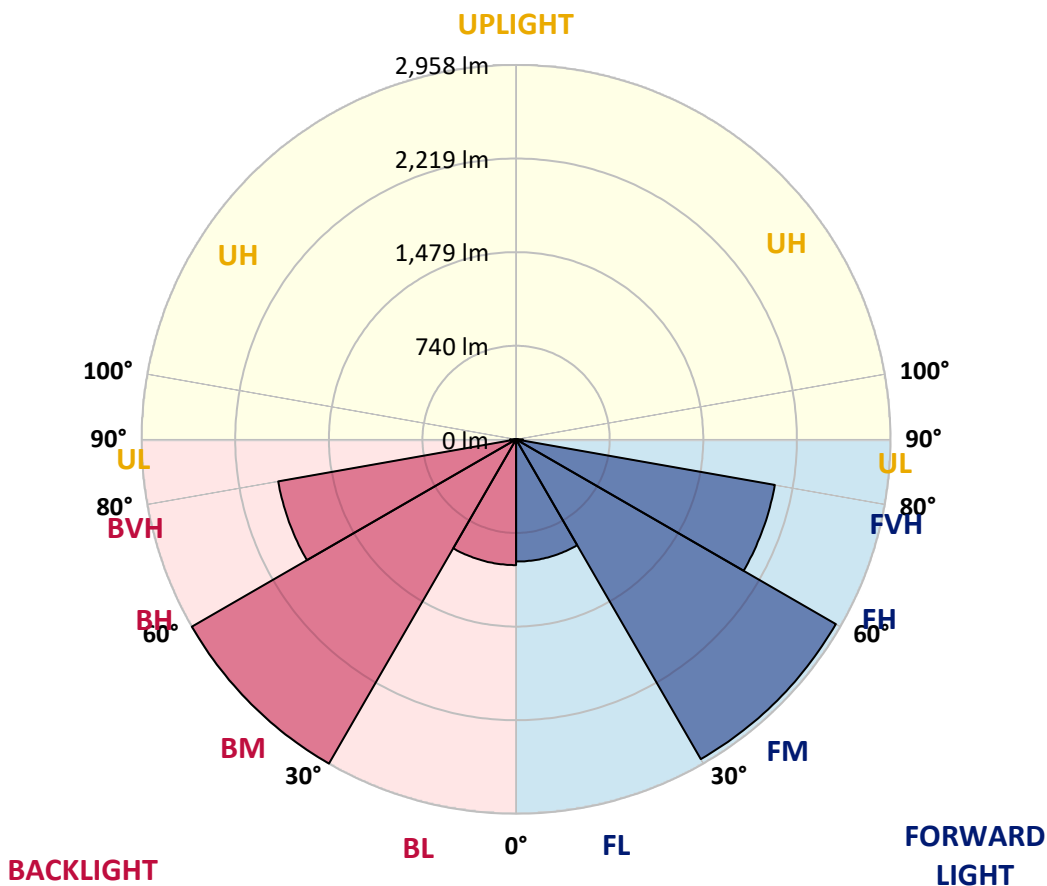
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	965.6	8.1			
FM (30°-60°)	2917.5	24.5			
FH (60°-80°)	2075.8	17.4			G2/5000
FVH (80°-90°)	54.3	0.5			G1/100
BL (0°-30°)	993.5	8.3	B2/1000		
BM (30°-60°)	2958.0	24.8	B3/5000		
BH (60°-80°)	1908.5	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°	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0
2.5°	2007.0	2005.3	2001.0	2013.8	2011.3	2012.1	2017.2	2013.8	2007.8	1997.6	1997.6	2012.1
5°	2063.5	2062.6	2053.2	2060.9	2052.4	2046.4	2045.5	2036.9	2030.1	2019.0	2019.0	2034.4
7.5°	2118.3	2117.4	2109.7	2123.4	2116.6	2109.7	2102.0	2084.9	2068.6	2052.4	2052.4	2069.5
10°	2160.2	2159.4	2157.7	2177.4	2179.1	2181.6	2178.2	2149.1	2120.8	2101.2	2101.2	2118.3
12.5°	2184.2	2186.8	2191.1	2227.0	2245.0	2262.1	2266.4	2242.4	2195.3	2167.1	2167.1	2187.6
15°	2167.9	2173.1	2194.5	2259.6	2309.2	2347.7	2364.0	2344.3	2283.5	2236.4	2236.4	2259.6
17.5°	2090.0	2094.3	2136.3	2235.6	2345.2	2434.2	2460.8	2448.8	2381.1	2323.8	2323.8	2346.0
20°	1982.1	1991.6	2036.9	2175.6	2339.2	2494.2	2565.2	2560.9	2487.3	2399.1	2399.1	2425.7
22.5°	1884.5	1895.7	1943.6	2096.9	2298.9	2509.6	2670.5	2681.7	2584.1	2474.5	2474.5	2495.9
25°	1774.9	1785.2	1846.9	2003.5	2229.6	2497.6	2760.4	2811.0	2693.7	2560.9	2560.9	2580.6
27.5°	1662.8	1670.5	1731.3	1898.2	2138.8	2475.3	2831.5	2953.1	2801.5	2620.9	2620.9	2634.6
30°	1564.3	1574.6	1630.2	1792.9	2039.5	2430.8	2889.7	3104.6	2925.7	2688.5	2688.5	2699.7
32.5°	1469.3	1477.8	1538.6	1689.3	1934.2	2362.3	2942.0	3282.7	3109.8	2814.4	2814.4	2814.4
35°	1349.4	1364.8	1433.3	1590.0	1834.9	2271.5	2979.6	3489.9	3361.5	3000.2	3000.2	3001.0
37.5°	1238.9	1247.5	1319.4	1477.8	1730.4	2168.8	2983.1	3704.8	3680.0	3236.5	3236.5	3238.2
40°	1113.1	1124.2	1201.3	1358.0	1610.5	2060.9	2950.5	3905.2	4013.9	3479.7	3479.7	3470.2
42.5°	985.5	1001.8	1075.4	1228.7	1481.3	1929.1	2864.0	4096.1	4437.8	3761.4	3761.4	3738.2
45°	862.2	872.5	946.1	1090.8	1333.1	1771.5	2725.3	4279.4	4941.2	4189.5	4189.5	4156.1
47.5°	723.5	727.8	804.0	942.7	1179.9	1596.0	2526.7	4442.9	5494.3	4756.3	4756.3	4698.9
50°	600.2	606.2	666.1	785.2	992.4	1387.9	2279.2	4538.8	6199.0	5529.4	5529.4	5430.1
52.5°	485.5	491.5	539.4	634.5	820.3	1150.8	1972.7	4516.5	6913.9	6489.3	6489.3	6344.6
55°	392.1	396.4	429.0	503.5	645.6	915.3	1610.5	4317.0	7707.7	7742.8	7742.8	7431.1
57.5°	331.4	333.1	355.3	400.7	504.3	705.5	1243.2	3846.1	8539.9	9342.2	9342.2	8830.2
60°	296.3	297.1	307.4	335.6	398.1	538.6	911.0	3096.1	9402.1	11343.2	11343.2	10641.1
62.5°	274.0	274.0	282.6	298.8	330.5	414.4	669.6	2223.6	10021.2	13520.5	13520.5	12822.7
65°	252.6	252.6	258.6	272.3	289.4	338.2	502.6	1434.2	10325.1	15340.8	15340.8	15185.9
67.5°	225.2	226.0	230.3	244.9	260.3	282.6	381.0	970.1	9694.1	15844.3	15844.3	16628.6
70°	199.5	200.4	206.3	215.8	228.6	244.0	298.0	668.7	7056.1	13196.0	13196.0	14868.2
72.5°	171.2	174.7	178.9	189.2	196.9	208.1	243.2	433.2	4105.6	8488.5	8488.5	9828.5
75°	140.4	144.7	149.8	160.1	165.2	169.5	200.4	309.1	1975.3	4301.6	4301.6	4898.4
77.5°	108.7	113.0	119.0	128.4	131.9	137.0	153.3	223.5	946.1	1906.8	1906.8	2055.8
80°	72.8	74.5	79.6	90.8	96.8	100.2	113.0	152.4	411.0	765.5	765.5	758.6
82.5°	44.5	45.4	47.1	53.9	56.5	59.9	73.6	93.3	196.1	869.9	869.9	997.5
85°	16.3	15.4	14.6	18.8	22.3	25.7	34.2	47.1	85.6	597.6	597.6	668.7
87.5°	0.0	0.0	0.0	0.9	1.7	1.7	3.4	6.8	20.5	223.5	223.5	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°	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0
2.5°	2007.8	1998.4	2010.4	2019.0	2037.8	2044.6	2046.4	2040.4	2040.4	2030.1	2031.8
5°	2030.9	2025.0	2044.6	2059.2	2086.6	2096.9	2103.7	2099.4	2102.0	2095.2	2096.9
7.5°	2066.1	2060.9	2095.2	2123.4	2151.7	2163.7	2169.7	2166.2	2167.1	2158.5	2161.1
10°	2114.9	2116.6	2157.7	2194.5	2232.2	2244.1	2246.7	2236.4	2227.9	2212.5	2213.3
12.5°	2181.6	2190.2	2248.4	2289.5	2328.1	2345.2	2326.3	2288.7	2253.6	2227.0	2223.6
15°	2254.4	2269.8	2353.7	2406.0	2447.9	2439.4	2383.7	2298.9	2229.6	2190.2	2182.5
17.5°	2341.8	2364.9	2470.2	2532.7	2568.6	2513.9	2397.4	2270.7	2173.9	2120.8	2110.6
20°	2423.9	2460.8	2593.5	2674.8	2679.1	2555.8	2391.4	2213.3	2091.7	2026.7	2013.0
22.5°	2499.3	2546.4	2722.8	2826.4	2770.7	2574.6	2354.6	2132.0	1992.4	1916.2	1904.2
25°	2581.5	2648.3	2873.5	2970.2	2862.3	2566.9	2277.5	2030.9	1872.5	1794.6	1786.1
27.5°	2638.0	2721.9	3025.0	3117.5	2937.7	2523.3	2178.2	1920.5	1762.9	1689.3	1677.3
30°	2703.1	2810.1	3192.0	3277.6	2983.9	2459.1	2072.0	1817.7	1661.1	1581.4	1572.9
32.5°	2821.2	2955.7	3399.2	3447.1	2998.5	2379.4	1970.2	1718.4	1554.9	1475.3	1463.3
35°	3011.3	3168.9	3690.3	3636.4	2987.3	2292.1	1873.4	1602.0	1446.1	1371.7	1359.7
37.5°	3251.1	3447.1	4014.8	3806.7	2956.5	2196.2	1758.7	1504.4	1348.5	1273.2	1266.3
40°	3474.5	3716.0	4378.7	3954.0	2894.0	2078.0	1648.2	1402.5	1243.2	1163.6	1148.2
42.5°	3754.5	4075.6	4800.0	4081.6	2791.3	1936.8	1524.1	1276.6	1111.4	1039.4	1020.6
45°	4180.0	4579.0	5289.7	4204.0	2638.0	1762.9	1368.2	1123.4	966.7	893.0	878.5
47.5°	4710.9	5208.4	5820.6	4276.8	2405.1	1579.7	1191.9	961.5	804.8	721.8	714.9
50°	5456.7	6123.7	6389.9	4264.0	2144.8	1362.2	993.2	768.9	637.9	577.9	568.5
52.5°	6365.1	7272.7	7005.6	4109.8	1868.3	1114.8	774.0	603.6	506.0	463.2	455.5
55°	7504.7	8648.6	7653.7	3779.3	1518.9	853.6	607.9	476.1	409.3	383.6	380.2
57.5°	8915.8	10430.4	8277.9	3222.8	1142.2	651.6	468.4	393.0	361.3	345.9	345.1
60°	10778.1	12321.8	8819.9	2504.4	817.7	498.3	387.0	351.0	326.2	315.9	315.1
62.5°	12992.2	14039.4	9157.2	1705.6	614.8	397.3	340.8	318.5	304.0	298.0	297.1
65°	15268.1	15125.1	8996.3	1117.4	466.6	337.3	305.7	293.7	280.8	274.8	274.8
67.5°	16612.3	14895.6	7760.7	775.7	369.9	296.3	275.7	264.6	243.2	238.0	238.0
70°	14714.1	12070.1	5086.8	567.7	299.7	259.4	239.7	224.3	215.8	210.6	209.8
72.5°	9731.8	7854.1	2704.8	393.9	250.0	220.9	202.9	196.9	186.7	181.5	180.7
75°	4843.6	4125.3	1386.2	284.3	208.1	177.2	169.5	167.0	158.4	151.6	149.8
77.5°	2019.0	1836.6	646.4	206.3	158.4	143.0	136.1	136.1	126.7	119.0	115.6
80°	761.2	678.1	305.7	141.3	117.3	106.2	101.9	98.5	90.8	81.3	76.2
82.5°	1018.0	665.3	149.8	88.2	77.1	68.5	62.5	59.9	55.7	51.4	47.9
85°	659.3	472.6	67.6	45.4	38.5	29.1	25.7	24.0	21.4	18.8	17.1
87.5°	134.4	158.4	20.5	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)