

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: P634892

Luminaire Tested: GWS-SA3C-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634892
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12406.4 lumens
Efficiency: N/A
Efficacy: 133.4 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

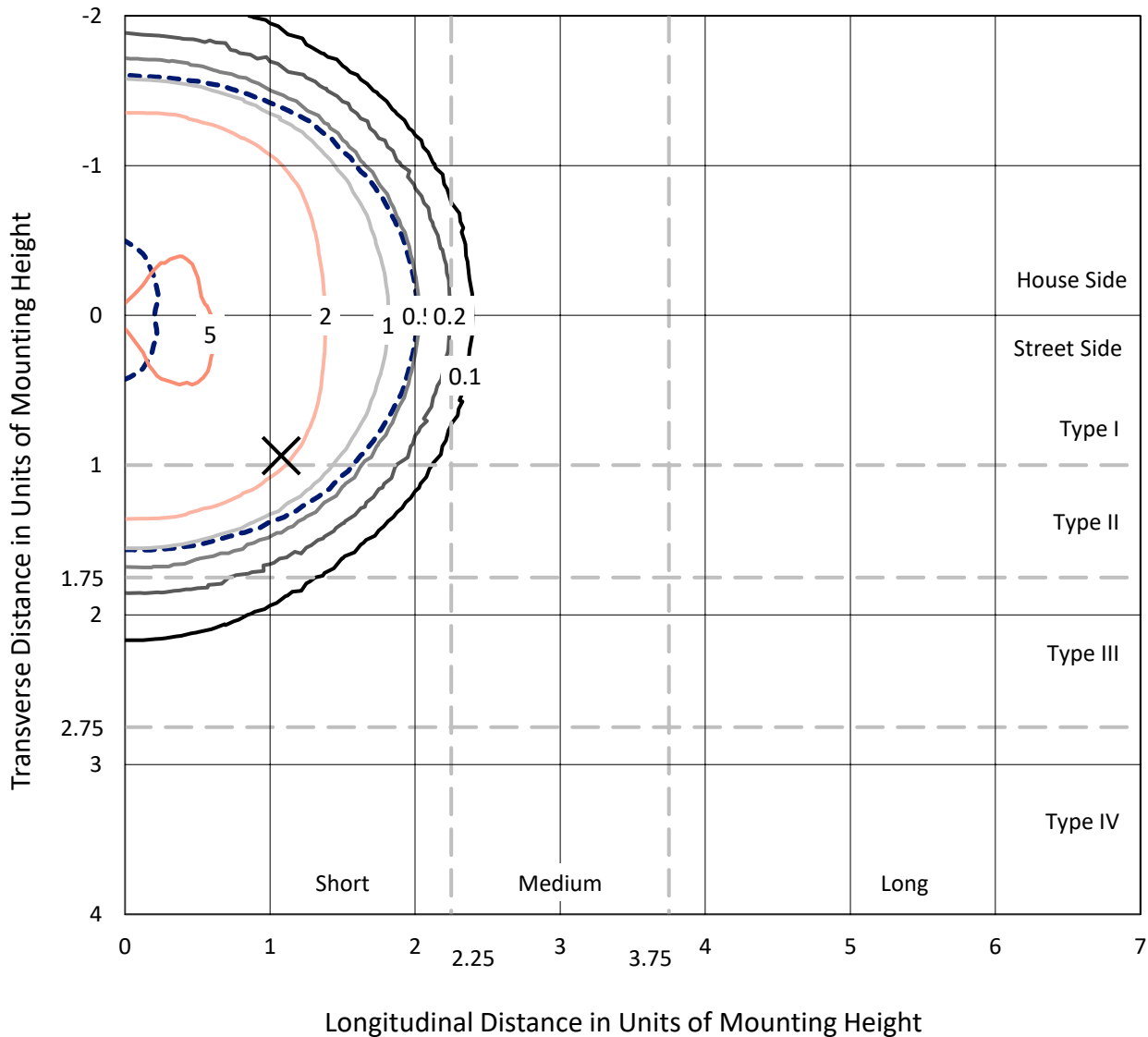


REPORT NUMBER: P634892

CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

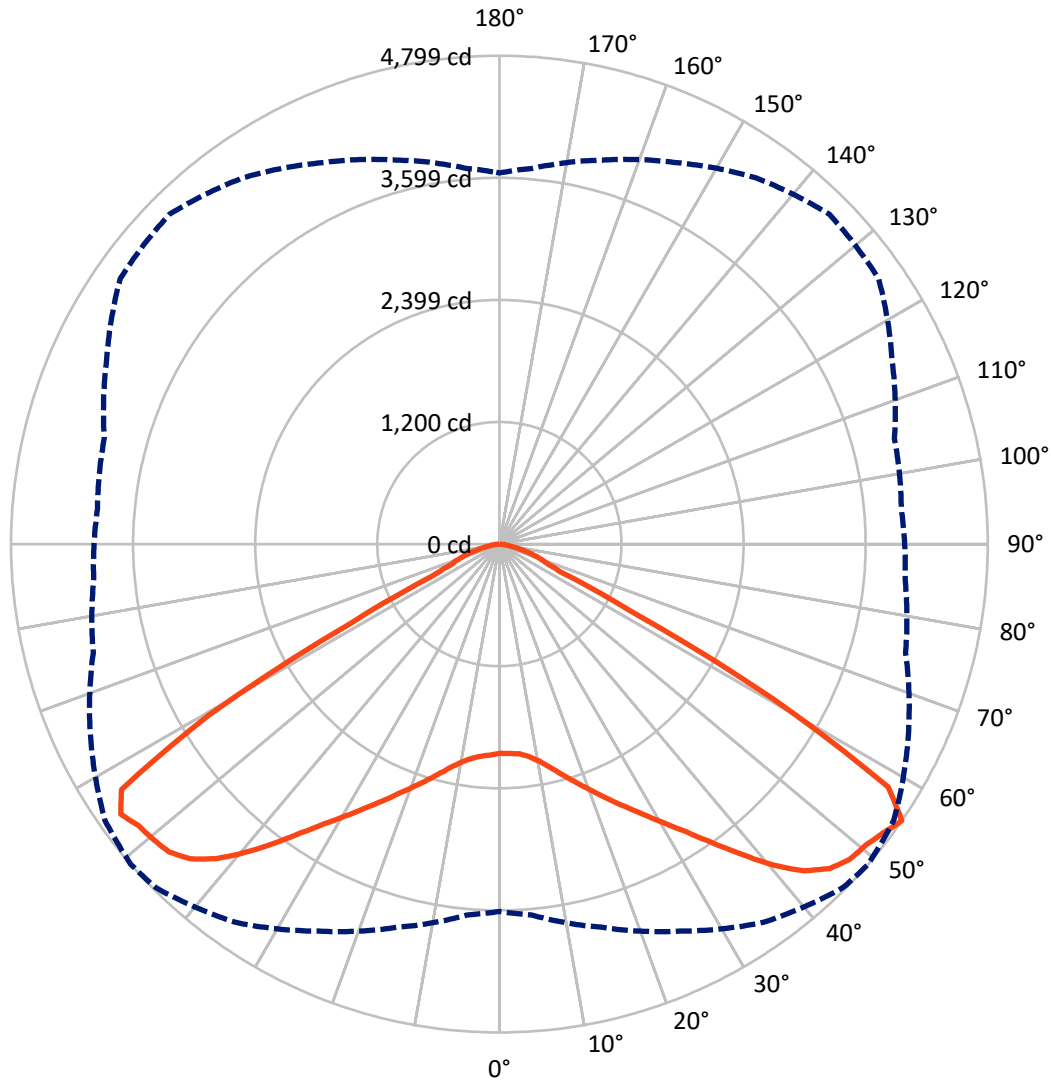
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

REPORT NUMBER: P634892
CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634892

CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6142.3	0.0	6142.3
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	6264.1	0.0	6264.1
	% Fixture	50.5	0.0	50.5
Total	Lumens	12406.4	0.0	12406.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.5	1.6
10°-20°	661.3	5.3
20°-30°	1259.6	10.2
30°-40°	2135.2	17.2
40°-50°	3213.3	25.9
50°-60°	3517.3	28.4
60°-70°	1112.2	9.0
70°-80°	266.9	2.2
80°-90°	40.1	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°	12406.4	100.0
0°-180°	12406.4	100.0

Coefficient of Utilization



REPORT NUMBER: P634892

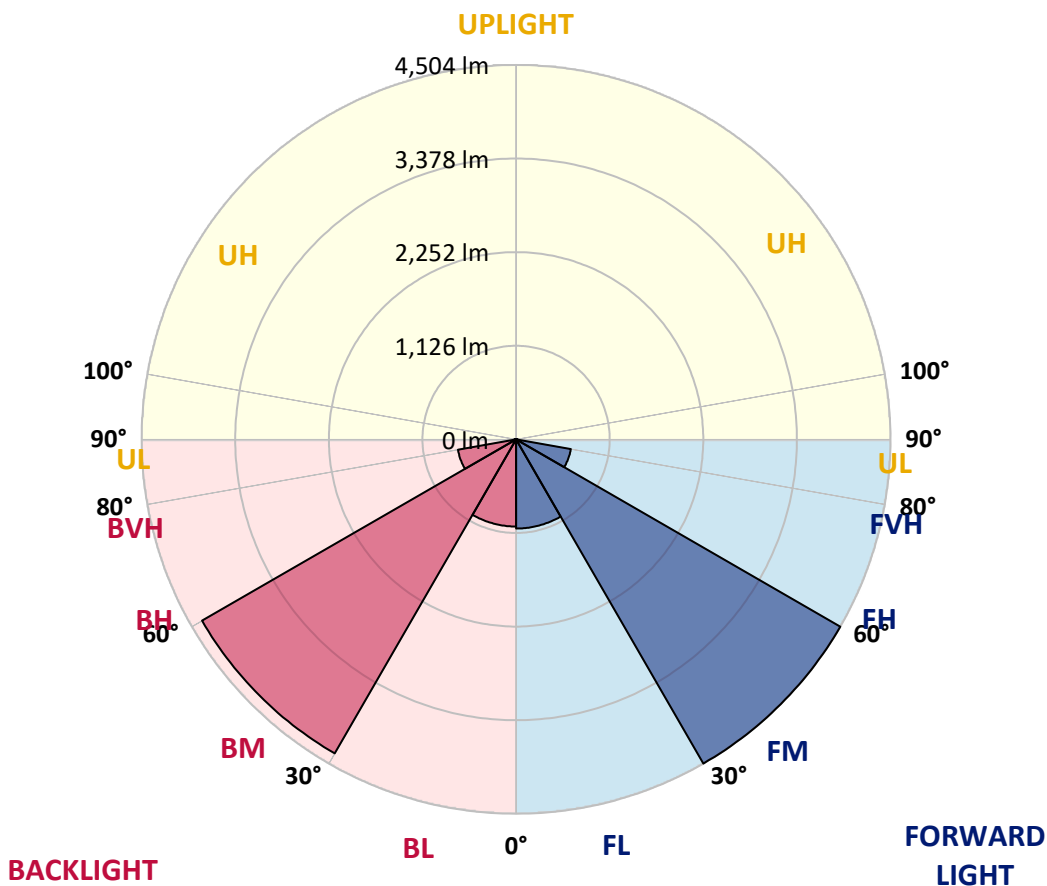
CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1072.6	8.6			
FM (30°-60°)	4503.9	36.3			
FH (60°-80°)	669.0	5.4			G1/1800
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	1048.7	8.5	B3/2500		
BM (30°-60°)	4362.0	35.2	B3/5000		
BH (60°-80°)	710.1	5.7	B2/1000		G1/1800
BVH (80°-90°)	21.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P634892
 CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2
2.5°	2024.9	2026.9	2031.0	2038.0	2045.1	2055.2	2059.2	2064.3	2063.3	2069.3	2069.3
5°	2014.8	2017.9	2023.9	2034.0	2046.1	2065.3	2070.3	2082.4	2094.5	2109.7	2114.7
7.5°	2026.9	2031.0	2038.0	2054.2	2072.3	2097.6	2107.7	2127.8	2151.0	2178.3	2189.4
10°	2050.2	2055.2	2067.3	2093.5	2122.8	2161.1	2170.2	2195.4	2232.8	2270.1	2292.3
12.5°	2076.4	2084.5	2106.7	2148.0	2191.4	2241.8	2256.0	2287.2	2327.6	2376.0	2406.3
15°	2106.7	2113.7	2148.0	2206.5	2274.1	2340.7	2356.9	2387.1	2432.5	2480.0	2522.3
17.5°	2170.2	2182.3	2222.7	2290.3	2369.0	2447.7	2465.8	2500.1	2536.5	2573.8	2614.1
20°	2257.0	2267.1	2318.5	2402.3	2495.1	2566.7	2584.9	2615.2	2632.3	2651.5	2685.8
22.5°	2343.8	2357.9	2416.4	2515.3	2624.2	2701.9	2716.0	2744.3	2732.2	2726.1	2748.3
25°	2451.7	2470.9	2528.4	2636.3	2747.3	2843.2	2854.3	2878.5	2858.3	2827.0	2826.0
27.5°	2585.9	2603.0	2662.6	2773.6	2883.5	2983.4	3004.6	3036.9	2992.5	2954.2	2926.9
30°	2745.3	2756.4	2822.0	2940.0	3053.0	3147.9	3175.1	3207.4	3174.1	3110.5	3083.3
32.5°	2930.9	2946.1	3021.8	3145.9	3246.7	3341.6	3368.8	3409.2	3372.9	3301.2	3266.9
35°	3153.9	3169.1	3248.8	3384.0	3486.9	3584.7	3603.9	3637.2	3591.8	3509.1	3481.8
37.5°	3396.1	3415.2	3516.1	3644.3	3752.2	3866.2	3867.2	3877.3	3812.8	3709.8	3679.6
40°	3668.5	3693.7	3794.6	3927.8	4057.9	4150.7	4149.7	4121.5	4012.5	3853.1	3806.7
42.5°	3937.9	3958.0	4059.9	4197.2	4327.3	4415.1	4388.9	4320.2	4162.9	3945.9	3884.4
45°	4132.6	4147.7	4254.7	4409.0	4541.2	4595.7	4548.3	4465.5	4252.7	4004.5	3913.6
47.5°	4224.4	4244.6	4352.5	4505.9	4655.2	4686.5	4630.0	4552.3	4305.1	4058.9	3936.9
50°	4175.0	4201.2	4323.3	4465.5	4634.0	4698.6	4658.2	4580.6	4360.6	4112.4	3978.2
52.5°	4046.8	4072.1	4226.4	4398.9	4589.6	4717.8	4716.8	4653.2	4424.2	4127.5	3980.2
55°	3609.0	3658.4	3898.5	4196.2	4535.2	4774.3	4798.5	4730.9	4434.3	4131.6	4001.4
57.5°	2348.8	2435.6	2663.6	3051.0	3731.0	4342.4	4505.9	4522.0	4361.6	4114.4	4005.5
60°	980.7	1050.3	1230.9	1488.2	2050.2	2777.6	3094.4	3412.2	3795.6	3934.8	3968.1
62.5°	609.4	615.4	633.6	692.1	879.8	1234.9	1438.7	1736.4	2306.4	2791.7	3015.7
65°	549.9	552.9	556.9	552.9	562.0	605.4	659.8	763.8	995.8	1237.0	1523.5
67.5°	484.3	488.3	491.4	488.3	491.4	493.4	499.4	508.5	550.9	585.2	611.4
70°	391.5	397.5	402.6	400.5	412.7	412.7	418.7	425.8	447.0	472.2	490.3
72.5°	298.6	293.6	299.7	301.7	312.8	318.8	327.9	336.0	360.2	375.3	398.5
75°	193.7	188.7	197.8	202.8	217.9	226.0	234.1	242.1	259.3	269.4	291.6
77.5°	104.9	103.9	113.0	120.1	136.2	146.3	152.3	158.4	172.5	175.6	189.7
80°	60.5	60.5	66.6	71.6	81.7	92.8	98.9	103.9	114.0	117.0	123.1
82.5°	33.3	33.3	36.3	39.3	47.4	53.5	58.5	62.6	71.6	74.7	77.7
85°	16.1	15.1	17.2	19.2	22.2	25.2	28.3	30.3	37.3	39.3	43.4
87.5°	2.0	2.0	2.0	3.0	4.0	6.1	7.1	7.1	11.1	13.1	15.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634892

CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2	2055.2
2.5°	2075.4	2062.3	2070.3	2073.4	2073.4	2070.3	2057.2	2053.2	2047.1	2038.0	2038.0
5°	2121.8	2111.7	2113.7	2108.7	2096.6	2081.4	2057.2	2045.1	2035.0	2023.9	2022.9
7.5°	2201.5	2188.4	2186.4	2167.2	2134.9	2102.6	2066.3	2044.1	2029.0	2014.8	2013.8
10°	2305.4	2293.3	2278.2	2239.8	2192.4	2145.0	2095.6	2065.3	2043.1	2022.9	2021.9
12.5°	2421.4	2407.3	2379.1	2322.6	2263.0	2216.6	2160.1	2113.7	2080.4	2053.2	2048.1
15°	2547.6	2527.4	2478.9	2412.4	2353.8	2304.4	2243.9	2177.3	2126.8	2083.4	2078.4
17.5°	2644.4	2618.2	2565.7	2503.2	2454.7	2405.3	2326.6	2242.9	2170.2	2115.7	2107.7
20°	2711.0	2689.8	2630.3	2583.9	2555.6	2512.2	2420.4	2325.6	2243.9	2175.3	2171.2
22.5°	2772.5	2747.3	2688.8	2661.6	2661.6	2632.3	2544.5	2432.5	2336.7	2257.0	2246.9
25°	2842.2	2814.9	2770.5	2767.5	2781.6	2768.5	2662.6	2542.5	2430.5	2340.7	2324.6
27.5°	2939.0	2908.8	2882.5	2900.7	2920.9	2906.7	2788.7	2649.5	2531.4	2440.6	2426.5
30°	3093.4	3056.1	3031.8	3054.0	3093.4	3052.0	2923.9	2776.6	2657.5	2557.6	2550.6
32.5°	3273.0	3230.6	3205.4	3240.7	3276.0	3211.4	3084.3	2943.1	2817.9	2713.0	2700.9
35°	3488.9	3435.4	3398.1	3445.5	3481.8	3418.3	3292.1	3158.0	3018.7	2909.8	2893.6
37.5°	3680.6	3616.0	3590.8	3657.4	3705.8	3664.4	3527.2	3401.1	3248.8	3129.7	3122.6
40°	3819.8	3756.3	3738.1	3848.1	3932.8	3922.7	3799.6	3655.4	3512.1	3374.9	3361.8
42.5°	3880.4	3836.0	3840.0	3988.3	4119.5	4184.0	4074.1	3919.7	3781.5	3639.2	3630.1
45°	3893.5	3866.2	3898.5	4084.2	4256.7	4388.9	4295.0	4165.9	4009.5	3872.3	3868.2
47.5°	3907.6	3892.5	3941.9	4138.6	4343.5	4496.8	4444.3	4311.2	4152.8	4018.6	4008.5
50°	3940.9	3934.8	3990.3	4177.0	4384.8	4526.1	4466.5	4334.4	4171.9	4039.8	4015.6
52.5°	3951.0	3940.9	4020.6	4236.5	4453.4	4525.1	4396.9	4224.4	4061.0	3913.6	3888.4
55°	3982.3	3964.1	4018.6	4258.7	4548.3	4583.6	4392.9	4134.6	3906.6	3705.8	3646.3
57.5°	3990.3	3970.1	4005.5	4222.4	4445.4	4414.1	3861.2	3336.5	2906.7	2683.8	2709.0
60°	3946.9	3953.0	3892.5	3868.2	3565.6	3147.9	2363.9	1889.7	1484.1	1312.6	1350.0
62.5°	3004.6	3029.8	2823.0	2454.7	1887.7	1496.2	989.8	768.8	650.8	620.5	625.5
65°	1516.4	1550.7	1335.8	1104.8	821.3	663.9	574.1	555.9	549.9	542.8	542.8
67.5°	600.3	610.4	602.3	564.0	524.6	510.5	506.5	504.5	497.4	493.4	494.4
70°	482.3	490.3	478.2	454.0	437.9	436.9	434.8	430.8	425.8	425.8	428.8
72.5°	393.5	401.6	384.4	369.3	357.2	348.1	343.0	340.0	332.9	332.9	336.0
75°	289.6	294.6	280.5	278.5	265.3	256.3	248.2	244.2	235.1	231.0	234.1
77.5°	192.7	191.7	184.6	184.6	179.6	168.5	159.4	150.3	138.2	130.2	132.2
80°	125.1	125.1	122.1	122.1	117.0	108.0	96.9	87.8	80.7	74.7	74.7
82.5°	79.7	78.7	77.7	76.7	74.7	65.6	57.5	51.5	46.4	42.4	43.4
85°	44.4	44.4	42.4	42.4	38.3	33.3	29.3	25.2	22.2	21.2	21.2
87.5°	15.1	15.1	14.1	14.1	12.1	9.1	7.1	6.1	5.0	4.0	5.0
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)