

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: P634837

Luminaire Tested: GWS-SA3C-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12578.8 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

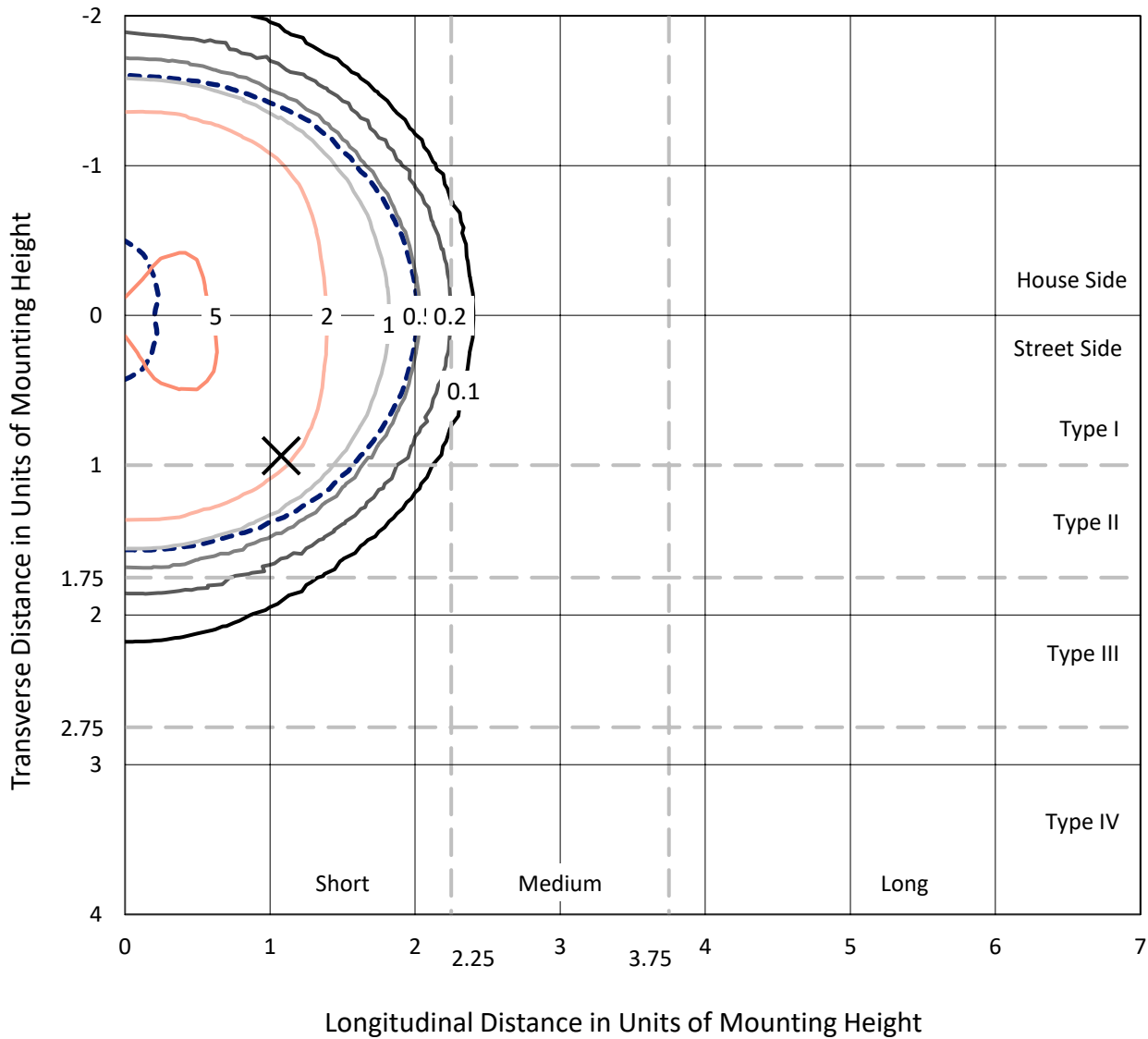
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

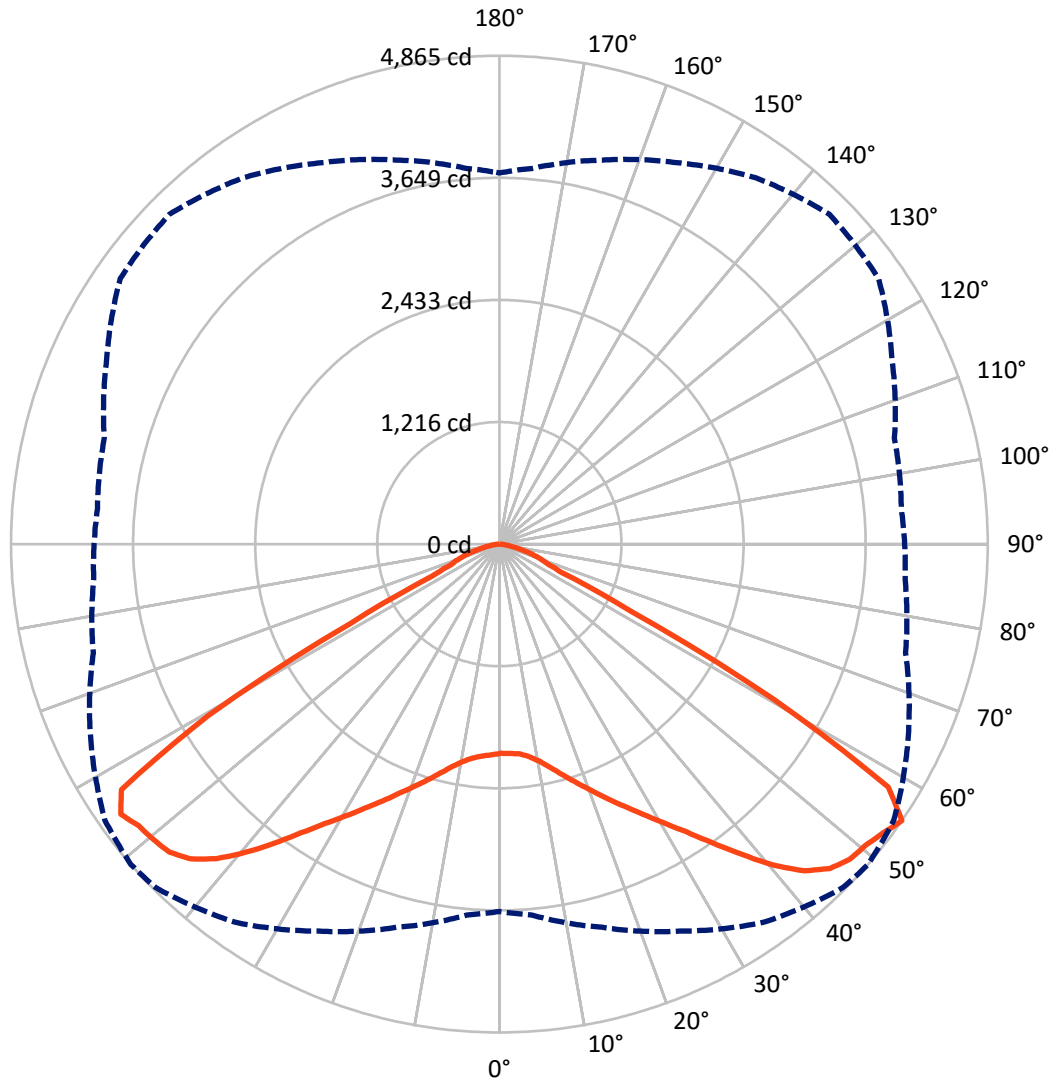
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6227.7	0.0	6227.7
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	6351.1	0.0	6351.1
	% Fixture	50.5	0.0	50.5
Total	Lumens	12578.8	0.0	12578.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	1.6
10°-20°	670.5	5.3
20°-30°	1277.1	10.2
30°-40°	2164.9	17.2
40°-50°	3258.0	25.9
50°-60°	3566.2	28.4
60°-70°	1127.6	9.0
70°-80°	270.6	2.2
80°-90°	40.6	0.3
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°	12578.8	100.0
0°-180°	12578.8	100.0

Coefficient of Utilization



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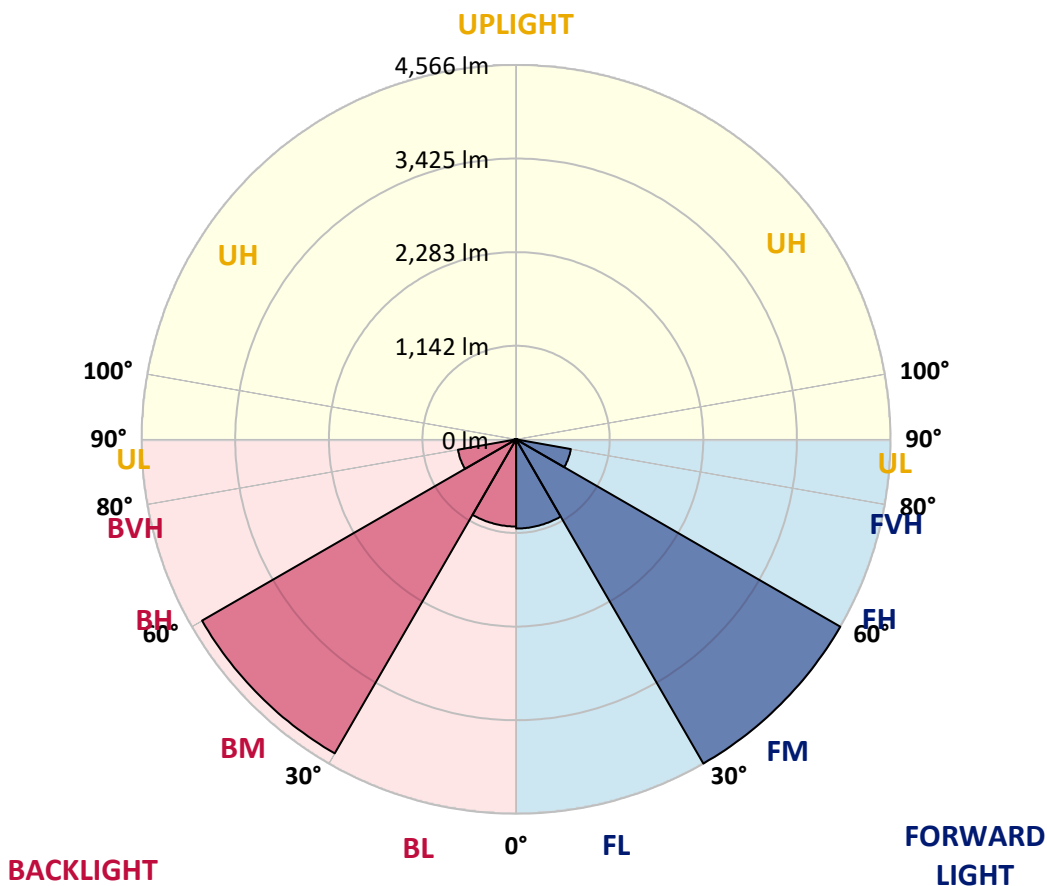
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1087.6	8.6			
FM (30°-60°)	4566.5	36.3			
FH (60°-80°)	678.3	5.4			G1/1800
FVH (80°-90°)	18.8	0.1			G1/100
BL (0°-30°)	1063.3	8.5	B3/2500		
BM (30°-60°)	4422.6	35.2	B3/5000		
BH (60°-80°)	720.0	5.7	B2/1000		G1/1800
BVH (80°-90°)	21.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2053.1	2055.1	2059.2	2066.4	2073.5	2083.8	2087.8	2093.0	2091.9	2098.1	2098.1
5°	2042.8	2045.9	2052.0	2062.3	2074.5	2094.0	2099.1	2111.4	2123.6	2139.0	2144.1
7.5°	2055.1	2059.2	2066.4	2082.7	2101.1	2126.7	2136.9	2157.4	2180.9	2208.6	2219.8
10°	2078.6	2083.8	2096.0	2122.6	2152.3	2191.2	2200.4	2225.9	2263.8	2301.6	2324.1
12.5°	2105.2	2113.4	2135.9	2177.9	2221.9	2273.0	2287.3	2319.0	2360.0	2409.1	2439.7
15°	2135.9	2143.1	2177.9	2237.2	2305.7	2373.3	2389.6	2420.3	2466.3	2514.4	2557.4
17.5°	2200.4	2212.6	2253.6	2322.1	2401.9	2481.7	2500.1	2534.9	2571.7	2609.6	2650.5
20°	2288.3	2298.6	2350.7	2435.7	2529.8	2602.4	2620.8	2651.5	2668.9	2688.3	2723.1
22.5°	2376.3	2390.6	2450.0	2550.2	2660.7	2739.5	2753.8	2782.4	2770.2	2764.0	2786.5
25°	2485.8	2505.2	2563.5	2673.0	2785.5	2882.7	2893.9	2918.5	2898.0	2866.3	2865.3
27.5°	2621.8	2639.2	2699.6	2812.1	2923.6	3024.9	3046.4	3079.1	3034.1	2995.2	2967.6
30°	2783.5	2794.7	2861.2	2980.9	3095.5	3191.6	3219.2	3252.0	3218.2	3153.8	3126.1
32.5°	2971.7	2987.0	3063.7	3189.6	3291.9	3388.0	3415.6	3456.6	3419.7	3347.1	3312.3
35°	3197.7	3213.1	3293.9	3431.0	3535.3	3634.6	3654.0	3687.7	3641.7	3557.8	3530.2
37.5°	3443.3	3462.7	3565.0	3694.9	3804.4	3920.0	3921.0	3931.2	3865.7	3761.4	3730.7
40°	3719.5	3745.0	3847.3	3982.4	4114.3	4208.4	4207.4	4178.8	4068.3	3906.7	3859.6
42.5°	3992.6	4013.0	4116.4	4255.5	4387.4	4476.4	4449.8	4380.3	4220.7	4000.8	3938.4
45°	4190.0	4205.4	4313.8	4470.3	4604.3	4659.5	4611.5	4527.6	4311.7	4060.1	3968.0
47.5°	4283.1	4303.6	4413.0	4568.5	4719.9	4751.6	4694.3	4615.6	4364.9	4115.3	3991.6
50°	4233.0	4259.6	4383.4	4527.6	4698.4	4763.9	4723.0	4644.2	4421.2	4169.6	4033.5
52.5°	4103.1	4128.6	4285.1	4460.1	4653.4	4783.3	4782.3	4717.9	4485.6	4184.9	4035.5
55°	3659.1	3709.2	3952.7	4254.5	4598.2	4840.6	4865.2	4796.6	4495.9	4189.0	4057.0
57.5°	2381.4	2469.4	2700.6	3093.4	3782.9	4402.8	4568.5	4584.9	4422.2	4171.6	4061.1
60°	994.3	1064.9	1248.0	1508.9	2078.6	2816.2	3137.4	3459.6	3848.3	3989.5	4023.3
62.5°	617.9	624.0	642.4	701.7	892.0	1252.1	1458.7	1760.5	2338.5	2830.5	3057.6
65°	557.5	560.6	564.7	560.6	569.8	613.8	669.0	774.4	1009.7	1254.1	1544.7
67.5°	491.0	495.1	498.2	495.1	498.2	500.2	506.4	515.6	558.5	593.3	619.9
70°	396.9	403.0	408.2	406.1	418.4	418.4	424.5	431.7	453.2	478.7	497.2
72.5°	302.8	297.7	303.8	305.9	317.1	323.3	332.5	340.6	365.2	380.5	404.1
75°	196.4	191.3	200.5	205.6	221.0	229.1	237.3	245.5	262.9	273.1	295.6
77.5°	106.4	105.4	114.6	121.7	138.1	148.3	154.5	160.6	174.9	178.0	192.3
80°	61.4	61.4	67.5	72.6	82.9	94.1	100.2	105.4	115.6	118.7	124.8
82.5°	33.8	33.8	36.8	39.9	48.1	54.2	59.3	63.4	72.6	75.7	78.8
85°	16.4	15.3	17.4	19.4	22.5	25.6	28.6	30.7	37.8	39.9	44.0
87.5°	2.0	2.0	2.0	3.1	4.1	6.1	7.2	7.2	11.3	13.3	15.3
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°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2104.2	2090.9	2099.1	2102.2	2102.2	2099.1	2085.8	2081.7	2075.6	2066.4	2066.4
5°	2151.3	2141.0	2143.1	2138.0	2125.7	2110.4	2085.8	2073.5	2063.3	2052.0	2051.0
7.5°	2232.1	2218.8	2216.7	2197.3	2164.6	2131.8	2095.0	2072.5	2057.2	2042.8	2041.8
10°	2337.4	2325.2	2309.8	2271.0	2222.9	2174.8	2124.7	2094.0	2071.5	2051.0	2050.0
12.5°	2455.1	2440.8	2412.1	2354.8	2294.5	2247.4	2190.1	2143.1	2109.3	2081.7	2076.6
15°	2583.0	2562.5	2513.4	2445.9	2386.5	2336.4	2275.0	2207.5	2156.4	2112.4	2107.3
17.5°	2681.2	2654.6	2601.4	2537.9	2488.8	2438.7	2358.9	2274.0	2200.4	2145.1	2136.9
20°	2748.7	2727.2	2666.8	2619.8	2591.1	2547.2	2454.1	2357.9	2275.0	2205.5	2201.4
22.5°	2811.1	2785.5	2726.2	2698.5	2698.5	2668.9	2579.9	2466.3	2369.2	2288.3	2278.1
25°	2881.7	2854.0	2809.0	2806.0	2820.3	2807.0	2699.6	2577.8	2464.3	2373.3	2356.9
27.5°	2979.9	2949.2	2922.6	2941.0	2961.4	2947.1	2827.4	2686.3	2566.6	2474.5	2460.2
30°	3136.4	3098.5	3074.0	3096.5	3136.4	3094.4	2964.5	2815.2	2694.5	2593.2	2586.0
32.5°	3318.5	3275.5	3249.9	3285.7	3321.5	3256.1	3127.2	2984.0	2857.1	2750.7	2738.4
35°	3537.4	3483.2	3445.3	3493.4	3530.2	3465.8	3337.9	3201.8	3060.7	2950.2	2933.8
37.5°	3731.7	3666.3	3640.7	3708.2	3757.3	3715.4	3576.2	3448.4	3293.9	3173.2	3166.0
40°	3872.9	3808.5	3790.0	3901.5	3987.5	3977.2	3852.4	3706.2	3560.9	3421.8	3408.5
42.5°	3934.3	3889.3	3893.4	4043.7	4176.7	4242.2	4130.7	3974.2	3834.0	3689.8	3680.6
45°	3947.6	3920.0	3952.7	4140.9	4315.8	4449.8	4354.7	4223.8	4065.2	3926.1	3922.0
47.5°	3961.9	3946.6	3996.7	4196.2	4403.8	4559.3	4506.1	4371.1	4210.5	4074.4	4064.2
50°	3995.7	3989.5	4045.8	4235.0	4445.8	4589.0	4528.6	4394.6	4229.9	4095.9	4071.4
52.5°	4005.9	3995.7	4076.5	4295.4	4515.3	4587.9	4458.0	4283.1	4117.4	3968.0	3942.5
55°	4037.6	4019.2	4074.4	4317.9	4611.5	4647.3	4453.9	4192.1	3960.9	3757.3	3697.0
57.5°	4045.8	4025.3	4061.1	4281.1	4507.1	4475.4	3914.8	3382.9	2947.1	2721.1	2746.6
60°	4001.8	4007.9	3946.6	3922.0	3615.1	3191.6	2396.8	1916.0	1504.8	1330.9	1368.7
62.5°	3046.4	3071.9	2862.2	2488.8	1913.9	1517.0	1003.5	779.5	659.8	629.1	634.2
65°	1537.5	1572.3	1354.4	1120.1	832.7	673.1	582.1	563.6	557.5	550.3	550.3
67.5°	608.7	618.9	610.7	571.8	531.9	517.6	513.5	511.5	504.3	500.2	501.2
70°	489.0	497.2	484.9	460.3	444.0	442.9	440.9	436.8	431.7	431.7	434.8
72.5°	399.0	407.1	389.7	374.4	362.1	352.9	347.8	344.7	337.6	337.6	340.6
75°	293.6	298.7	284.4	282.3	269.0	259.8	251.6	247.6	238.3	234.3	237.3
77.5°	195.4	194.4	187.2	187.2	182.1	170.8	161.6	152.4	140.1	132.0	134.0
80°	126.8	126.8	123.8	123.8	118.7	109.5	98.2	89.0	81.8	75.7	75.7
82.5°	80.8	79.8	78.8	77.7	75.7	66.5	58.3	52.2	47.1	43.0	44.0
85°	45.0	45.0	43.0	43.0	38.9	33.8	29.7	25.6	22.5	21.5	21.5
87.5°	15.3	15.3	14.3	14.3	12.3	9.2	7.2	6.1	5.1	4.1	5.1
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)