

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: P632917

Luminaire Tested: GWS-SA2D-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11576 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

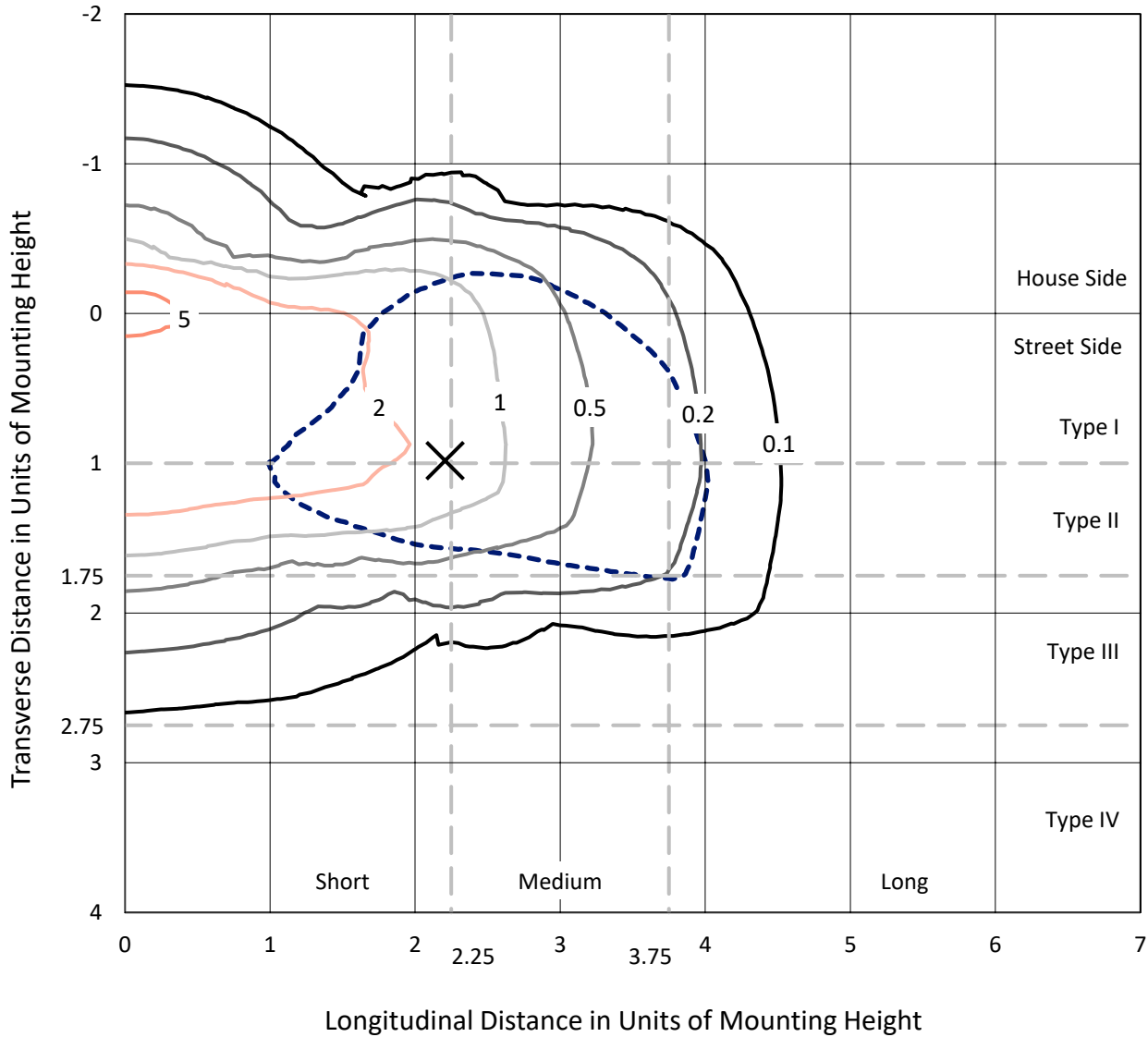
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

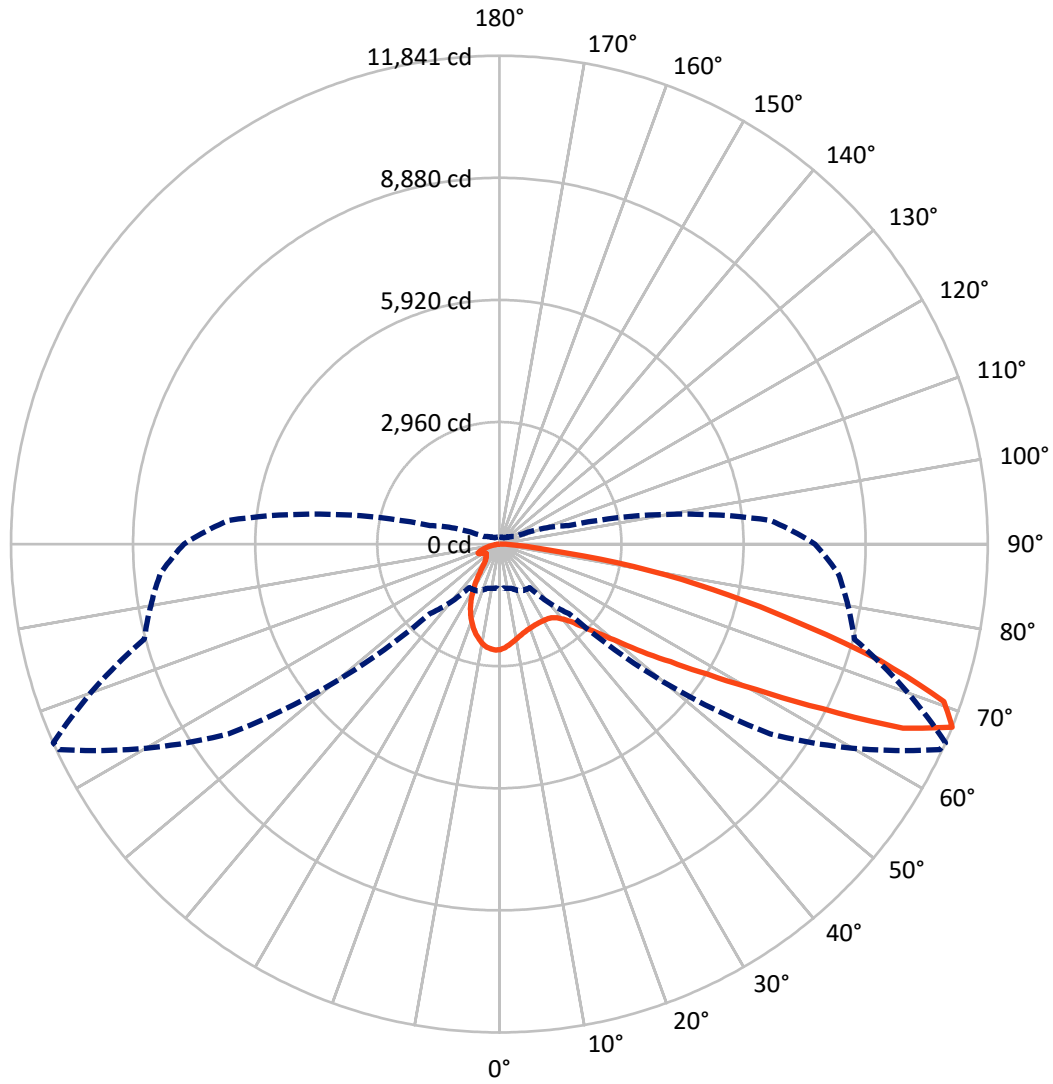
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2349.0	0.0	2349.0
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	9227.0	0.0	9227.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	11576.0	0.0	11576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.5	1.9
10°-20°	551.7	4.8
20°-30°	758.4	6.6
30°-40°	1036.8	9.0
40°-50°	1571.0	13.6
50°-60°	2442.2	21.1
60°-70°	2973.3	25.7
70°-80°	1811.2	15.6
80°-90°	206.9	1.8
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°	11576.0	100.0
0°-180°	11576.0	100.0

Coefficient of Utilization



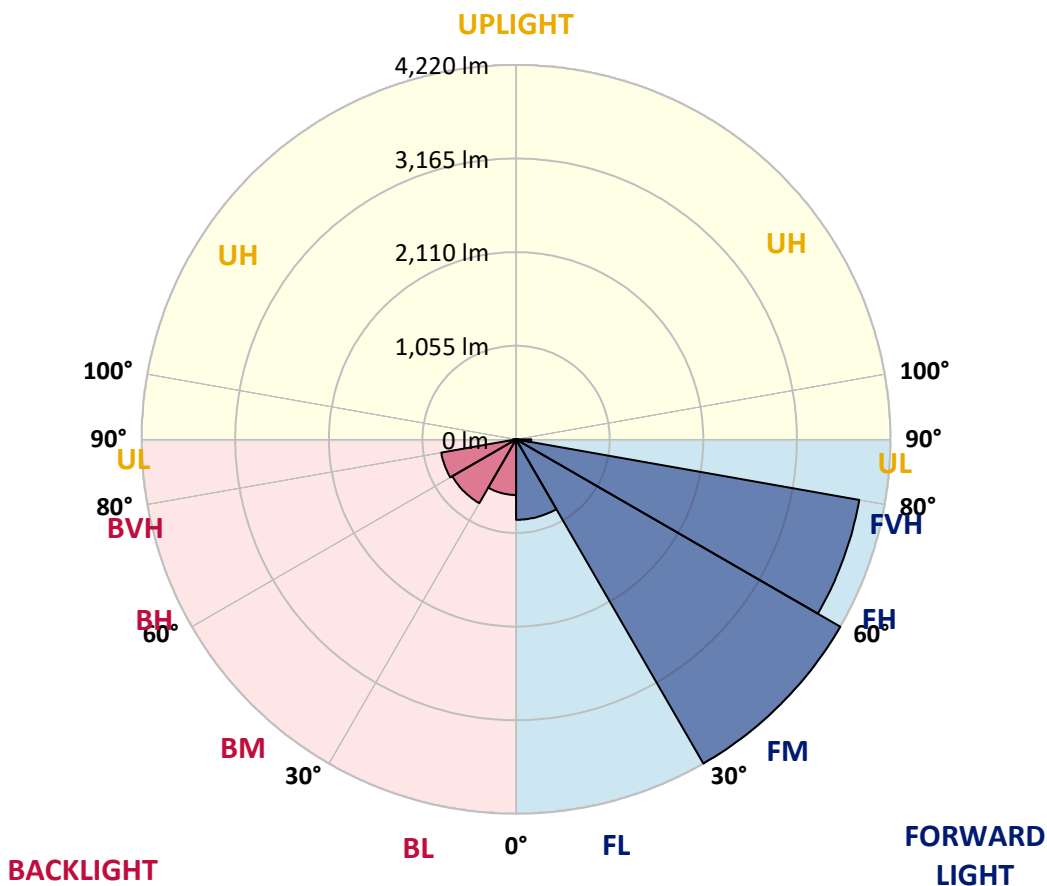
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	907.0	7.8			
FM (30°-60°)	4219.9	36.5			
FH (60°-80°)	3928.0	33.9			G2/5000
FVH (80°-90°)	172.0	1.5			G2/225
BL (0°-30°)	627.5	5.4	B2/1000		
BM (30°-60°)	830.1	7.2	B1/1000		
BH (60°-80°)	856.5	7.4	B2/1000		G2/1000
BVH (80°-90°)	34.9	0.3			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°	65°	66°	75°	85°
0°	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0
2.5°	2395.8	2404.3	2399.2	2431.3	2433.0	2473.5	2496.3	2515.7	2517.4	2542.8	2559.7
5°	2232.0	2237.1	2237.1	2267.5	2287.7	2341.8	2394.1	2449.9	2454.1	2514.9	2561.3
7.5°	2099.4	2104.5	2101.1	2141.6	2167.8	2227.8	2294.5	2379.8	2388.2	2486.2	2567.3
10°	1995.5	1993.8	2002.3	2039.4	2073.2	2145.0	2219.3	2316.4	2329.1	2453.3	2574.0
12.5°	1924.6	1926.3	1931.4	1970.2	2006.5	2077.5	2154.3	2259.9	2273.4	2415.2	2570.6
15°	1890.8	1887.4	1891.7	1927.1	1961.8	2024.2	2103.6	2212.6	2226.1	2381.5	2571.5
17.5°	1883.2	1880.7	1879.8	1905.2	1931.4	1989.6	2065.6	2176.3	2190.6	2359.5	2576.5
20°	1906.9	1903.5	1894.2	1905.2	1916.2	1965.1	2038.6	2150.1	2166.1	2345.2	2586.7
22.5°	1971.9	1966.0	1951.6	1938.1	1923.8	1953.3	2021.7	2130.7	2146.7	2335.9	2596.8
25°	2070.7	2065.6	2050.4	2020.0	1967.7	1962.6	2018.3	2122.2	2138.3	2329.1	2601.0
27.5°	2206.7	2199.1	2183.9	2139.9	2054.6	1997.2	2031.0	2121.4	2136.6	2321.5	2596.8
30°	2368.0	2362.9	2354.4	2301.2	2187.2	2070.7	2059.7	2128.1	2139.9	2317.3	2588.4
32.5°	2531.8	2526.7	2533.5	2508.1	2368.0	2192.3	2122.2	2146.7	2155.1	2316.4	2580.8
35°	2676.2	2682.1	2731.1	2735.3	2597.7	2357.0	2221.0	2189.8	2191.5	2333.3	2584.1
37.5°	2827.4	2850.2	2914.3	2969.2	2854.4	2574.9	2368.0	2270.8	2269.2	2376.4	2605.3
40°	3027.5	3037.6	3119.6	3222.6	3150.8	2873.8	2576.5	2403.4	2391.6	2464.2	2661.8
42.5°	3222.6	3247.1	3378.0	3496.2	3472.6	3210.8	2839.2	2601.9	2580.8	2619.6	2778.4
45°	3470.9	3494.5	3641.5	3793.5	3836.5	3591.6	3175.3	2883.9	2862.8	2853.5	2992.0
47.5°	3719.1	3743.6	3875.4	4094.9	4246.1	4067.9	3612.7	3256.4	3221.7	3185.4	3314.6
50°	3886.4	3915.1	4040.9	4304.4	4659.1	4662.4	4131.3	3744.5	3700.6	3643.1	3769.0
52.5°	3880.4	3899.0	4018.9	4323.0	4956.3	5345.6	4825.4	4366.0	4330.6	4205.6	4315.4
55°	3575.6	3603.4	3724.2	4104.2	4988.4	5993.4	5845.6	5099.0	5035.7	4811.9	4932.7
57.5°	2963.3	2987.0	3108.6	3577.3	4703.8	6325.2	7141.0	6033.1	5946.1	5472.3	5611.7
60°	2237.1	2208.3	2265.8	2676.2	4023.2	6333.7	8284.5	7299.8	7154.5	6178.3	6294.8
62.5°	1678.9	1650.1	1662.8	1778.5	2727.7	5821.9	8936.4	9032.7	8792.9	6975.5	6952.7
65°	1326.7	1310.7	1347.0	1426.3	1590.2	4433.6	8941.5	10906.6	10755.5	7899.4	7627.5
67.5°	1081.0	1070.8	1108.0	1254.9	1289.5	2382.3	8017.6	11781.5	11840.6	8911.1	8253.2
70°	870.7	855.5	913.7	1107.1	1199.2	1441.5	5743.4	11335.6	11431.0	9514.1	8076.7
72.5°	601.3	602.1	631.7	896.9	1157.8	1244.8	3248.8	9438.9	9645.8	8967.7	7100.5
75°	405.4	408.7	417.2	592.0	1066.6	1207.6	1731.2	7146.1	7292.2	7412.1	5869.2
77.5°	244.9	246.6	266.0	358.1	735.6	1127.4	1173.0	5180.1	5295.0	4886.2	3638.1
80°	141.9	147.8	165.5	239.8	496.6	847.0	907.8	3176.1	3306.2	2172.0	1156.1
82.5°	62.5	66.7	90.4	139.3	289.7	720.4	708.5	1254.9	1236.3	605.5	401.1
85°	11.0	13.5	19.4	43.9	106.4	380.0	549.8	554.0	521.1	229.7	166.4
87.5°	0.0	0.0	0.0	0.0	0.0	2.5	82.8	148.6	147.8	65.0	57.4
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°	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0	2558.0
2.5°	2570.6	2547.8	2568.1	2570.6	2566.4	2563.0	2537.7	2515.7	2513.2	2489.6	2489.6
5°	2579.9	2558.8	2568.9	2549.5	2519.1	2487.9	2433.8	2396.7	2379.8	2349.4	2349.4
7.5°	2592.6	2570.6	2558.8	2510.7	2439.7	2371.3	2284.4	2211.7	2182.2	2139.1	2137.4
10°	2604.4	2576.5	2536.0	2442.3	2329.1	2220.2	2093.5	1990.5	1920.4	1868.9	1868.9
12.5°	2603.6	2567.3	2487.0	2348.5	2192.3	2034.4	1865.5	1710.1	1617.2	1537.0	1531.9
15°	2601.9	2552.1	2424.5	2239.6	2032.7	1814.0	1584.3	1381.6	1243.9	1165.4	1158.6
17.5°	2600.2	2532.6	2354.4	2115.5	1838.5	1540.4	1237.2	1017.6	902.8	854.6	856.3
20°	2600.2	2510.7	2279.3	1972.7	1614.7	1212.7	907.8	748.2	719.5	722.0	724.6
22.5°	2592.6	2483.7	2195.7	1817.3	1365.5	891.8	669.7	615.6	630.8	654.5	657.9
25°	2574.9	2438.9	2098.6	1645.1	1069.1	649.4	546.4	536.3	564.1	593.7	602.1
27.5°	2547.0	2387.4	1989.6	1443.2	787.1	521.9	480.5	479.7	501.6	523.6	531.2
30°	2517.4	2330.0	1874.8	1218.6	570.0	454.3	438.3	438.3	449.3	462.8	461.1
32.5°	2482.8	2271.7	1751.5	984.7	464.5	416.3	411.3	408.7	410.4	415.5	415.5
35°	2453.3	2220.2	1624.8	737.2	416.3	395.2	390.2	384.2	381.7	378.3	380.0
37.5°	2442.3	2179.6	1493.9	555.7	392.7	380.0	371.6	363.1	357.2	355.5	354.7
40°	2460.0	2162.7	1363.0	457.7	375.8	364.0	354.7	343.7	338.6	338.6	338.6
42.5°	2529.3	2175.4	1229.6	413.8	364.0	350.5	337.0	326.8	325.1	326.8	327.7
45°	2655.9	2224.4	1091.1	391.8	353.8	337.0	320.9	313.3	313.3	315.0	315.0
47.5°	2882.3	2352.8	954.3	378.3	343.7	326.0	309.1	301.5	300.6	302.3	302.3
50°	3274.1	2584.1	831.0	369.0	336.1	317.5	300.6	290.5	288.0	287.1	287.1
52.5°	3768.1	2985.3	752.4	362.3	326.8	308.2	291.3	277.8	272.8	270.2	270.2
55°	4365.2	3519.8	752.4	357.2	315.0	297.3	277.8	264.3	256.7	253.3	253.3
57.5°	5041.6	4142.2	882.5	353.0	305.7	284.6	263.5	250.0	241.5	236.5	236.5
60°	5729.9	4800.1	1204.2	347.1	297.3	268.5	247.4	234.8	223.8	217.9	217.0
62.5°	6443.5	5524.7	1628.2	350.5	291.3	253.3	230.5	216.2	206.9	201.0	200.1
65°	7097.1	6214.6	1998.9	376.6	292.2	239.8	211.1	198.5	190.9	183.3	182.4
67.5°	7651.9	6595.5	1738.8	429.8	309.9	223.8	191.7	179.0	172.3	167.2	166.4
70°	7263.5	6014.5	986.4	462.8	334.4	206.9	169.7	161.3	154.5	151.2	150.3
72.5°	6211.2	5092.3	659.5	408.7	304.9	184.9	149.5	142.7	137.7	133.4	132.6
75°	5031.5	4038.4	504.2	335.3	237.3	150.3	128.4	123.3	118.2	114.0	113.2
77.5°	2976.8	2333.3	371.6	265.2	167.2	117.4	106.4	102.2	97.1	93.7	92.9
80°	950.1	810.7	235.6	182.4	110.6	90.4	81.9	78.5	73.5	69.2	68.4
82.5°	362.3	313.3	125.0	92.9	73.5	61.6	54.9	51.5	48.1	43.9	43.1
85°	160.5	150.3	69.2	49.8	39.7	30.4	27.0	25.3	21.1	17.7	16.9
87.5°	56.6	56.6	29.6	14.4	8.4	4.2	2.5	0.8	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)