

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: P632426

Luminaire Tested: GWS-SA2C-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9149.2 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

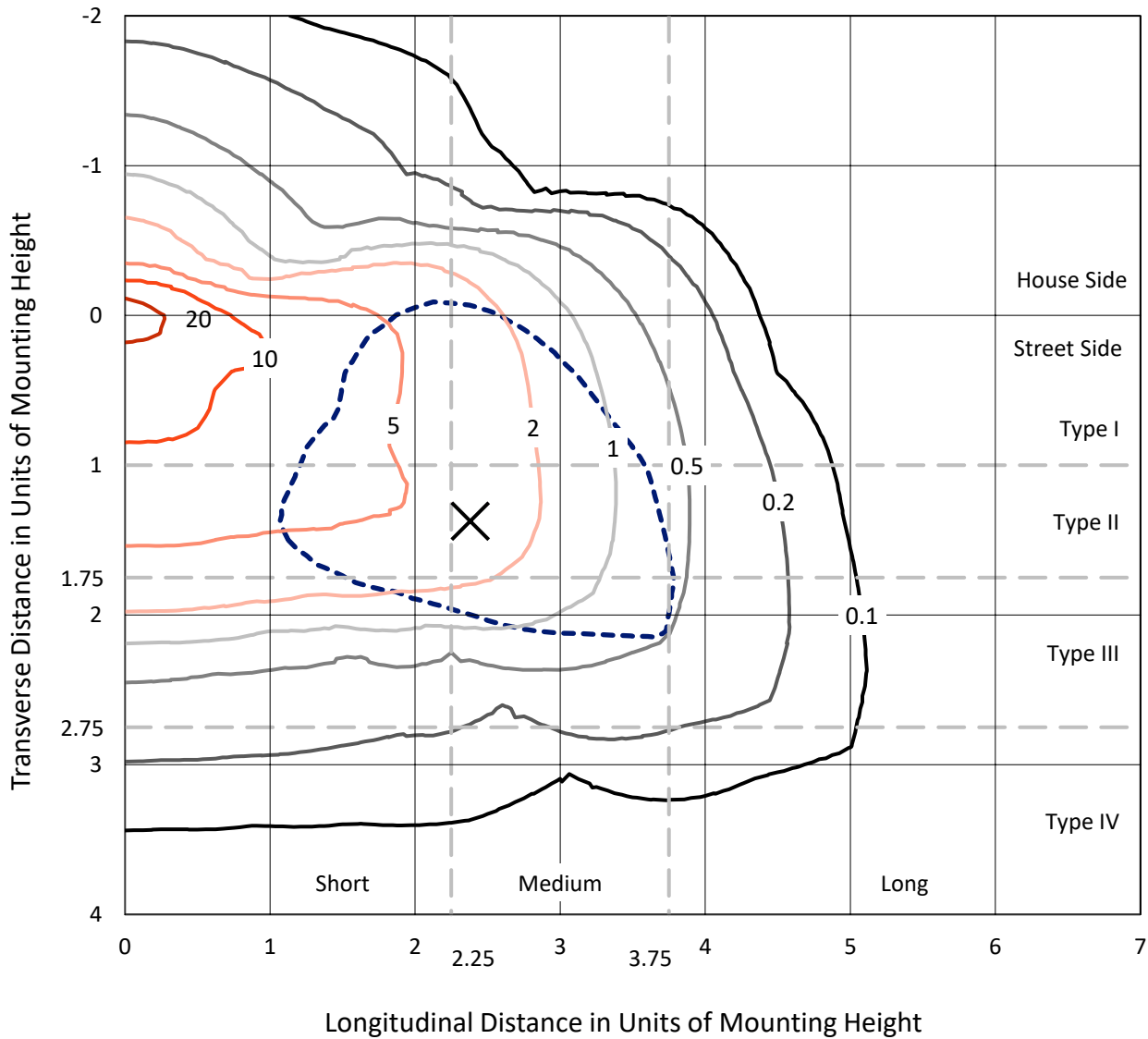
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

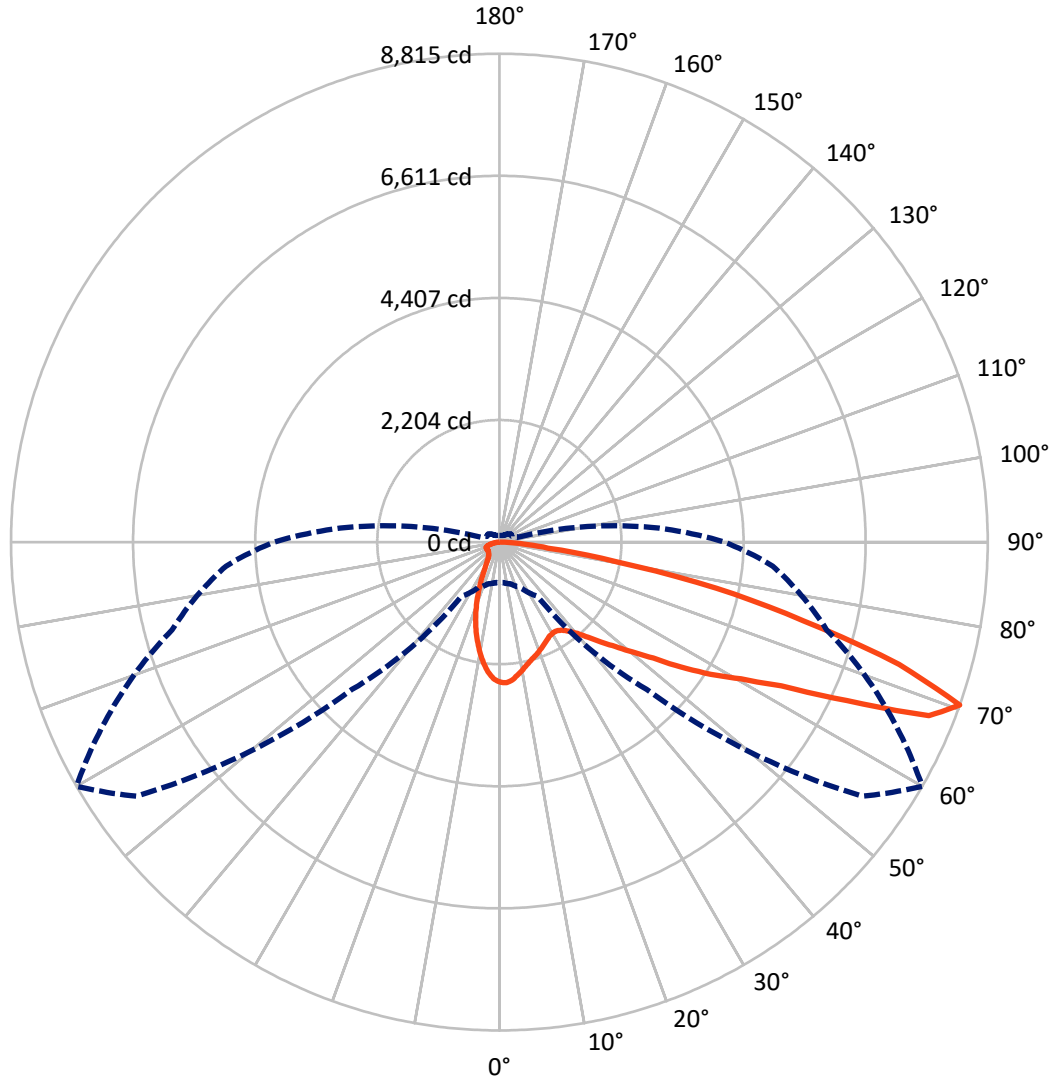
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.7	0.0	1564.7
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	7584.5	0.0	7584.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	9149.2	0.0	9149.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.2	2.4
10°-20°	488.9	5.3
20°-30°	626.1	6.8
30°-40°	822.9	9.0
40°-50°	1193.8	13.0
50°-60°	1862.6	20.4
60°-70°	2438.6	26.7
70°-80°	1348.5	14.7
80°-90°	149.6	1.6
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°	9149.2	100.0
0°-180°	9149.2	100.0

Coefficient of Utilization



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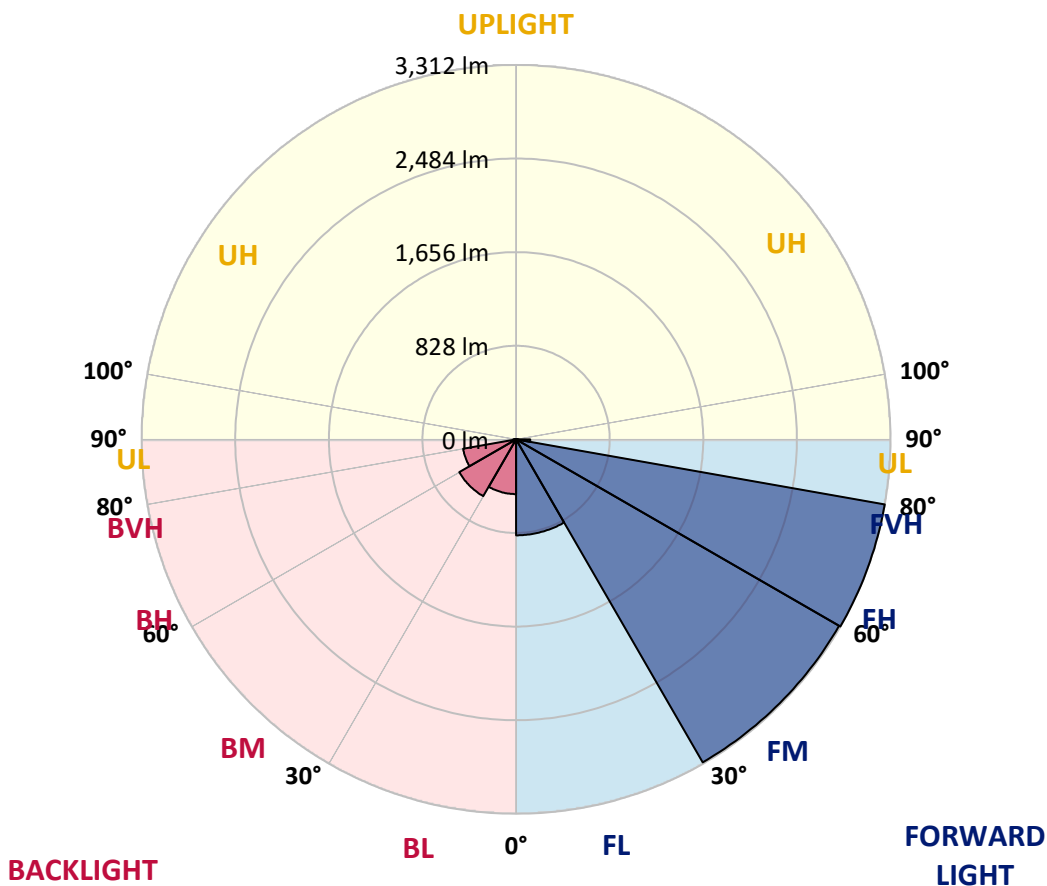
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	849.1	9.3			
FM (30°-60°)	3299.2	36.1			
FH (60°-80°)	3311.5	36.2			G2/5000
FVH (80°-90°)	124.7	1.4			G2/225
BL (0°-30°)	484.1	5.3	B1/500		
BM (30°-60°)	580.2	6.3	B1/1000		
BH (60°-80°)	475.5	5.2	B1/500		G1/500
BVH (80°-90°)	24.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7
2.5°	2496.2	2498.9	2506.3	2517.0	2527.7	2533.0	2546.4	2542.4	2539.7	2534.4	2527.7
5°	2385.8	2391.1	2397.8	2418.6	2442.0	2460.7	2490.9	2494.2	2495.6	2498.2	2487.5
7.5°	2245.2	2246.5	2262.6	2290.0	2320.8	2353.0	2403.2	2417.2	2429.3	2442.7	2434.0
10°	2089.9	2093.2	2105.3	2144.8	2197.7	2245.2	2312.8	2336.2	2361.7	2391.1	2379.1
12.5°	1962.7	1963.4	1982.8	2025.0	2082.5	2146.8	2231.1	2259.3	2292.7	2338.9	2328.2
15°	1861.6	1861.6	1879.7	1915.8	1982.1	2057.8	2158.2	2194.3	2239.8	2302.1	2283.4
17.5°	1781.3	1782.0	1793.3	1831.5	1890.4	1974.1	2093.2	2142.1	2192.3	2274.6	2246.5
20°	1739.1	1735.8	1737.8	1761.2	1811.4	1892.4	2028.3	2085.2	2152.8	2255.9	2213.1
22.5°	1737.1	1731.1	1722.4	1724.4	1753.8	1820.8	1958.7	2027.6	2112.7	2240.5	2178.9
25°	1771.3	1764.6	1749.2	1731.8	1729.1	1769.2	1893.1	1971.4	2071.1	2233.8	2146.1
27.5°	1828.8	1824.1	1804.1	1777.9	1750.5	1749.2	1843.6	1925.2	2041.0	2240.5	2122.7
30°	1905.1	1897.1	1884.4	1850.9	1809.4	1766.6	1824.1	1900.5	2020.9	2261.9	2112.7
32.5°	1991.5	1986.8	1974.8	1941.3	1897.1	1828.8	1839.5	1905.8	2020.9	2299.4	2114.7
35°	2083.2	2082.5	2082.5	2060.4	2011.6	1926.6	1900.5	1951.3	2051.7	2359.7	2136.1
37.5°	2172.2	2171.6	2193.0	2201.0	2145.5	2053.7	2004.2	2042.4	2119.3	2448.7	2189.0
40°	2244.5	2247.2	2294.1	2334.2	2303.4	2218.4	2148.8	2168.2	2229.1	2575.2	2281.3
42.5°	2317.5	2324.9	2395.1	2466.1	2478.1	2404.5	2334.2	2345.6	2386.4	2742.6	2419.2
45°	2397.2	2400.5	2498.9	2598.0	2656.2	2612.7	2555.1	2570.5	2579.9	2949.4	2624.7
47.5°	2474.1	2482.8	2610.0	2745.9	2856.4	2852.3	2820.2	2815.5	2817.5	3201.1	2867.7
50°	2579.2	2591.9	2741.2	2905.2	3067.2	3141.5	3150.9	3115.4	3100.7	3480.9	3170.3
52.5°	2778.7	2778.7	2912.6	3073.9	3291.5	3475.6	3538.5	3480.3	3433.4	3776.8	3491.6
55°	3028.4	3039.1	3145.5	3276.1	3551.9	3827.0	4039.9	3975.6	3843.1	4098.8	3828.3
57.5°	3139.5	3152.9	3321.6	3524.4	3892.6	4226.6	4521.9	4499.1	4305.6	4433.5	4177.8
60°	2938.7	2966.8	3199.1	3539.2	4201.2	4871.3	5079.5	5013.2	4736.7	4784.9	4556.7
62.5°	2451.4	2482.2	2739.9	3214.5	4158.4	5568.1	5958.4	5714.1	5274.9	5228.7	5061.4
65°	1462.7	1461.3	1771.3	2400.5	3630.2	5761.6	7349.4	6893.6	6106.3	5837.9	5580.9
67.5°	929.8	927.8	992.7	1271.9	2415.9	5287.7	8243.8	8362.2	7235.6	6285.7	5623.7
70°	733.7	733.0	779.9	907.0	1194.9	3762.7	7994.7	8814.8	7917.8	6115.0	4951.6
72.5°	534.9	536.2	608.5	759.8	921.8	1889.1	6473.8	7542.2	7282.5	5398.1	4019.8
75°	384.2	386.2	429.8	581.7	850.1	1032.9	4305.0	5671.2	5540.7	4327.1	2765.3
77.5°	244.3	247.0	285.2	407.7	686.8	834.1	2610.0	4003.7	3686.4	2438.0	983.4
80°	149.3	158.0	190.1	303.9	548.9	625.9	1304.7	2109.3	1846.2	668.7	330.7
82.5°	77.0	83.7	114.5	188.1	378.2	549.6	738.4	886.3	571.7	279.8	176.1
85°	24.1	28.1	40.2	76.3	180.1	340.7	488.7	440.5	262.4	131.9	81.7
87.5°	6.0	6.0	6.7	6.7	7.4	15.4	94.4	99.7	69.6	41.5	33.5
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°	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7	2531.7
2.5°	2514.3	2498.2	2491.5	2490.9	2474.1	2450.0	2434.0	2422.6	2415.9	2414.6	2414.6
5°	2469.4	2448.7	2421.2	2400.5	2355.6	2310.1	2272.0	2250.6	2225.8	2222.4	2221.8
7.5°	2409.9	2379.7	2327.5	2269.3	2191.0	2115.3	2051.1	2007.6	1964.0	1956.0	1953.3
10°	2345.6	2304.8	2215.7	2113.3	1996.2	1883.0	1784.6	1707.7	1656.8	1620.6	1613.9
12.5°	2282.0	2227.8	2097.3	1944.6	1784.0	1629.3	1481.4	1355.6	1264.5	1211.6	1202.3
15°	2222.4	2146.8	1968.1	1773.3	1564.4	1352.9	1143.3	980.0	852.2	806.6	795.9
17.5°	2168.2	2073.8	1842.9	1595.9	1335.5	1059.0	820.7	675.4	600.5	577.7	572.3
20°	2114.0	1998.9	1715.7	1409.1	1092.5	782.5	599.8	531.5	503.4	494.7	492.0
22.5°	2055.8	1916.5	1577.1	1225.0	846.8	585.7	490.7	460.6	451.9	452.5	451.9
25°	1997.5	1832.8	1431.9	1024.9	630.6	475.3	428.4	417.0	419.0	425.1	426.4
27.5°	1949.3	1758.5	1289.3	805.3	492.7	409.0	386.9	386.2	393.6	401.6	403.0
30°	1914.5	1692.3	1148.7	619.2	405.7	363.5	354.8	358.8	367.5	373.5	375.5
32.5°	1889.7	1635.4	998.8	486.7	355.5	331.4	327.3	331.4	336.7	342.7	344.1
35°	1881.0	1593.9	851.5	397.0	321.3	307.9	305.3	307.3	309.9	313.3	314.6
37.5°	1900.5	1573.1	697.5	345.4	300.6	292.5	288.5	287.2	287.8	289.2	289.9
40°	1958.0	1582.5	571.7	315.3	287.2	279.8	273.1	270.4	269.8	271.1	270.4
42.5°	2057.1	1622.0	480.6	297.9	276.5	265.8	258.4	255.7	255.7	259.1	259.1
45°	2202.4	1699.6	415.0	285.2	267.1	253.7	245.7	244.3	247.0	252.4	253.0
47.5°	2415.2	1813.4	375.5	275.8	258.4	243.0	235.0	234.3	239.6	248.4	249.0
50°	2667.6	1977.4	354.1	269.1	252.4	234.3	226.3	226.9	233.0	242.3	244.3
52.5°	2971.5	2201.0	355.5	266.4	249.0	228.9	220.9	219.6	225.6	235.0	237.0
55°	3285.5	2472.8	381.6	267.1	244.3	226.3	215.5	210.9	216.2	222.9	223.6
57.5°	3630.9	2779.4	446.5	265.8	238.3	223.6	210.9	200.2	203.5	207.5	209.5
60°	4020.5	3140.2	586.4	268.4	235.6	217.6	201.5	187.4	186.8	189.4	190.1
62.5°	4541.3	3630.9	743.7	273.1	241.7	210.2	187.4	172.7	170.0	171.4	172.0
65°	4939.6	3865.2	694.2	269.1	254.4	204.8	174.0	158.6	153.3	152.0	152.0
67.5°	4777.6	3555.2	483.3	258.4	260.4	205.5	163.3	143.9	137.2	133.9	133.2
70°	4065.3	2887.8	336.0	247.7	253.7	204.2	152.0	131.9	123.2	118.5	117.8
72.5°	3211.8	2205.0	271.8	226.3	230.3	184.1	135.2	118.5	111.1	105.1	105.1
75°	2067.1	1345.5	226.9	201.5	188.1	143.3	117.1	105.8	98.4	92.4	92.4
77.5°	695.5	499.4	176.1	170.7	140.6	107.8	98.4	91.0	85.0	79.7	79.0
80°	282.5	237.0	129.2	129.2	98.4	82.3	77.0	73.6	69.6	62.9	62.9
82.5°	164.0	143.9	90.4	78.3	65.6	56.9	53.6	50.2	50.2	45.5	45.5
85°	79.0	79.7	54.2	48.2	37.5	32.8	31.5	29.5	28.8	26.1	25.4
87.5°	42.8	43.5	27.4	21.4	14.7	12.7	10.7	10.0	9.4	8.7	8.7
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)