

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: P634928

Luminaire Tested: GWS-SA3C-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14307.2 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

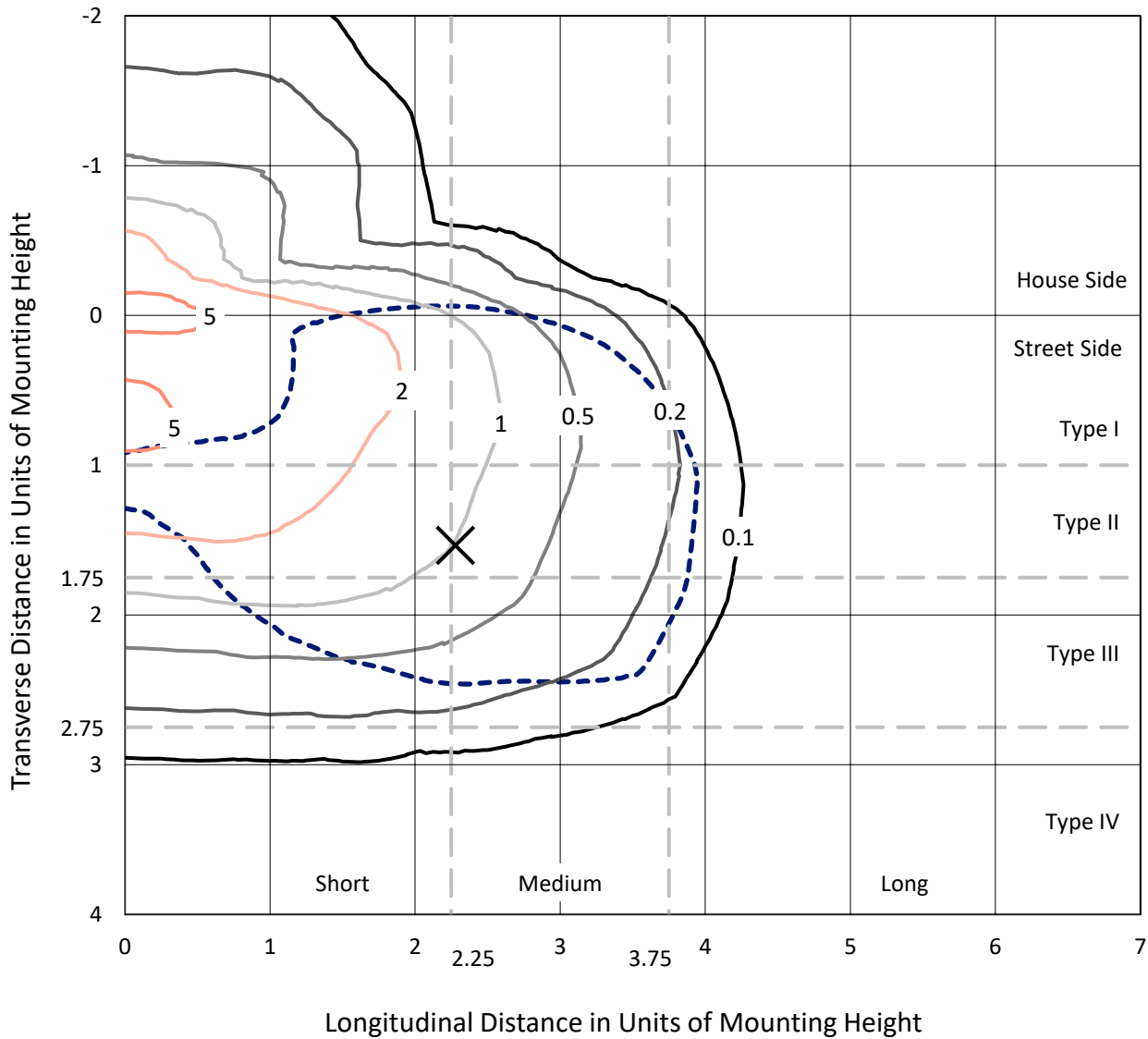
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

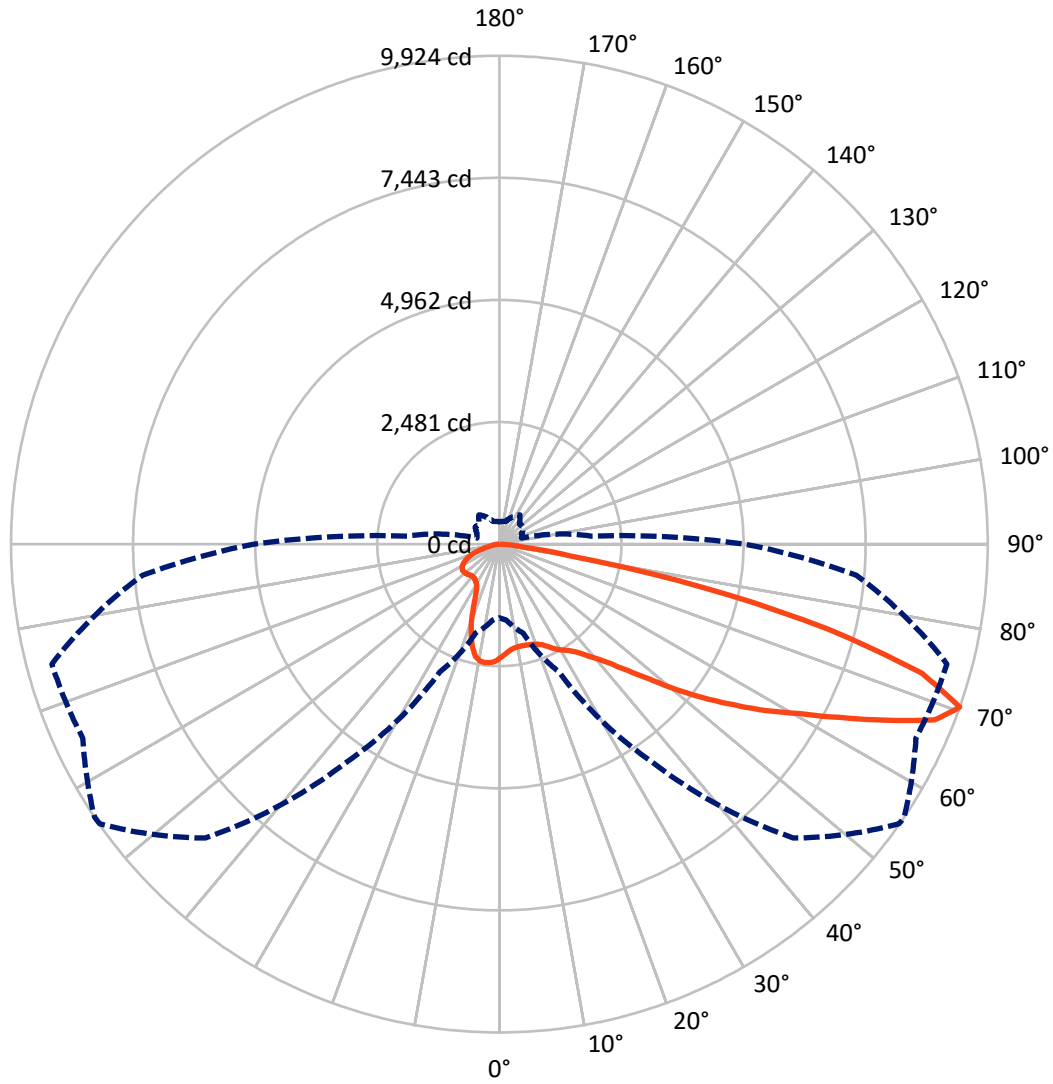
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2750.6	0.0	2750.6
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	11556.6	0.0	11556.6
	% Fixture	80.8	0.0	80.8
Total	Lumens	14307.2	0.0	14307.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.7	1.5
10°-20°	579.1	4.0
20°-30°	957.3	6.7
30°-40°	1431.4	10.0
40°-50°	2130.0	14.9
50°-60°	3028.3	21.2
60°-70°	3750.6	26.2
70°-80°	2071.0	14.5
80°-90°	145.9	1.0
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°	14307.2	100.0
0°-180°	14307.2	100.0

Coefficient of Utilization



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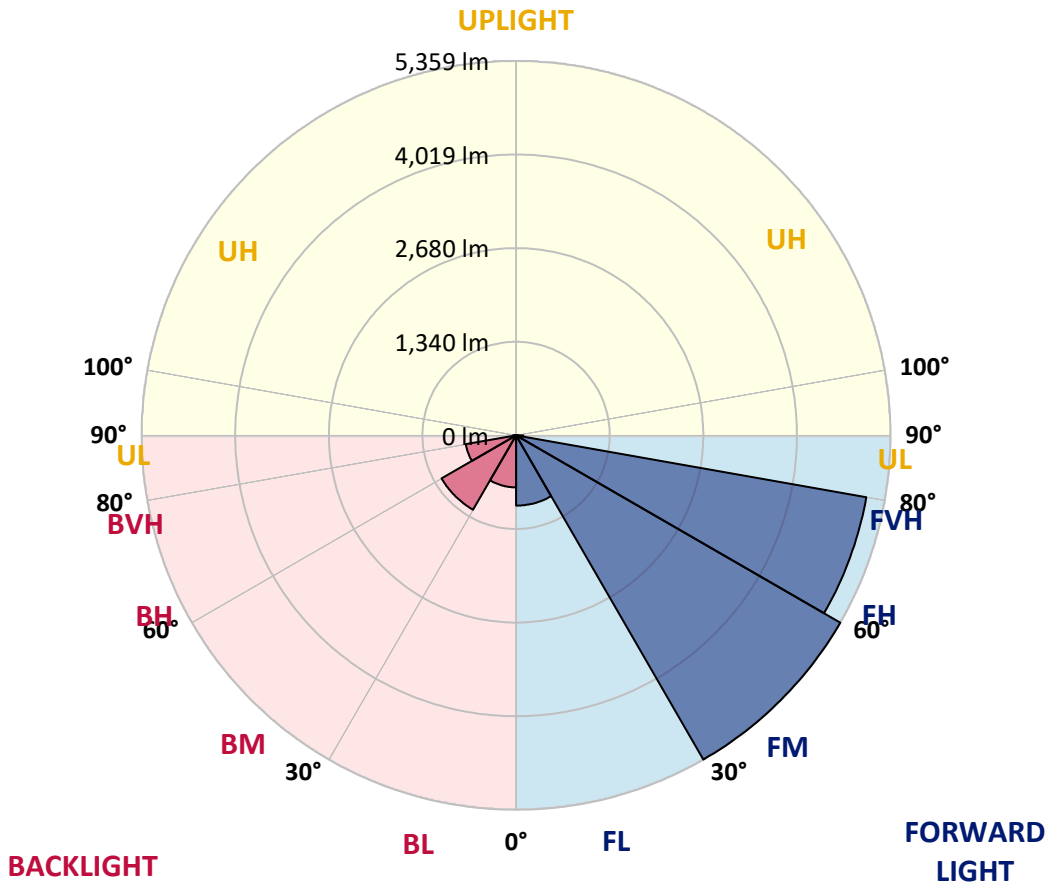
CATALOG NUMBER: GWS-SA3C-760-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1005.5	7.0			
FM (30°-60°)	5359.3	37.5			
FH (60°-80°)	5090.5	35.6			G3/7500
FVH (80°-90°)	101.4	0.7			G2/225
BL (0°-30°)	744.6	5.2	B2/1000		
BM (30°-60°)	1230.4	8.6	B2/2500		
BH (60°-80°)	731.1	5.1	B2/1000		G2/1000
BVH (80°-90°)	44.5	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4
2.5°	2161.1	2149.0	2163.1	2170.2	2188.3	2214.6	2237.8	2238.8	2250.9	2280.1	2308.4
5°	2063.2	2057.2	2061.2	2082.4	2101.6	2134.9	2170.2	2173.2	2207.5	2265.0	2321.5
7.5°	1987.6	1979.5	1994.6	2021.9	2046.1	2083.4	2129.8	2133.9	2182.3	2269.0	2355.8
10°	1878.6	1872.5	1900.8	1937.1	1989.6	2051.1	2112.7	2117.7	2181.3	2295.3	2416.3
12.5°	1831.2	1831.2	1843.3	1877.6	1935.1	2016.8	2109.6	2117.7	2197.4	2335.6	2494.0
15°	1904.8	1909.9	1899.8	1897.8	1921.0	1998.7	2113.7	2125.8	2227.7	2377.0	2570.7
17.5°	2053.1	2058.2	2032.0	1990.6	1967.4	2015.8	2128.8	2141.9	2260.0	2422.4	2653.4
20°	2261.0	2267.0	2209.5	2146.0	2066.3	2065.2	2158.1	2170.2	2301.3	2471.8	2741.2
22.5°	2504.1	2508.2	2435.5	2334.6	2212.5	2157.1	2208.5	2220.6	2354.8	2540.4	2836.1
25°	2785.6	2797.7	2709.9	2563.6	2398.2	2283.2	2292.3	2306.4	2450.6	2632.3	2948.0
27.5°	3086.3	3101.4	3000.5	2839.1	2611.1	2422.4	2400.2	2412.3	2552.6	2688.8	3007.6
30°	3394.0	3405.1	3304.2	3119.6	2840.1	2579.8	2491.0	2498.1	2596.9	2716.0	3068.1
32.5°	3736.0	3726.9	3630.1	3417.2	3104.4	2768.5	2575.8	2573.7	2646.4	2770.5	3154.9
35°	4056.8	4070.0	3967.0	3732.0	3395.0	3001.5	2702.9	2694.8	2751.3	2859.3	3276.9
37.5°	4445.3	4441.2	4318.1	4063.9	3686.6	3224.5	2881.5	2867.3	2887.5	2997.5	3447.5
40°	4722.7	4751.0	4671.3	4434.2	4027.6	3498.9	3090.3	3059.0	3064.1	3168.0	3675.5
42.5°	4949.7	4976.0	4984.0	4832.7	4418.0	3837.9	3350.6	3319.3	3322.4	3469.7	3955.9
45°	5124.3	5159.6	5273.6	5229.2	4857.9	4229.4	3702.7	3670.4	3672.4	3835.9	4294.9
47.5°	5195.9	5234.2	5465.3	5571.2	5325.0	4697.5	4140.6	4093.2	4100.2	4280.8	4682.4
50°	5172.7	5224.2	5536.9	5834.5	5716.5	5173.7	4664.2	4630.9	4603.7	4866.0	5103.1
52.5°	4972.9	5029.4	5529.9	6002.0	6036.3	5623.7	5205.0	5185.8	5179.8	5487.5	5573.2
55°	4384.7	4479.6	5286.7	6046.4	6286.5	6047.4	5791.2	5758.9	5790.2	6153.4	6048.4
57.5°	4058.9	4129.5	4810.5	5997.0	6491.3	6451.0	6376.3	6379.4	6414.7	6876.8	6624.5
60°	3873.2	3955.9	4546.2	5861.8	6688.1	6941.3	6988.7	6988.7	7052.3	7656.6	7209.7
62.5°	3627.0	3710.8	4299.0	5601.5	6869.7	7518.4	7758.5	7755.5	7780.7	8493.0	7781.7
65°	3127.6	3205.3	3802.6	5190.9	6958.5	8154.0	8633.3	8624.2	8573.7	9237.6	8160.1
67.5°	2271.1	2344.7	2912.7	4410.0	6638.6	8666.6	9534.2	9538.3	9236.6	9706.8	8180.3
70°	1497.2	1547.7	1872.5	2864.3	5398.7	8445.6	9911.6	9923.7	9338.5	9414.2	7280.3
72.5°	934.3	969.6	1169.3	1708.1	3190.2	6685.1	8943.0	8976.3	8401.2	8273.1	5981.8
75°	620.5	644.7	777.9	995.8	1476.0	3618.0	6798.1	6905.0	6733.5	6485.3	4167.8
77.5°	373.3	393.5	495.4	632.6	653.8	1413.5	3968.1	4244.5	4268.7	3385.9	1745.4
80°	170.5	193.7	273.4	361.2	348.1	492.3	1399.4	1463.9	1727.3	1075.5	550.9
82.5°	100.9	111.0	181.6	179.6	148.3	239.1	503.4	516.6	438.9	393.5	235.1
85°	40.4	47.4	76.7	67.6	54.5	77.7	189.7	198.8	190.7	171.5	86.8
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	17.2	18.2	26.2	47.4	26.2
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°	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4	2309.4
2.5°	2326.6	2320.5	2350.8	2374.0	2384.1	2394.2	2385.1	2382.0	2382.0	2361.9	2351.8
5°	2351.8	2354.8	2396.2	2415.3	2415.3	2407.3	2383.1	2365.9	2359.8	2333.6	2326.6
7.5°	2399.2	2412.3	2450.6	2449.6	2421.4	2377.0	2316.5	2270.1	2227.7	2209.5	2198.4
10°	2476.9	2494.0	2520.3	2477.9	2399.2	2282.2	2154.0	2053.1	1992.6	1944.2	1944.2
12.5°	2565.7	2581.8	2576.8	2478.9	2316.5	2097.5	1912.9	1796.9	1712.1	1667.7	1667.7
15°	2654.5	2667.6	2613.1	2432.5	2143.9	1852.4	1650.6	1511.4	1437.7	1396.3	1396.3
17.5°	2744.2	2743.2	2628.2	2325.5	1919.0	1581.0	1383.2	1275.3	1250.0	1243.0	1242.0
20°	2831.0	2807.8	2609.0	2147.0	1657.6	1307.6	1182.4	1189.5	1226.8	1243.0	1245.0
22.5°	2928.9	2871.4	2552.6	1919.0	1361.0	1117.9	1125.9	1184.5	1238.9	1263.2	1266.2
25°	3028.8	2925.8	2457.7	1651.6	1112.8	1048.3	1110.8	1176.4	1237.9	1269.2	1272.2
27.5°	3069.1	2925.8	2296.3	1341.9	980.7	1019.0	1087.6	1151.2	1215.7	1252.1	1259.1
30°	3102.4	2900.6	2070.3	1062.4	926.2	990.8	1050.3	1108.8	1172.4	1216.7	1224.8
32.5°	3148.8	2878.4	1796.9	892.9	901.0	963.5	1004.9	1054.3	1111.8	1141.1	1138.1
35°	3203.3	2844.1	1467.0	812.2	879.8	940.3	969.6	998.8	972.6	971.6	974.6
37.5°	3281.0	2813.9	1179.4	775.9	865.6	924.2	948.4	885.8	849.5	834.4	828.3
40°	3393.0	2801.8	930.2	754.7	863.6	923.2	906.0	809.1	759.7	707.2	706.2
42.5°	3534.2	2792.7	768.8	744.6	870.7	946.4	847.5	758.7	656.8	633.6	631.6
45°	3715.8	2778.5	688.1	742.6	887.8	964.5	841.4	689.1	619.5	609.4	609.4
47.5°	3934.8	2756.4	651.8	742.6	907.0	956.4	823.3	674.0	602.3	613.4	620.5
50°	4186.0	2728.1	632.6	740.5	926.2	956.4	784.9	670.9	598.3	655.8	679.0
52.5°	4454.4	2695.8	619.5	732.5	939.3	957.5	787.0	681.0	602.3	665.9	685.1
55°	4751.0	2690.8	601.3	715.3	943.3	931.2	792.0	703.2	608.4	603.3	604.3
57.5°	5125.3	2751.3	588.2	690.1	927.2	877.8	802.1	719.4	601.3	602.3	609.4
60°	5516.7	2865.3	599.3	665.9	893.9	827.3	809.1	711.3	567.0	550.9	552.9
62.5°	5849.7	2952.1	608.4	654.8	845.5	782.9	802.1	693.1	547.8	543.8	552.9
65°	5988.9	2880.4	586.2	631.6	774.8	728.4	787.0	669.9	531.7	516.6	517.6
67.5°	5834.5	2544.5	542.8	580.1	695.1	658.8	762.7	639.7	509.5	491.3	487.3
70°	4984.0	1869.5	468.1	498.4	598.3	577.1	725.4	600.3	474.2	461.1	452.0
72.5°	4016.5	1323.7	388.4	396.5	469.1	486.3	660.8	550.9	433.8	396.5	383.4
75°	2795.7	831.3	323.9	315.8	339.0	371.3	515.6	457.0	374.3	335.0	322.9
77.5°	1202.6	426.8	253.2	249.2	226.0	257.3	395.5	381.4	313.8	268.4	261.3
80°	402.6	247.2	182.6	175.6	150.3	180.6	278.5	304.7	246.2	198.8	186.6
82.5°	201.8	143.3	116.0	104.9	100.9	114.0	164.5	189.7	170.5	137.2	116.0
85°	98.9	81.7	63.6	62.6	52.5	49.4	68.6	80.7	76.7	56.5	53.5
87.5°	36.3	32.3	20.2	16.1	10.1	7.1	4.0	4.0	3.0	3.0	3.0
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)