

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: P635297

Luminaire Tested: GWS-SA3D-740-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17566 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

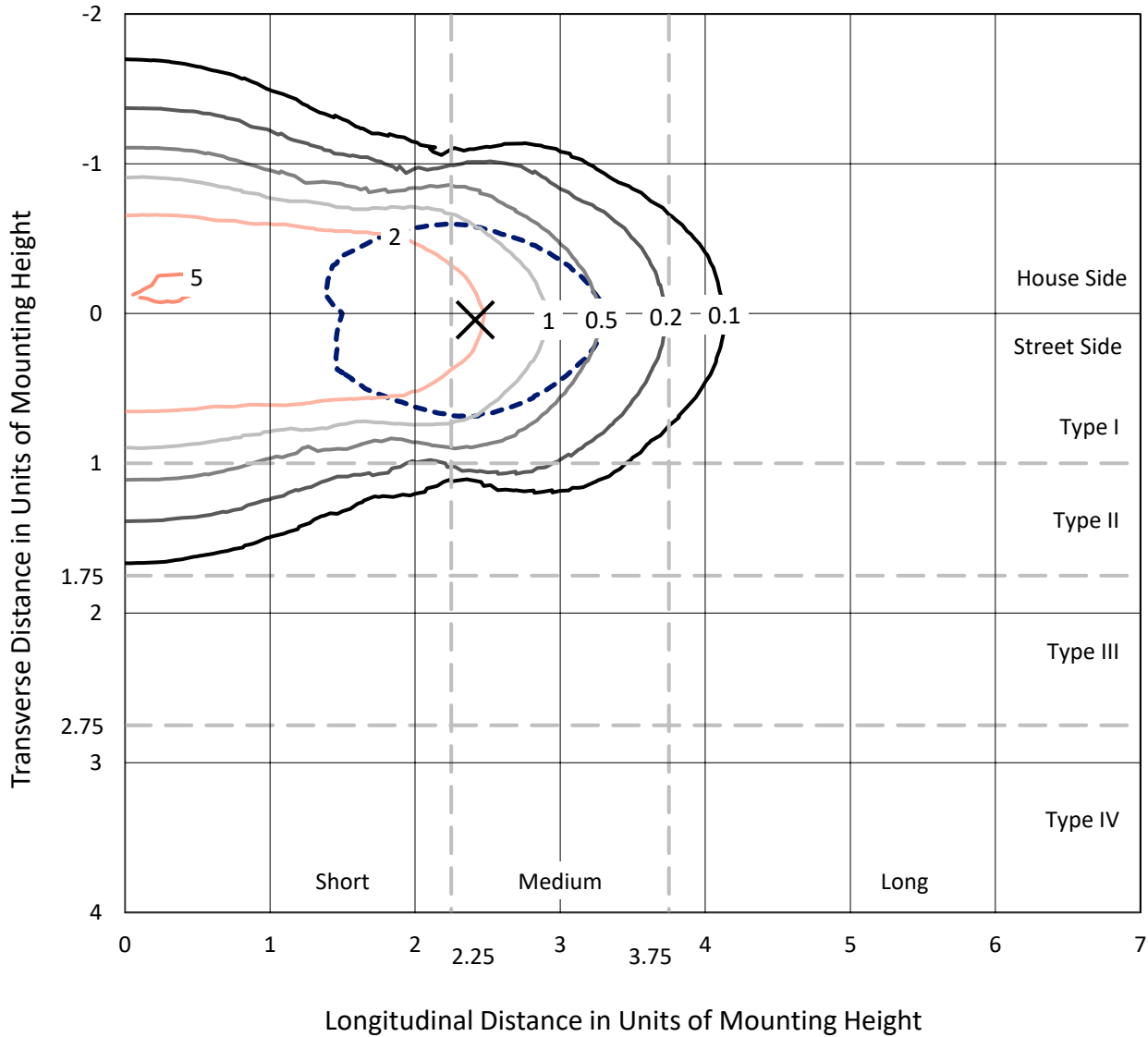
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635297
 CATALOG NUMBER: GWS-SA3D-740-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

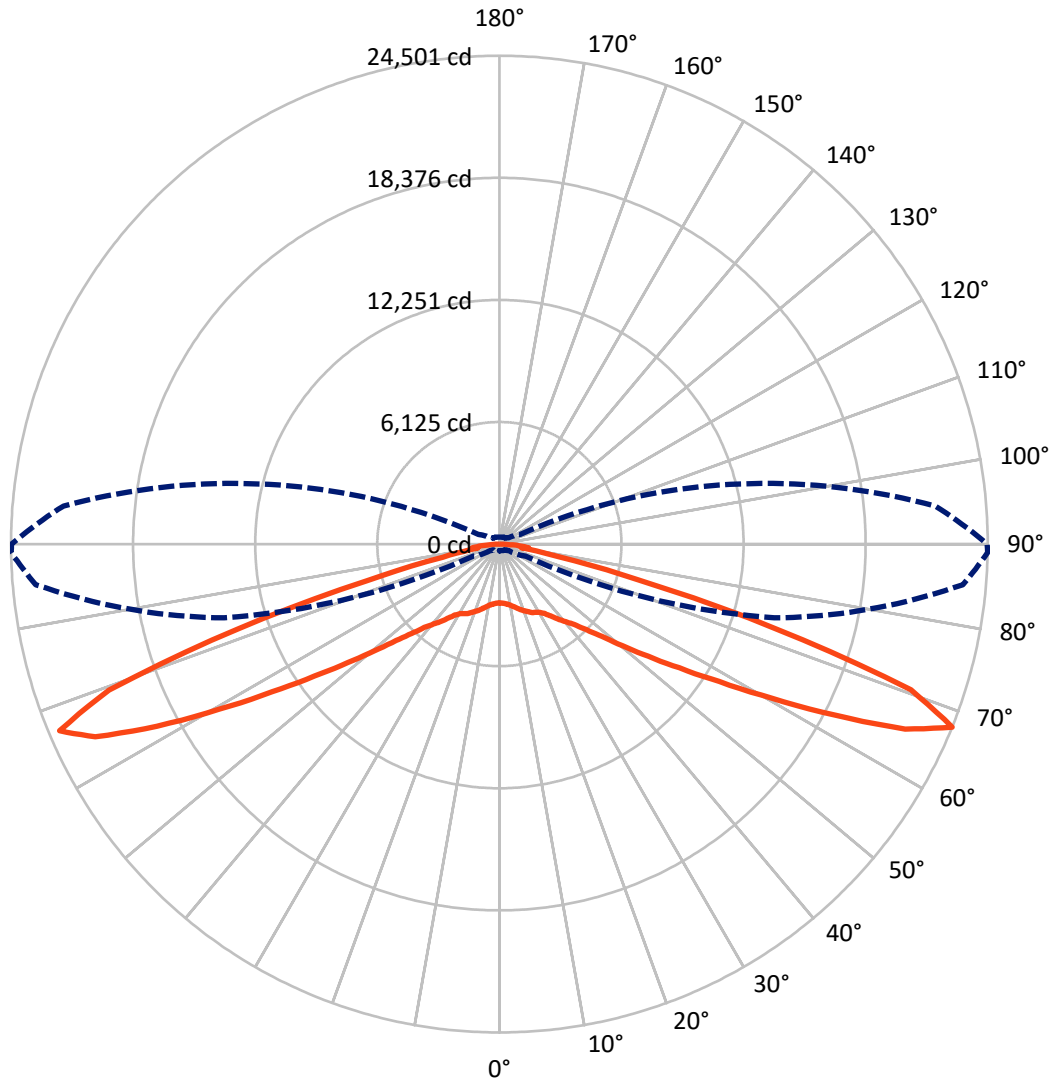
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type I - Medium - N/A

REPORT NUMBER: P635297
CATALOG NUMBER: GWS-SA3D-740-U-T1-W

Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P635297

CATALOG NUMBER: GWS-SA3D-740-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8706.0	0.0	8706.0
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	8860.0	0.0	8860.0
	% Fixture	50.4	0.0	50.4
Total	Lumens	17566.0	0.0	17566.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.7	1.7
10°-20°	963.0	5.5
20°-30°	1627.9	9.3
30°-40°	2234.0	12.7
40°-50°	2848.9	16.2
50°-60°	3574.3	20.3
60°-70°	4311.0	24.5
70°-80°	1559.6	8.9
80°-90°	151.7	0.9
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°	17566.0	100.0
0°-180°	17566.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635297

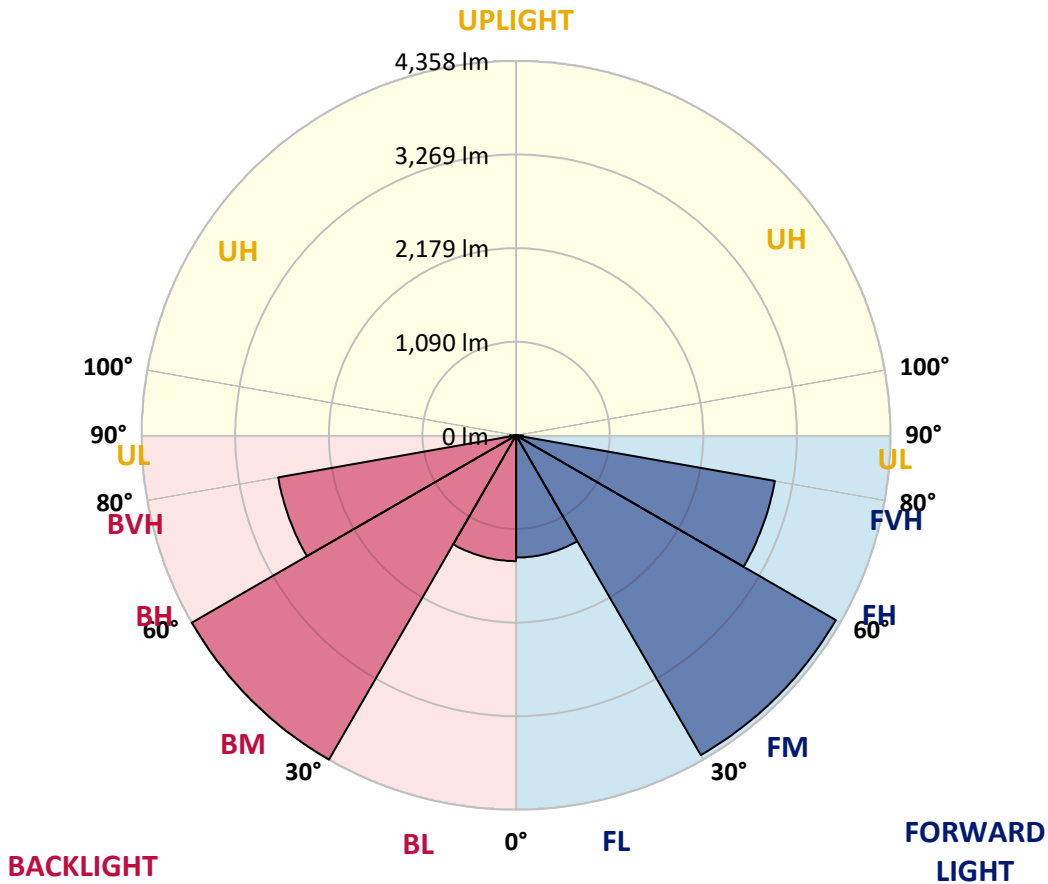
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1422.7	8.1			
FM (30°-60°)	4298.7	24.5			
FH (60°-80°)	3058.5	17.4			G2/5000
FVH (80°-90°)	80.0	0.5			G1/100
BL (0°-30°)	1463.8	8.3	B3/2500		
BM (30°-60°)	4358.5	24.8	B3/5000		
BH (60°-80°)	2812.0	16.0	B4/5000		G4/5000
BVH (80°-90°)	71.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





REPORT NUMBER: P635297
 CATALOG NUMBER: GWS-SA3D-740-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3
2.5°	2957.1	2954.6	2948.3	2967.2	2963.5	2964.7	2972.3	2967.2	2958.4	2943.3	2964.7
5°	3040.4	3039.1	3025.3	3036.6	3024.0	3015.2	3013.9	3001.3	2991.2	2974.8	2997.5
7.5°	3121.1	3119.9	3108.5	3128.7	3118.6	3108.5	3097.2	3071.9	3048.0	3024.0	3049.2
10°	3183.0	3181.7	3179.2	3208.2	3210.7	3214.5	3209.5	3166.6	3124.9	3095.9	3121.1
12.5°	3218.3	3222.1	3228.4	3281.4	3307.9	3333.1	3339.4	3304.1	3234.7	3193.1	3223.3
15°	3194.3	3201.9	3233.4	3329.3	3402.5	3459.3	3483.2	3454.2	3364.6	3295.2	3329.3
17.5°	3079.5	3085.8	3147.6	3294.0	3455.5	3586.7	3625.8	3608.1	3508.5	3423.9	3456.7
20°	2920.6	2934.4	3001.3	3205.7	3446.6	3675.0	3779.7	3773.4	3664.9	3534.9	3574.1
22.5°	2776.7	2793.1	2863.8	3089.6	3387.3	3697.7	3934.9	3951.3	3807.4	3646.0	3677.5
25°	2615.3	2630.4	2721.2	2952.1	3285.2	3680.0	4067.3	4141.8	3968.9	3773.4	3802.4
27.5°	2450.0	2461.3	2550.9	2796.9	3151.4	3647.2	4172.0	4351.2	4127.9	3861.7	3881.9
30°	2304.9	2320.0	2402.0	2641.7	3005.1	3581.6	4257.8	4574.5	4310.8	3961.4	3977.8
32.5°	2164.9	2177.5	2267.1	2489.1	2849.9	3480.7	4334.8	4836.9	4582.1	4146.8	4146.8
35°	1988.2	2011.0	2111.9	2342.8	2703.6	3347.0	4390.3	5142.2	4953.0	4420.6	4421.8
37.5°	1825.5	1838.1	1944.1	2177.5	2549.7	3195.6	4395.3	5458.9	5422.3	4768.8	4771.3
40°	1640.1	1656.5	1770.0	2000.9	2373.0	3036.6	4347.4	5754.1	5914.3	5127.1	5113.2
42.5°	1452.1	1476.0	1584.5	1810.4	2182.5	2842.3	4220.0	6035.4	6538.8	5542.1	5508.1
45°	1270.4	1285.5	1394.0	1607.3	1964.3	2610.2	4015.6	6305.4	7280.6	6172.9	6123.7
47.5°	1066.0	1072.3	1184.6	1389.0	1738.5	2351.6	3722.9	6546.3	8095.6	7008.1	6923.5
50°	884.4	893.2	981.5	1156.9	1462.2	2045.0	3358.3	6687.6	9133.8	8147.3	8000.9
52.5°	715.3	724.1	794.8	934.8	1208.6	1695.6	2906.7	6654.8	10187.3	9561.5	9348.3
55°	577.8	584.1	632.1	741.8	951.2	1348.6	2373.0	6360.9	11356.7	11408.5	10949.2
57.5°	488.2	490.8	523.6	590.4	743.1	1039.5	1831.8	5667.0	12583.0	13765.1	13010.7
60°	436.5	437.8	452.9	494.5	586.6	793.5	1342.3	4561.9	13853.4	16713.4	15678.9
62.5°	403.7	403.7	416.3	440.3	487.0	610.6	986.6	3276.3	14765.5	19921.6	18893.4
65°	372.2	372.2	381.0	401.2	426.4	498.3	740.5	2113.1	15213.4	22603.7	22375.4
67.5°	331.8	333.1	339.4	360.8	383.5	416.3	561.4	1429.4	14283.6	23345.5	24501.1
70°	293.9	295.2	304.0	317.9	336.8	359.6	439.0	985.3	10396.7	19443.5	21907.3
72.5°	252.3	257.4	263.7	278.8	290.2	306.6	358.3	638.4	6049.3	12507.3	14481.7
75°	206.9	213.2	220.8	235.9	243.5	249.8	295.2	455.4	2910.5	6338.2	7217.5
77.5°	160.2	166.5	175.4	189.2	194.3	201.9	225.8	329.3	1394.0	2809.5	3029.1
80°	107.2	109.8	117.3	133.7	142.6	147.6	166.5	224.6	605.6	1127.9	1117.8
82.5°	65.6	66.9	69.4	79.5	83.3	88.3	108.5	137.5	288.9	1281.8	1469.7
85°	24.0	22.7	21.4	27.8	32.8	37.8	50.5	69.4	126.2	880.6	985.3
87.5°	0.0	0.0	0.0	1.3	2.5	2.5	5.0	10.1	30.3	329.3	225.8
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: P635297
 CATALOG NUMBER: GWS-SA3D-740-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3	2948.3
2.5°	2958.4	2944.5	2962.2	2974.8	3002.6	3012.7	3015.2	3006.3	3006.3	2991.2	2993.7
5°	2992.5	2983.6	3012.7	3034.1	3074.5	3089.6	3099.7	3093.4	3097.2	3087.1	3089.6
7.5°	3044.2	3036.6	3087.1	3128.7	3170.3	3188.0	3196.8	3191.8	3193.1	3180.4	3184.2
10°	3116.1	3118.6	3179.2	3233.4	3288.9	3306.6	3310.4	3295.2	3282.6	3259.9	3261.2
12.5°	3214.5	3227.1	3312.9	3373.5	3430.2	3455.5	3427.7	3372.2	3320.5	3281.4	3276.3
15°	3321.7	3344.4	3468.1	3545.0	3606.9	3594.2	3512.2	3387.3	3285.2	3227.1	3215.8
17.5°	3450.4	3484.5	3639.7	3731.8	3784.7	3704.0	3532.4	3345.7	3203.2	3124.9	3109.8
20°	3571.5	3625.8	3821.3	3941.2	3947.5	3765.8	3523.6	3261.2	3082.0	2986.2	2966.0
22.5°	3682.6	3751.9	4011.8	4164.5	4082.5	3793.6	3469.3	3141.3	2935.7	2823.4	2805.8
25°	3803.7	3902.1	4233.9	4376.4	4217.5	3782.2	3355.8	2992.5	2759.1	2644.3	2631.7
27.5°	3886.9	4010.6	4457.2	4593.4	4328.5	3717.9	3209.5	2829.7	2597.6	2489.1	2471.4
30°	3982.8	4140.5	4703.2	4829.3	4396.6	3623.3	3053.0	2678.3	2447.5	2330.1	2317.5
32.5°	4156.9	4355.0	5008.5	5079.1	4418.1	3505.9	2902.9	2532.0	2291.0	2173.7	2156.0
35°	4437.0	4669.1	5437.4	5357.9	4401.7	3377.2	2760.3	2360.4	2130.8	2021.1	2003.4
37.5°	4790.2	5079.1	5915.5	5609.0	4356.2	3236.0	2591.3	2216.6	1987.0	1876.0	1865.9
40°	5119.5	5475.3	6451.7	5826.0	4264.1	3061.9	2428.5	2066.5	1831.8	1714.5	1691.8
42.5°	5532.0	6005.1	7072.4	6014.0	4112.7	2853.7	2245.6	1881.0	1637.5	1531.6	1503.8
45°	6159.0	6746.9	7794.0	6194.4	3886.9	2597.6	2016.0	1655.2	1424.3	1315.8	1294.4
47.5°	6941.2	7674.2	8576.2	6301.6	3543.8	2327.6	1756.1	1416.8	1185.9	1063.5	1053.4
50°	8040.0	9022.8	9415.2	6282.7	3160.3	2007.2	1463.4	1132.9	939.9	851.6	837.7
52.5°	9378.6	10715.9	10322.2	6055.6	2752.8	1642.6	1140.5	889.4	745.6	682.5	671.2
55°	11057.7	12743.2	11277.3	5568.6	2238.0	1257.8	895.7	701.4	603.0	565.2	560.1
57.5°	13136.8	15368.6	12197.0	4748.6	1682.9	960.1	690.1	579.1	532.4	509.7	508.4
60°	15880.8	18155.4	12995.5	3690.1	1204.8	734.2	570.2	517.2	480.7	465.5	464.3
62.5°	19143.2	20686.1	13492.6	2513.1	905.8	585.4	502.1	469.3	447.9	439.0	437.8
65°	22496.5	22285.8	13255.4	1646.4	687.6	497.1	450.4	432.7	413.8	405.0	405.0
67.5°	24477.2	21947.7	11435.0	1143.0	545.0	436.5	406.2	389.8	358.3	350.7	350.7
70°	21680.2	17784.5	7495.0	836.4	441.6	382.3	353.2	330.5	317.9	310.3	309.1
72.5°	14339.1	11572.5	3985.3	580.3	368.4	325.5	299.0	290.2	275.0	267.5	266.2
75°	7136.8	6078.3	2042.5	418.8	306.6	261.1	249.8	246.0	233.4	223.3	220.8
77.5°	2974.8	2706.1	952.5	304.0	233.4	210.7	200.6	200.6	186.7	175.4	170.3
80°	1121.5	999.2	450.4	208.2	172.8	156.4	150.1	145.1	133.7	119.9	112.3
82.5°	1500.0	980.2	220.8	129.9	113.5	100.9	92.1	88.3	82.0	75.7	70.6
85°	971.4	696.4	99.7	66.9	56.8	42.9	37.8	35.3	31.5	27.8	25.2
87.5°	198.1	233.4	30.3	12.6	7.6	3.8	3.8	1.3	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)