

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: P632127

Luminaire Tested: GWS-SA2C-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6759 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

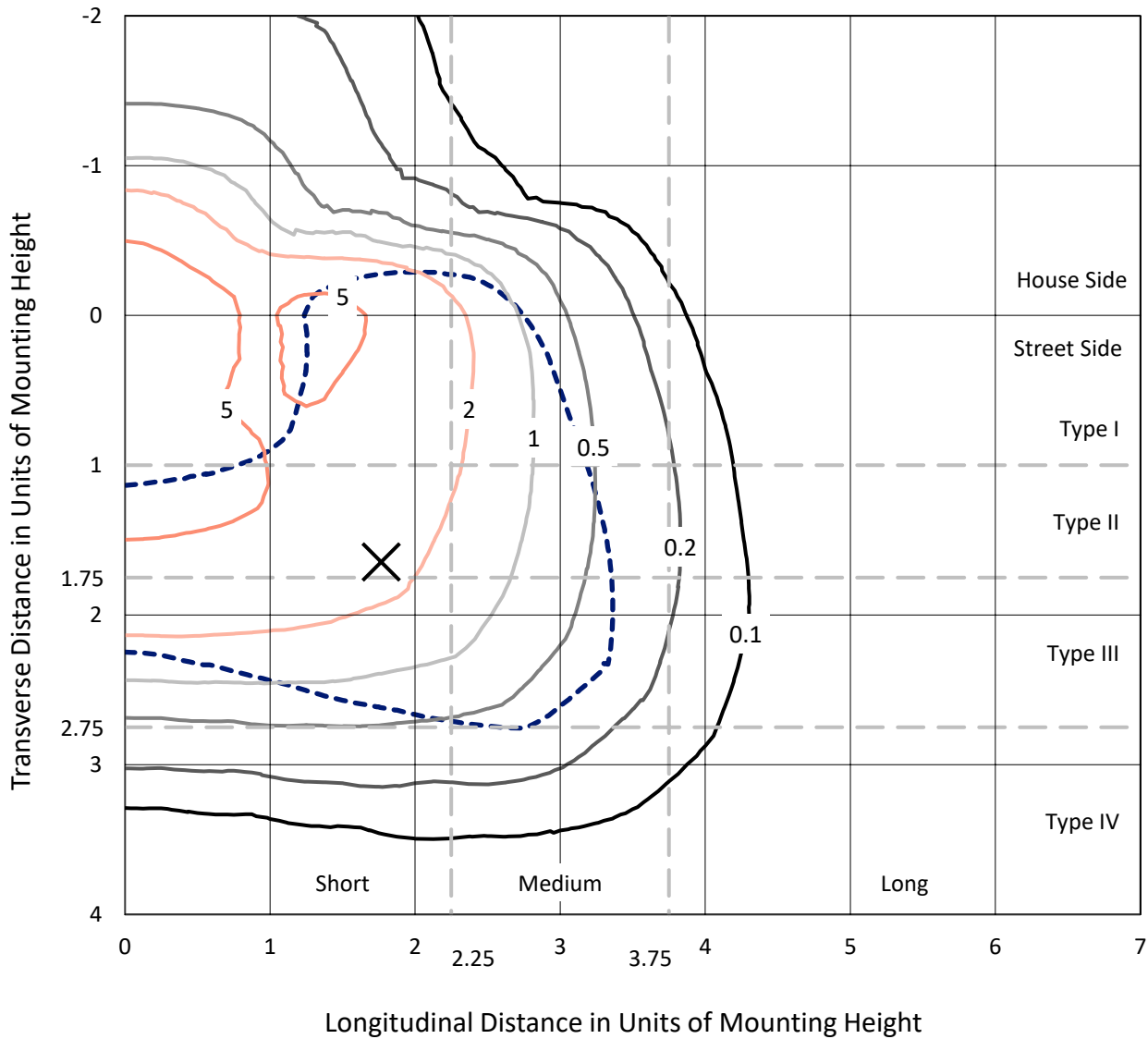
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

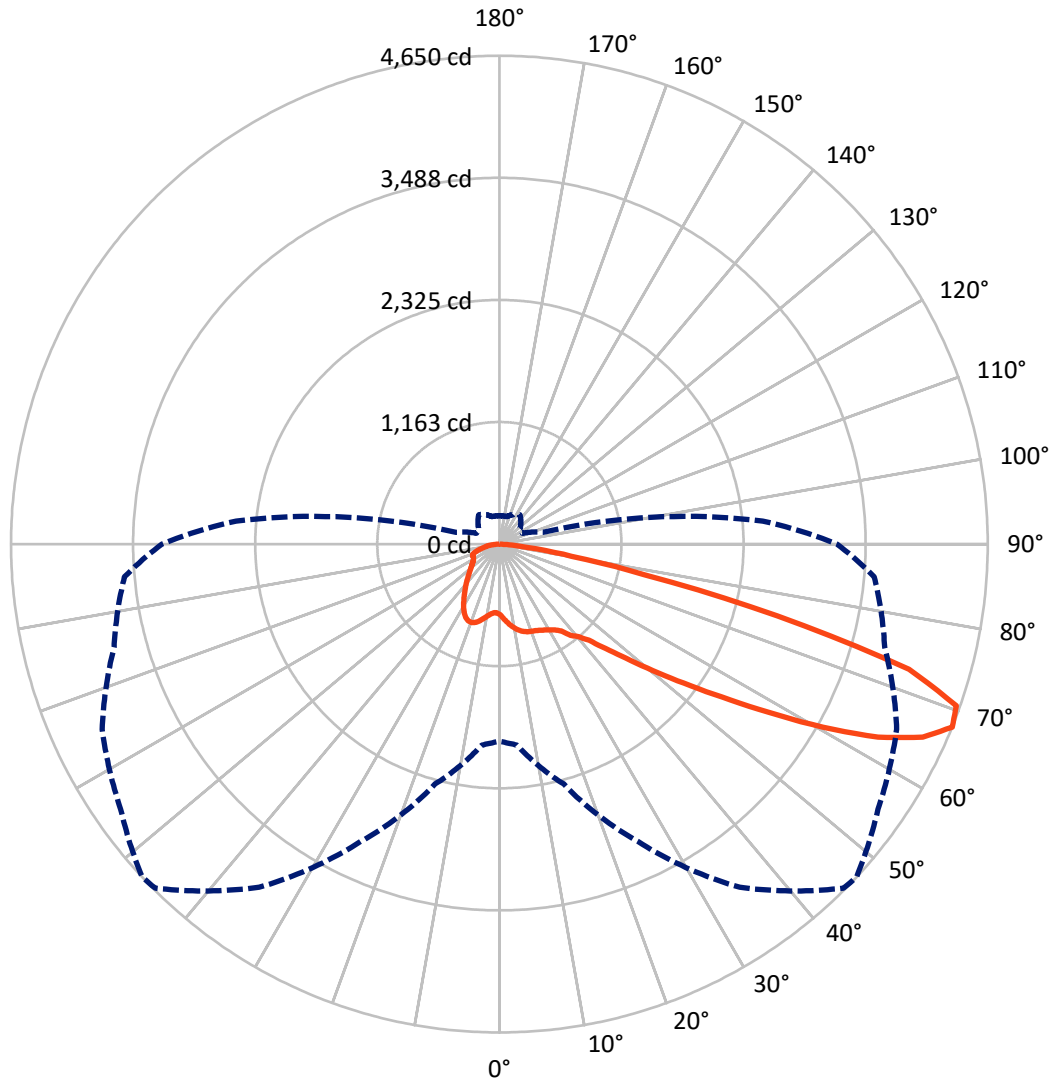
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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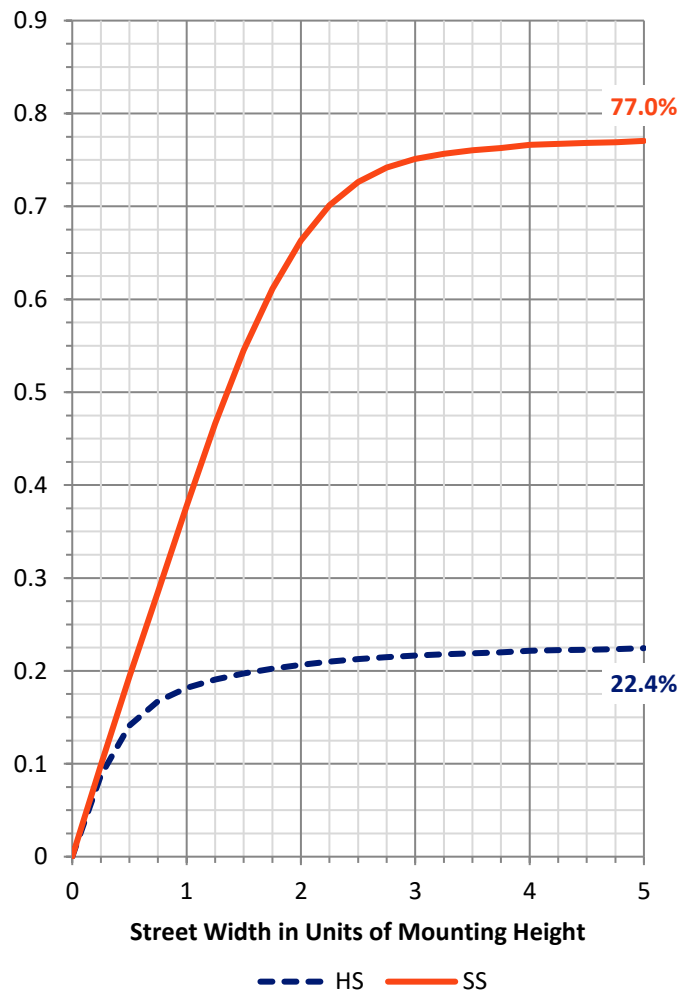
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1540.4	0.0	1540.4
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	5218.6	0.0	5218.6
	% Fixture	77.2	0.0	77.2
Total	Lumens	6759.0	0.0	6759.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	1.0
10°-20°	228.1	3.4
20°-30°	387.8	5.7
30°-40°	568.1	8.4
40°-50°	865.5	12.8
50°-60°	1548.6	22.9
60°-70°	2066.4	30.6
70°-80°	934.5	13.8
80°-90°	91.6	1.4
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°	6759.0	100.0
0°-180°	6759.0	100.0

Coefficient of Utilization



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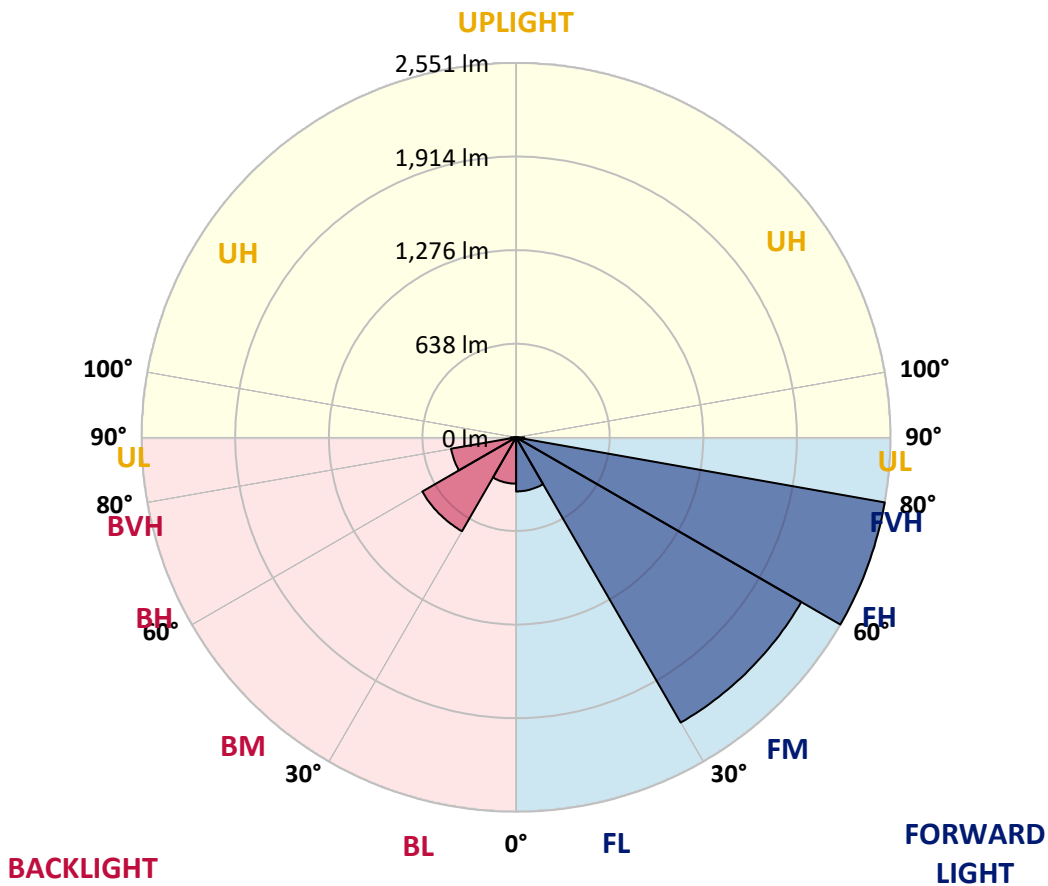
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.6	5.5			
FM (30°-60°)	2244.1	33.2			
FH (60°-80°)	2551.4	37.7			G2/5000
FVH (80°-90°)	54.5	0.8			G1/100
BL (0°-30°)	315.8	4.7	B1/500		
BM (30°-60°)	738.1	10.9	B1/1000		
BH (60°-80°)	449.4	6.6	B1/500		G1/500
BVH (80°-90°)	37.1	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0
2.5°	714.5	716.9	716.5	712.5	710.1	705.7	706.2	699.4	689.1	682.2	674.4
5°	777.5	781.5	776.6	770.2	760.4	746.3	744.8	729.2	709.6	695.9	681.8
7.5°	832.3	834.7	828.9	818.1	803.9	784.9	781.5	762.9	738.5	716.9	696.4
10°	874.8	877.7	869.9	855.7	837.2	818.1	815.7	796.6	770.7	745.3	719.4
12.5°	911.0	911.9	903.6	884.6	864.5	845.0	842.5	825.0	801.0	775.1	746.8
15°	932.0	932.5	922.2	901.2	882.1	865.0	863.6	848.4	826.4	802.0	771.7
17.5°	930.5	931.5	924.2	905.6	889.0	878.7	877.2	867.5	850.4	828.4	798.1
20°	912.4	913.4	908.5	896.3	887.5	884.6	885.1	882.1	871.9	853.8	823.0
22.5°	898.3	899.7	895.3	886.5	885.6	892.4	893.9	895.3	890.4	874.3	844.5
25°	905.1	907.5	900.7	888.5	890.4	905.6	908.5	913.4	909.5	895.8	869.9
27.5°	952.5	954.0	936.4	911.5	905.6	921.7	926.1	933.9	931.0	918.3	898.3
30°	1062.5	1061.5	1023.9	962.8	938.3	944.7	948.1	959.4	960.3	952.0	933.0
32.5°	1217.4	1212.5	1154.3	1057.1	986.2	970.6	974.5	989.7	1000.9	992.1	966.2
35°	1381.1	1376.7	1312.7	1198.8	1074.7	1020.4	1016.0	1027.8	1044.9	1020.4	983.3
37.5°	1537.0	1530.2	1464.7	1323.9	1183.7	1107.9	1101.6	1089.8	1079.6	1032.7	1004.3
40°	1710.0	1702.2	1645.0	1485.7	1303.9	1174.9	1158.7	1112.3	1103.0	1073.2	1059.0
42.5°	1894.8	1894.8	1847.3	1690.5	1449.0	1270.7	1249.6	1179.8	1189.5	1170.0	1153.4
45°	2079.5	2084.9	2047.2	1896.7	1643.1	1451.5	1417.8	1318.6	1342.0	1333.2	1324.9
47.5°	2236.9	2247.1	2239.8	2107.3	1880.6	1671.4	1620.1	1517.0	1567.3	1588.3	1611.8
50°	2406.4	2417.7	2410.4	2358.1	2158.7	1937.8	1891.8	1785.3	1871.8	1934.8	2011.6
52.5°	2658.1	2674.3	2613.2	2593.1	2496.4	2240.3	2199.2	2078.0	2234.9	2339.5	2510.5
55°	2870.7	2870.2	2848.7	2894.7	2859.0	2610.2	2564.8	2454.8	2655.2	2766.1	3016.4
57.5°	2969.4	2981.2	3055.0	3185.0	3256.3	3062.3	3018.8	2906.4	3106.3	3164.0	3434.2
60°	3020.3	3034.9	3177.6	3434.7	3626.8	3555.9	3538.8	3395.6	3508.0	3501.2	3786.6
62.5°	2948.9	2978.2	3207.4	3549.1	3891.2	4052.0	4046.6	3830.1	3849.6	3782.7	4005.0
65°	2621.5	2653.2	3012.9	3491.9	4042.2	4429.2	4430.7	4223.5	4112.1	3919.5	3968.4
67.5°	1874.7	1920.2	2364.9	3124.4	3988.9	4633.0	4650.1	4401.9	4173.6	3798.3	3583.3
70°	1021.9	1055.1	1403.6	2271.1	3509.0	4584.2	4615.9	4315.9	3901.9	3285.6	2758.3
72.5°	464.3	475.0	652.9	1246.2	2397.2	3945.9	4078.8	3851.6	3204.5	2427.0	1754.0
75°	212.6	217.5	284.4	596.2	1252.6	2640.5	2733.9	2868.8	2230.0	1532.6	914.4
77.5°	133.4	134.9	161.8	272.7	624.6	1318.1	1416.3	1708.1	1305.9	758.5	382.2
80°	78.7	80.1	100.7	147.6	293.2	603.1	696.4	675.4	613.8	327.4	174.0
82.5°	39.6	41.1	58.2	84.1	159.8	240.0	282.5	283.9	228.7	177.4	98.2
85°	14.2	14.7	19.1	33.2	67.9	79.2	88.5	108.0	111.9	103.1	47.4
87.5°	0.0	0.0	0.5	1.0	2.0	7.8	8.3	15.6	32.7	36.7	19.1
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°	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0
2.5°	672.0	664.7	662.2	659.8	655.9	654.4	651.5	648.5	648.5	645.6	644.1
5°	675.4	665.6	659.3	656.3	653.9	655.4	655.4	656.3	659.8	657.8	658.8
7.5°	687.6	676.4	667.6	665.1	665.1	671.0	674.9	679.8	686.2	687.1	687.1
10°	709.1	695.9	686.6	685.2	687.6	695.9	701.8	707.7	715.5	716.0	716.9
12.5°	732.6	719.4	710.1	712.1	714.5	725.3	731.6	736.5	744.3	744.3	743.8
15°	757.0	742.4	734.5	738.5	745.8	758.0	759.0	759.5	763.4	762.4	761.9
17.5°	782.4	766.8	760.9	766.8	774.6	780.5	775.6	768.8	767.3	765.3	764.4
20°	807.4	791.2	788.8	793.2	795.6	790.7	775.6	762.9	757.0	754.1	753.1
22.5°	828.9	815.2	813.7	813.7	801.5	784.4	761.9	744.8	737.0	733.1	732.1
25°	854.3	841.6	839.1	825.9	794.7	763.4	733.1	717.4	711.1	709.1	709.6
27.5°	884.1	875.3	867.5	829.8	775.1	726.2	692.0	685.2	682.7	685.2	686.6
30°	920.7	911.9	894.4	825.0	743.8	677.9	645.1	644.6	651.9	658.3	659.3
32.5°	950.6	946.6	917.8	809.3	699.8	624.6	596.7	598.7	611.9	620.7	622.1
35°	974.0	980.4	937.4	783.4	647.5	574.2	552.3	553.2	560.6	572.8	573.3
37.5°	1007.2	1028.7	955.0	743.8	587.4	530.7	510.7	503.4	502.4	505.8	506.8
40°	1074.2	1106.5	967.7	686.2	529.3	491.6	469.2	455.0	442.8	433.5	430.6
42.5°	1175.4	1212.5	975.0	616.3	477.5	453.0	427.6	409.5	388.0	368.5	361.7
45°	1361.1	1373.3	975.0	542.0	431.5	416.9	391.5	370.0	342.6	319.6	314.7
47.5°	1658.2	1619.1	976.0	470.1	391.0	385.1	363.1	338.7	308.4	289.3	286.4
50°	2105.9	1968.6	996.0	410.5	357.3	358.2	342.1	315.2	287.9	273.7	271.2
52.5°	2613.2	2399.1	1049.8	366.5	328.9	336.2	327.4	301.5	277.1	264.9	262.4
55°	3090.2	2795.0	1095.7	335.3	305.0	317.7	317.2	293.2	271.2	259.0	257.6
57.5°	3495.8	3066.2	1088.9	309.8	284.4	300.6	307.9	287.9	267.3	257.1	255.6
60°	3748.0	3209.9	991.6	286.4	268.8	288.3	302.5	286.4	269.3	266.8	267.3
62.5°	3857.4	3183.5	804.9	268.8	258.5	282.5	308.4	296.7	287.4	293.2	296.7
65°	3687.4	2956.7	592.3	255.6	248.8	283.9	322.1	312.8	287.4	291.3	292.7
67.5°	3215.3	2516.9	428.1	242.4	236.5	288.3	341.6	310.3	270.7	270.7	267.8
70°	2317.0	1810.2	310.8	229.2	224.3	282.0	342.6	293.7	251.7	250.2	242.9
72.5°	1394.3	1067.8	242.4	214.5	205.7	250.2	321.1	274.2	233.1	220.9	212.1
75°	724.3	535.1	203.3	198.4	176.4	212.1	293.7	243.9	199.4	188.6	183.8
77.5°	310.3	250.2	174.5	176.9	146.6	178.4	237.0	211.1	176.9	163.2	158.8
80°	153.0	142.2	137.8	141.7	117.3	137.8	204.3	184.7	150.0	134.4	128.0
82.5°	87.5	83.1	99.2	100.7	83.6	115.3	172.5	156.4	124.1	107.0	96.8
85°	40.6	43.5	60.1	60.6	51.8	79.2	112.9	88.0	66.0	54.7	52.3
87.5°	16.1	19.1	26.4	25.9	15.2	14.7	9.8	5.4	4.4	3.9	3.4
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)