

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: P640361

Luminaire Tested: GWS-SA5D-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30070.3 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

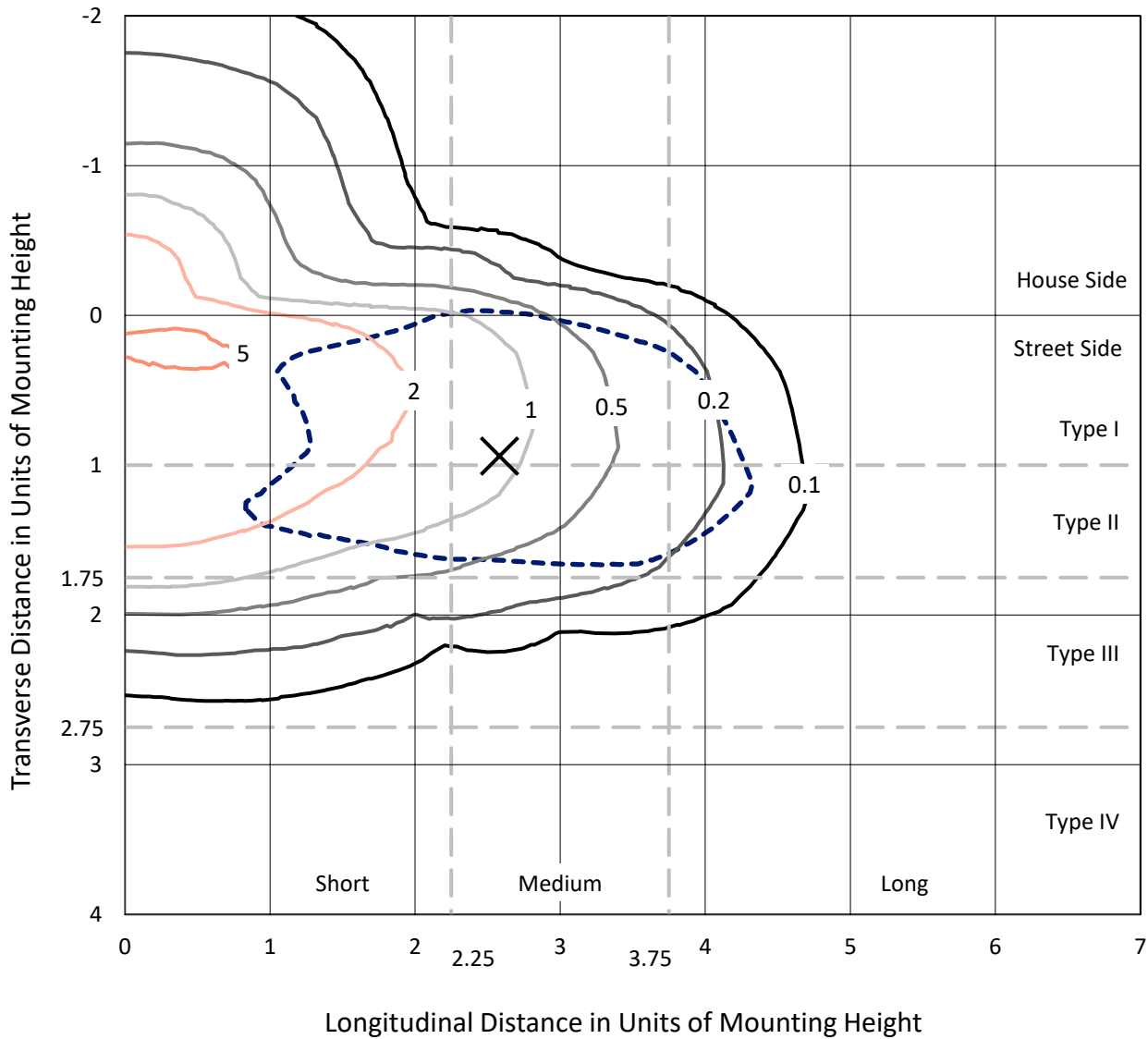
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

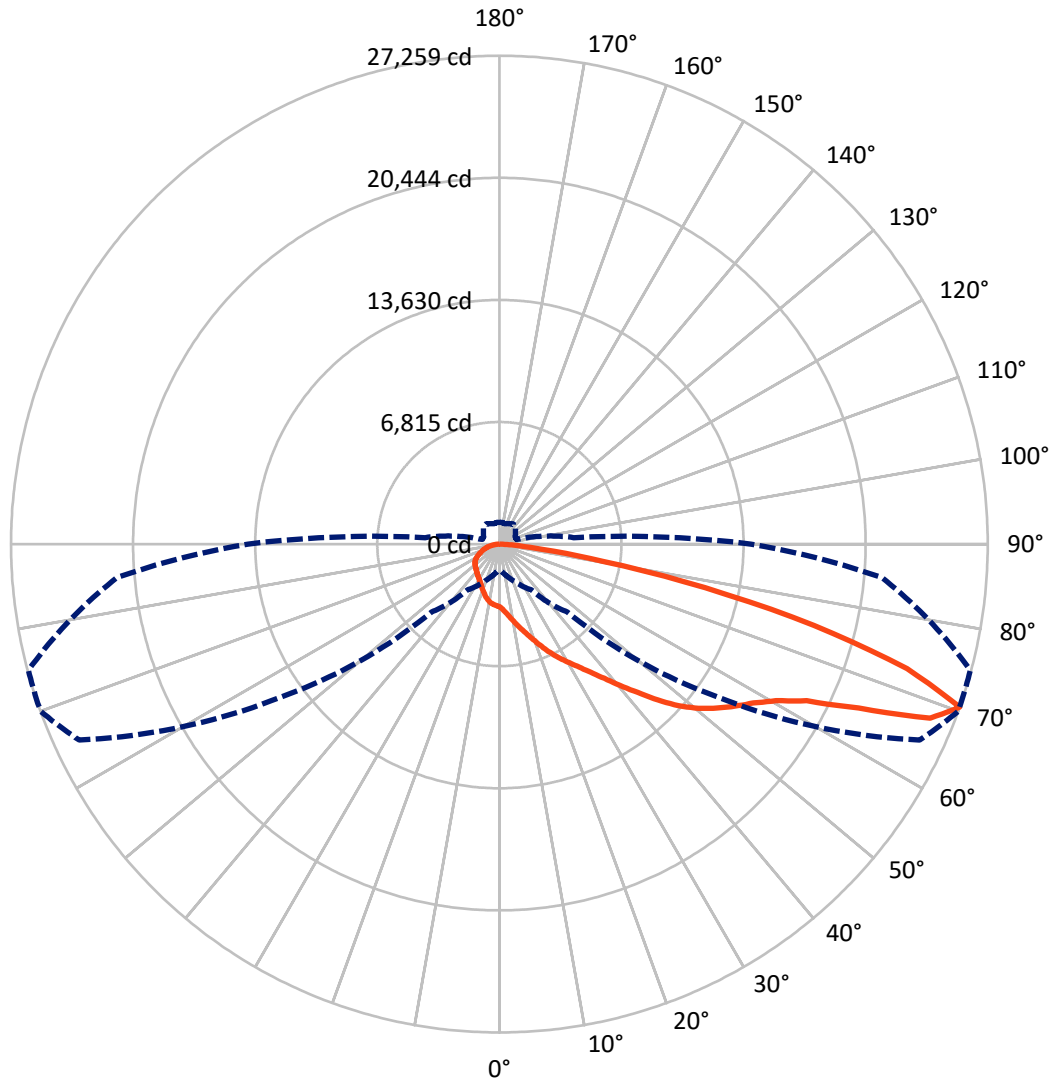
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5388.7	0.0	5388.7
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	24681.6	0.0	24681.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	30070.3	0.0	30070.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.4	1.2
10°-20°	1159.5	3.9
20°-30°	2054.0	6.8
30°-40°	3091.4	10.3
40°-50°	4676.8	15.6
50°-60°	6699.8	22.3
60°-70°	7405.9	24.6
70°-80°	4179.4	13.9
80°-90°	447.0	1.5
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°	30070.3	100.0
0°-180°	30070.3	100.0

Coefficient of Utilization



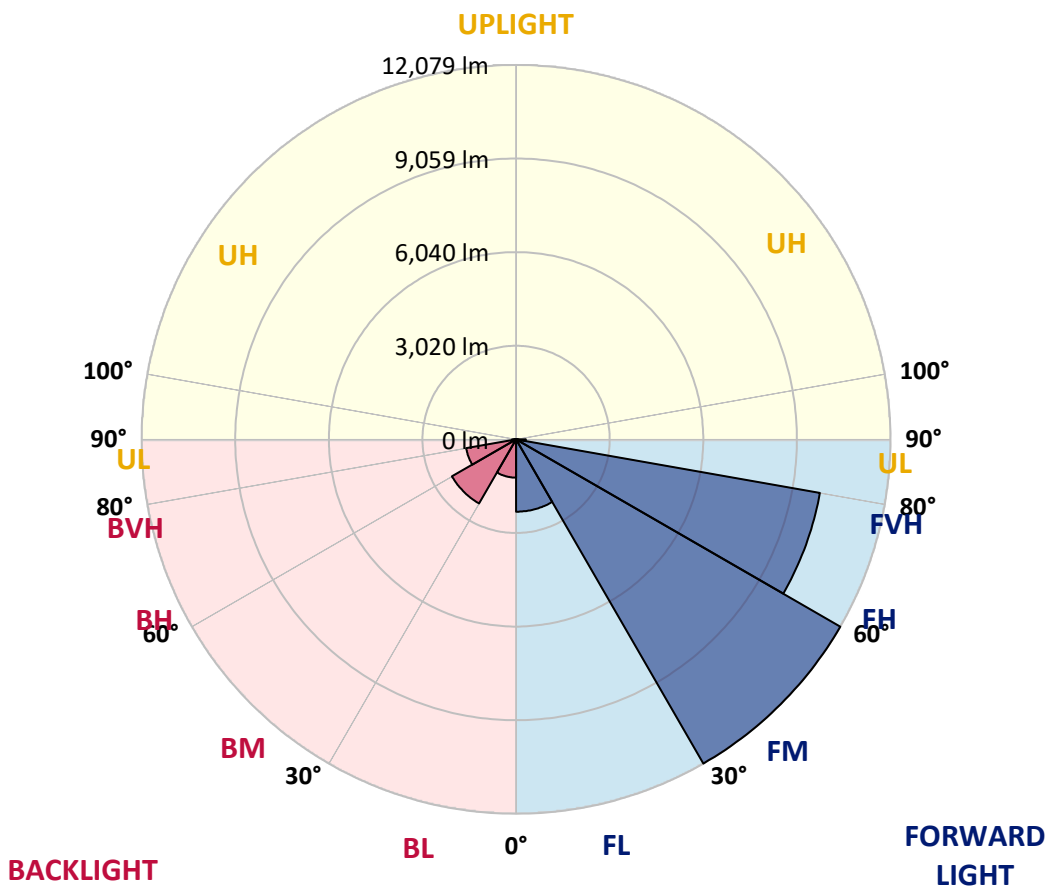
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2334.4	7.8			
FM (30°-60°)	12079.2	40.2			
FH (60°-80°)	9952.0	33.1			G4/12000
FVH (80°-90°)	316.0	1.1			G3/500
BL (0°-30°)	1235.5	4.1	B3/2500		
BM (30°-60°)	2388.8	7.9	B2/2500		
BH (60°-80°)	1633.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	131.0	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8
2.5°	3884.9	3878.4	3882.7	3878.4	3854.5	3795.8	3748.0	3687.2	3645.9	3622.0	3565.5
5°	4341.2	4334.6	4319.4	4297.7	4254.2	4173.9	4054.4	3921.8	3841.4	3780.6	3661.1
7.5°	4669.2	4669.2	4667.1	4641.0	4610.6	4525.8	4384.6	4210.8	4093.5	3989.2	3793.6
10°	4836.5	4847.4	4862.6	4899.6	4893.0	4847.4	4714.9	4528.0	4380.3	4258.6	3967.4
12.5°	4927.8	4934.3	4960.4	5036.4	5114.7	5125.5	5047.3	4851.8	4691.0	4528.0	4160.8
15°	5045.1	5047.3	5082.1	5173.3	5288.5	5403.6	5384.1	5188.5	5023.4	4843.1	4375.9
17.5°	5136.4	5151.6	5214.6	5321.1	5464.5	5623.1	5718.7	5597.0	5392.8	5186.4	4610.6
20°	5169.0	5179.8	5262.4	5425.4	5620.9	5844.7	6057.6	6025.0	5818.6	5575.3	4875.7
22.5°	5286.3	5286.3	5347.1	5484.0	5714.3	6040.2	6385.7	6470.5	6287.9	6003.3	5160.3
25°	5544.9	5536.2	5564.4	5620.9	5794.7	6196.7	6709.5	6963.7	6759.4	6440.0	5444.9
27.5°	5899.0	5894.7	5892.5	5901.2	5959.9	6333.6	6983.2	7424.3	7220.1	6859.4	5699.1
30°	6283.6	6270.6	6298.8	6272.7	6259.7	6496.5	7215.7	7837.1	7678.5	7274.4	5909.9
32.5°	6807.2	6783.3	6776.8	6692.1	6639.9	6750.7	7402.6	8306.4	8180.4	7722.0	6146.7
35°	7498.2	7476.4	7365.6	7230.9	7076.6	7128.8	7635.0	8764.9	8773.6	8282.5	6457.4
37.5°	8195.6	8200.0	8113.1	7795.8	7637.2	7606.8	7989.2	9323.3	9510.1	8951.7	6859.4
40°	8775.7	8801.8	8801.8	8467.2	8230.4	8202.1	8486.8	9986.0	10357.5	9773.0	7367.8
42.5°	9216.8	9240.7	9316.8	9075.6	8825.7	8923.5	9090.8	10650.8	11317.9	10787.7	8010.9
45°	9701.3	9720.9	9762.2	9623.1	9477.5	9738.3	9775.2	11446.1	12417.3	11926.2	8758.4
47.5°	10344.5	10327.1	10331.4	10229.3	10116.3	10537.8	10529.2	12115.3	13479.7	13173.4	9568.8
50°	11144.0	11176.6	11146.2	10944.1	10811.6	11196.2	11246.2	12856.2	14414.0	14407.5	10385.7
52.5°	11913.2	11926.2	12087.0	12095.7	11824.1	11743.7	11874.1	13603.6	15202.7	15537.3	11170.1
55°	11952.3	12002.3	12484.6	12832.3	13271.2	12625.9	12508.5	14316.3	15965.4	16643.3	11984.9
57.5°	11120.1	11200.5	12019.7	12769.3	13990.3	14140.3	13594.9	15237.5	16728.0	17731.8	12927.9
60°	9342.8	9510.1	10622.6	11769.8	13666.6	15228.8	15817.6	16489.0	17729.6	18844.3	14072.9
62.5°	5966.4	6031.6	7591.6	9512.3	12208.7	15122.3	18238.1	18694.3	19254.9	20293.5	15837.2
65°	2987.5	3196.1	4110.8	5677.4	8804.0	13325.5	19461.3	22733.5	22046.9	22774.8	18696.5
67.5°	2027.2	2094.5	2557.3	3411.2	5162.5	9440.6	18703.0	26136.0	25934.0	26053.5	21744.9
70°	1494.9	1538.3	1903.3	2416.1	3122.2	5360.2	14889.9	25879.6	27259.3	27215.9	21425.5
72.5°	1090.7	1112.4	1388.4	1844.7	2314.0	2772.4	9093.0	20906.2	23796.0	25049.6	18737.8
75°	793.1	819.1	964.7	1379.7	1799.0	1729.5	4488.9	15100.6	18146.8	20558.6	15265.7
77.5°	591.0	623.6	690.9	864.8	1260.2	1238.5	1940.3	9805.6	11737.2	13427.6	9273.3
80°	425.9	432.4	471.5	554.1	799.6	725.7	923.4	5112.5	5862.1	6422.7	3635.0
82.5°	258.6	265.1	315.0	341.1	495.4	456.3	480.2	1655.6	2372.6	2518.2	1358.0
85°	76.0	80.4	143.4	156.4	206.4	195.5	193.4	673.6	803.9	1027.7	534.5
87.5°	0.0	0.0	0.0	0.0	2.2	13.0	23.9	119.5	180.3	249.9	130.4
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°	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8	3506.8
2.5°	3543.8	3493.8	3467.7	3422.1	3389.5	3356.9	3324.3	3293.9	3280.9	3261.3	3265.6
5°	3606.8	3528.5	3450.3	3361.2	3285.2	3222.2	3165.7	3115.7	3094.0	3074.4	3083.1
7.5°	3702.4	3585.0	3435.1	3272.2	3152.7	3065.8	3007.1	2972.3	2961.5	2946.2	2946.2
10°	3824.0	3648.0	3385.1	3152.7	3009.3	2939.7	2913.7	2911.5	2922.3	2924.5	2920.2
12.5°	3958.8	3708.9	3311.3	3011.4	2889.8	2868.0	2887.6	2924.5	2961.5	2981.0	2976.7
15°	4097.8	3748.0	3185.3	2876.7	2802.8	2831.1	2894.1	2968.0	3039.7	3076.6	3074.4
17.5°	4228.2	3756.7	3022.3	2746.4	2726.8	2798.5	2907.1	3022.3	3120.1	3172.2	3174.4
20°	4373.7	3741.5	2855.0	2629.0	2650.8	2768.1	2911.5	3050.5	3165.7	3217.8	3230.9
22.5°	4506.3	3689.3	2692.0	2518.2	2585.6	2731.1	2876.7	3007.1	3109.2	3159.2	3176.6
25°	4625.8	3589.4	2513.9	2424.8	2535.6	2679.0	2789.8	2881.1	2952.8	2983.2	3007.1
27.5°	4691.0	3439.5	2379.2	2350.9	2487.8	2605.1	2666.0	2694.2	2718.1	2709.4	2726.8
30°	4704.0	3252.6	2261.8	2292.3	2416.1	2503.0	2516.0	2487.8	2446.5	2379.2	2394.4
32.5°	4691.0	3037.5	2164.1	2229.2	2335.7	2387.9	2370.5	2296.6	2196.7	2092.4	2098.9
35°	4695.3	2820.2	2083.7	2159.7	2242.3	2270.5	2227.1	2125.0	2018.5	1922.9	1918.5
37.5°	4743.1	2637.7	2016.3	2092.4	2151.0	2155.4	2107.6	2001.1	1946.8	1875.1	1866.4
40°	4875.7	2503.0	1955.5	2025.0	2061.9	2059.8	2005.4	1929.4	1966.3	1942.4	1935.9
42.5°	5092.9	2420.4	1905.5	1953.3	1979.4	1983.7	1940.3	1892.5	1972.9	1942.4	1931.6
45°	5442.7	2416.1	1870.7	1881.6	1922.9	1953.3	1922.9	1868.6	1899.0	1751.2	1723.0
47.5°	5857.7	2490.0	1844.7	1818.6	1890.3	1944.6	1896.8	1809.9	1746.9	1612.2	1592.6
50°	6357.5	2639.9	1820.8	1751.2	1842.5	1912.0	1864.2	1744.7	1649.1	1577.4	1566.6
52.5°	6950.6	2837.6	1790.3	1675.2	1770.8	1894.6	1864.2	1738.2	1612.2	1547.0	1536.1
55°	7572.0	3065.8	1755.6	1583.9	1690.4	1899.0	1879.4	1692.6	1583.9	1549.2	1540.5
57.5°	8343.4	3339.5	1692.6	1477.5	1618.7	1859.9	1818.6	1666.5	1564.4	1536.1	1527.4
60°	9345.0	3745.8	1573.1	1368.8	1536.1	1790.3	1764.3	1623.0	1512.2	1488.3	1481.8
62.5°	10931.1	4434.6	1427.5	1264.5	1438.4	1644.8	1683.9	1540.5	1447.1	1444.9	1442.7
65°	13516.7	5262.4	1255.8	1171.1	1336.2	1525.3	1577.4	1455.7	1379.7	1403.6	1401.4
67.5°	15328.8	5334.1	1114.6	1073.3	1216.7	1394.9	1471.0	1368.8	1286.3	1331.9	1329.7
70°	14040.3	4160.8	992.9	971.2	1088.5	1253.7	1355.8	1260.2	1177.6	1221.1	1212.4
72.5°	11841.5	3189.6	877.8	864.8	958.2	1105.9	1208.0	1151.6	1064.6	1064.6	1045.1
75°	9516.6	2631.2	756.1	749.6	812.6	956.0	1071.2	975.6	895.2	890.8	877.8
77.5°	5457.9	1725.2	634.4	630.1	649.7	799.6	832.2	812.6	751.8	723.5	714.8
80°	2174.9	897.3	499.7	471.5	491.0	586.6	656.2	623.6	571.4	536.7	517.1
82.5°	843.0	449.8	352.0	308.5	336.8	423.7	475.8	465.0	430.2	352.0	330.3
85°	343.3	219.4	210.8	178.2	195.5	228.1	273.8	236.8	195.5	139.1	132.5
87.5°	91.3	80.4	78.2	47.8	36.9	10.9	2.2	0.0	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)