

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: P630072

Luminaire Tested: GWS-SA1C-830-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630072
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-SA1C-830-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3811.3 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

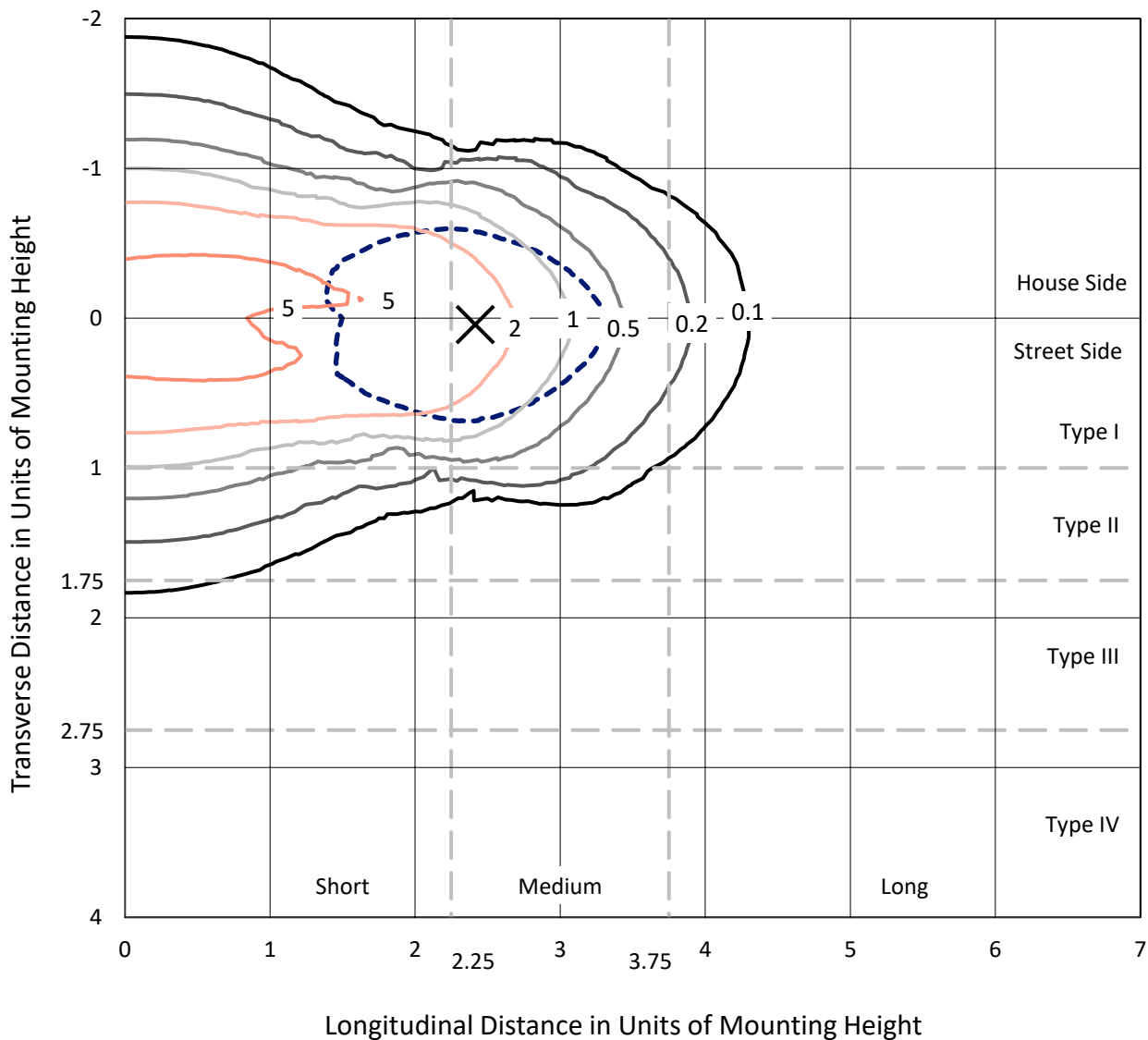
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

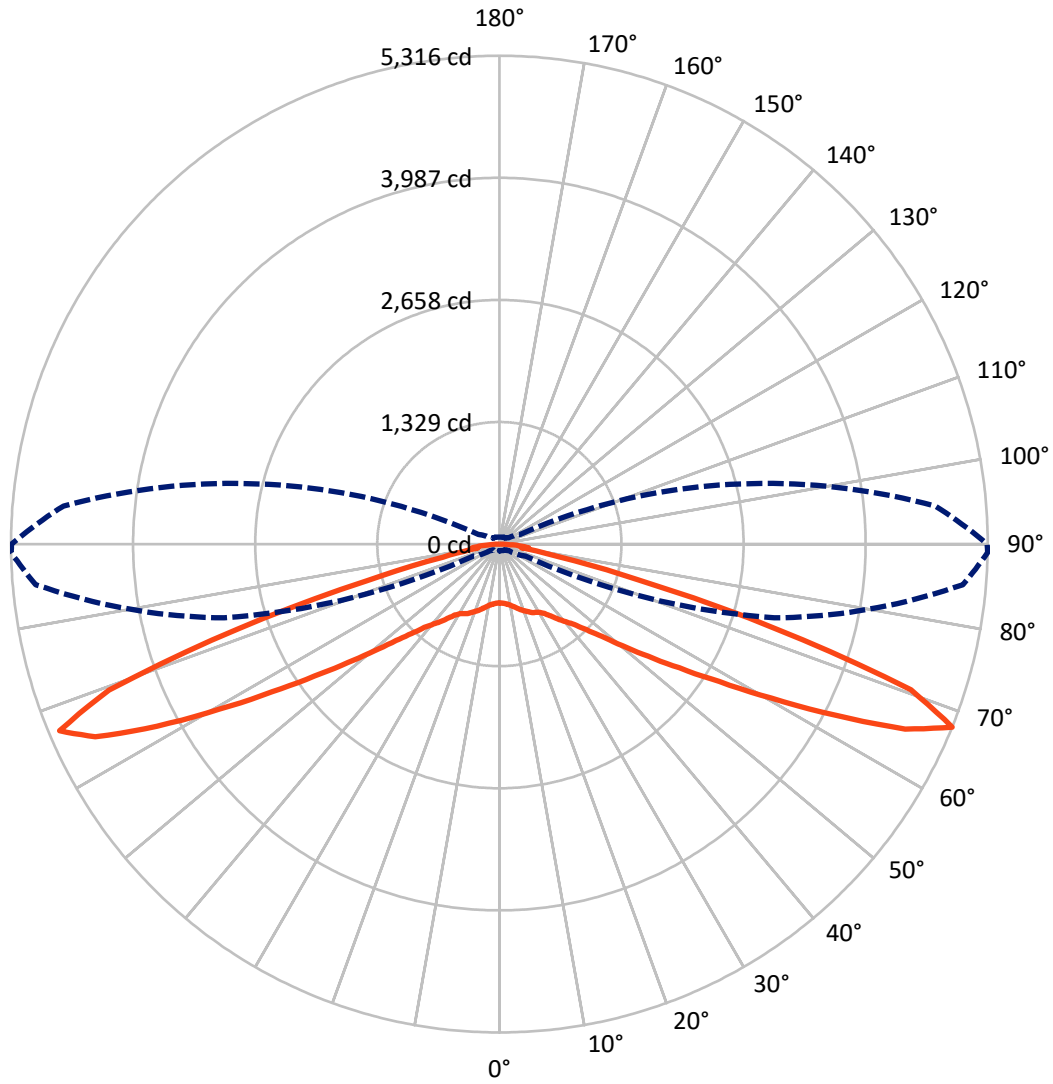
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



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

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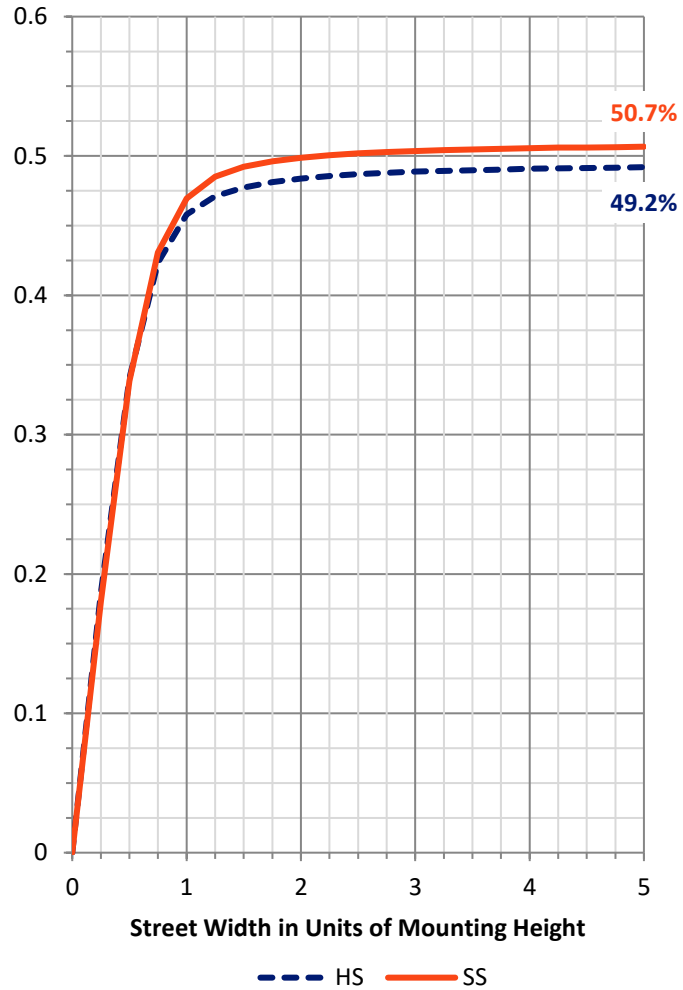
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1888.9	0.0	1888.9
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1922.4	0.0	1922.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	3811.3	0.0	3811.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	1.7
10°-20°	208.9	5.5
20°-30°	353.2	9.3
30°-40°	484.7	12.7
40°-50°	618.1	16.2
50°-60°	775.5	20.3
60°-70°	935.3	24.5
70°-80°	338.4	8.9
80°-90°	32.9	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°	3811.3	100.0
0°-180°	3811.3	100.0

Coefficient of Utilization



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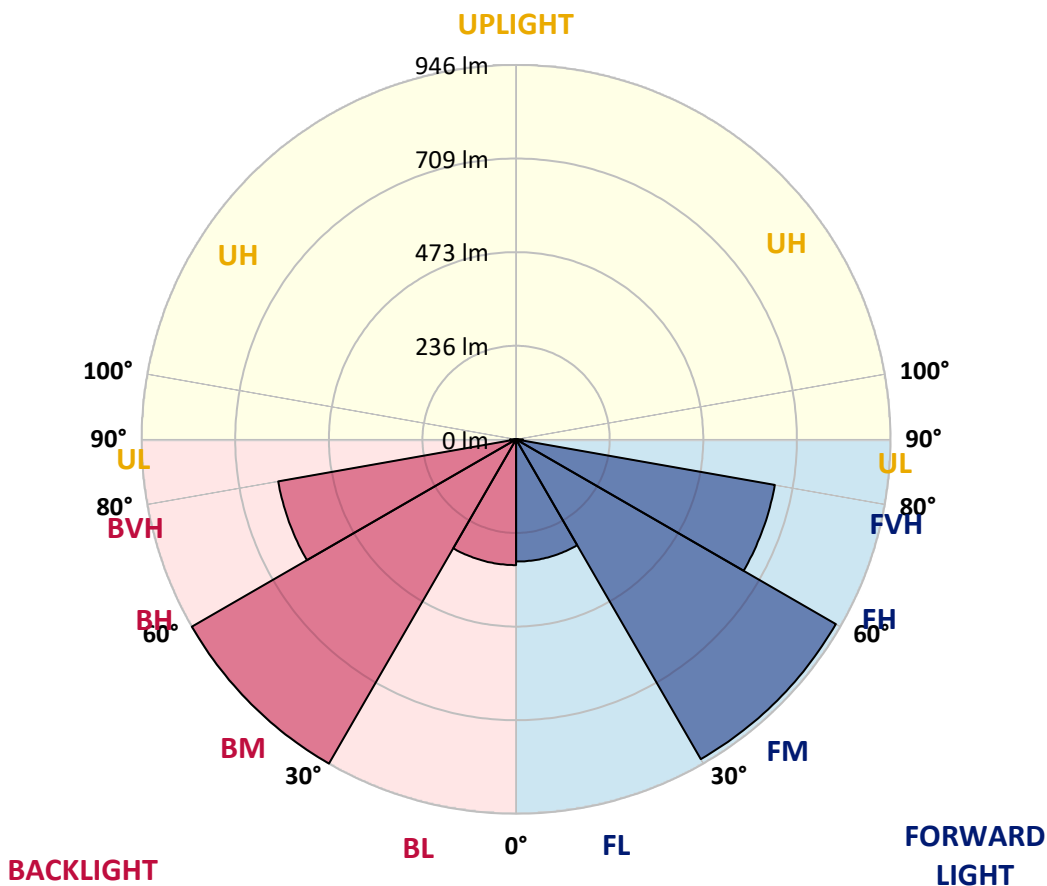
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.7	8.1			
FM (30°-60°)	932.7	24.5			
FH (60°-80°)	663.6	17.4			G1/1800
FVH (80°-90°)	17.4	0.5			G1/100
BL (0°-30°)	317.6	8.3	B1/500		
BM (30°-60°)	945.7	24.8	B1/1000		
BH (60°-80°)	610.1	16.0	B2/1000		G2/1000
BVH (80°-90°)	15.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7
2.5°	641.6	641.1	639.7	643.8	643.0	643.3	644.9	643.8	641.9	638.6	643.3
5°	659.7	659.4	656.4	658.9	656.1	654.2	653.9	651.2	649.0	645.4	650.4
7.5°	677.2	676.9	674.5	678.8	676.6	674.5	672.0	666.5	661.3	656.1	661.6
10°	690.6	690.3	689.8	696.1	696.6	697.5	696.4	687.1	678.0	671.7	677.2
12.5°	698.3	699.1	700.5	712.0	717.7	723.2	724.6	716.9	701.8	692.8	699.4
15°	693.1	694.7	701.6	722.4	738.2	750.6	755.8	749.5	730.0	715.0	722.4
17.5°	668.2	669.5	682.9	714.7	749.7	778.2	786.7	782.9	761.2	742.9	750.0
20°	633.7	636.7	651.2	695.5	747.8	797.4	820.1	818.7	795.2	767.0	775.5
22.5°	602.5	606.0	621.4	670.4	735.0	802.3	853.7	857.3	826.1	791.1	797.9
25°	567.4	570.7	590.4	640.5	712.8	798.5	882.5	898.6	861.1	818.7	825.0
27.5°	531.6	534.0	553.5	606.8	683.8	791.3	905.2	944.1	895.6	837.9	842.3
30°	500.1	503.4	521.2	573.2	652.0	777.1	923.8	992.5	935.3	859.5	863.1
32.5°	469.7	472.4	491.9	540.1	618.3	755.2	940.5	1049.5	994.2	899.7	899.7
35°	431.4	436.3	458.2	508.3	586.6	726.2	952.6	1115.7	1074.6	959.1	959.4
37.5°	396.1	398.8	421.8	472.4	553.2	693.3	953.7	1184.4	1176.5	1034.7	1035.2
40°	355.8	359.4	384.0	434.1	514.9	658.9	943.3	1248.5	1283.2	1112.4	1109.4
42.5°	315.1	320.3	343.8	392.8	473.5	616.7	915.6	1309.5	1418.7	1202.5	1195.1
45°	275.6	278.9	302.5	348.7	426.2	566.3	871.3	1368.1	1579.7	1339.3	1328.7
47.5°	231.3	232.7	257.0	301.4	377.2	510.2	807.8	1420.4	1756.5	1520.5	1502.2
50°	191.9	193.8	213.0	251.0	317.2	443.7	728.7	1451.0	1981.8	1767.7	1736.0
52.5°	155.2	157.1	172.4	202.8	262.2	367.9	630.7	1443.9	2210.3	2074.6	2028.3
55°	125.4	126.7	137.1	161.0	206.4	292.6	514.9	1380.1	2464.1	2475.3	2375.7
57.5°	105.9	106.5	113.6	128.1	161.2	225.5	397.4	1229.6	2730.1	2986.6	2822.9
60°	94.7	95.0	98.3	107.3	127.3	172.2	291.2	989.8	3005.8	3626.3	3401.9
62.5°	87.6	87.6	90.3	95.5	105.7	132.5	214.1	710.9	3203.7	4322.4	4099.3
65°	80.7	80.7	82.7	87.0	92.5	108.1	160.7	458.5	3300.9	4904.3	4854.8
67.5°	72.0	72.3	73.6	78.3	83.2	90.3	121.8	310.1	3099.1	5065.3	5316.0
70°	63.8	64.1	66.0	69.0	73.1	78.0	95.3	213.8	2255.8	4218.7	4753.2
72.5°	54.7	55.8	57.2	60.5	63.0	66.5	77.7	138.5	1312.5	2713.7	3142.1
75°	44.9	46.3	47.9	51.2	52.8	54.2	64.1	98.8	631.5	1375.2	1566.0
77.5°	34.8	36.1	38.0	41.1	42.2	43.8	49.0	71.4	302.5	609.6	657.2
80°	23.3	23.8	25.5	29.0	30.9	32.0	36.1	48.7	131.4	244.7	242.5
82.5°	14.2	14.5	15.1	17.2	18.1	19.2	23.5	29.8	62.7	278.1	318.9
85°	5.2	4.9	4.7	6.0	7.1	8.2	10.9	15.1	27.4	191.1	213.8
87.5°	0.0	0.0	0.0	0.3	0.5	0.5	1.1	2.2	6.6	71.4	49.0
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°	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7
2.5°	641.9	638.9	642.7	645.4	651.5	653.7	654.2	652.3	652.3	649.0	649.6
5°	649.3	647.4	653.7	658.3	667.1	670.4	672.5	671.2	672.0	669.8	670.4
7.5°	660.5	658.9	669.8	678.8	687.9	691.7	693.6	692.5	692.8	690.1	690.9
10°	676.1	676.6	689.8	701.6	713.6	717.4	718.3	715.0	712.2	707.3	707.6
12.5°	697.5	700.2	718.8	731.9	744.3	749.7	743.7	731.7	720.4	712.0	710.9
15°	720.7	725.6	752.5	769.2	782.6	779.8	762.1	735.0	712.8	700.2	697.7
17.5°	748.6	756.0	789.7	809.7	821.2	803.7	766.4	725.9	695.0	678.0	674.7
20°	774.9	786.7	829.1	855.1	856.5	817.1	764.5	707.6	668.7	647.9	643.5
22.5°	799.0	814.1	870.4	903.6	885.8	823.1	752.7	681.6	637.0	612.6	608.8
25°	825.3	846.6	918.6	949.6	915.1	820.6	728.1	649.3	598.6	573.7	571.0
27.5°	843.3	870.2	967.1	996.6	939.2	806.7	696.4	614.0	563.6	540.1	536.2
30°	864.2	898.4	1020.4	1047.8	953.9	786.1	662.4	581.1	531.0	505.6	502.8
32.5°	901.9	944.9	1086.7	1102.0	958.6	760.7	629.8	549.4	497.1	471.6	467.8
35°	962.7	1013.1	1179.8	1162.5	955.0	732.8	598.9	512.1	462.3	438.5	434.7
37.5°	1039.3	1102.0	1283.5	1217.0	945.2	702.1	562.2	480.9	431.1	407.0	404.8
40°	1110.8	1188.0	1399.8	1264.1	925.2	664.3	526.9	448.4	397.4	372.0	367.1
42.5°	1200.3	1302.9	1534.5	1304.8	892.3	619.2	487.2	408.1	355.3	332.3	326.3
45°	1336.3	1463.9	1691.1	1344.0	843.3	563.6	437.4	359.1	309.0	285.5	280.8
47.5°	1506.0	1665.1	1860.8	1367.3	768.9	505.0	381.0	307.4	257.3	230.8	228.6
50°	1744.5	1957.7	2042.8	1363.2	685.7	435.5	317.5	245.8	203.9	184.8	181.8
52.5°	2034.9	2325.0	2239.6	1313.9	597.3	356.4	247.4	193.0	161.8	148.1	145.6
55°	2399.2	2764.9	2446.8	1208.2	485.6	272.9	194.3	152.2	130.8	122.6	121.5
57.5°	2850.3	3334.5	2646.4	1030.3	365.1	208.3	149.7	125.6	115.5	110.6	110.3
60°	3445.7	3939.2	2819.6	800.6	261.4	159.3	123.7	112.2	104.3	101.0	100.7
62.5°	4153.5	4488.3	2927.5	545.3	196.5	127.0	108.9	101.8	97.2	95.3	95.0
65°	4881.1	4835.4	2876.0	357.2	149.2	107.8	97.7	93.9	89.8	87.9	87.9
67.5°	5310.8	4762.0	2481.0	248.0	118.2	94.7	88.1	84.6	77.7	76.1	76.1
70°	4704.0	3858.7	1626.2	181.5	95.8	82.9	76.6	71.7	69.0	67.3	67.1
72.5°	3111.2	2510.9	864.7	125.9	79.9	70.6	64.9	63.0	59.7	58.0	57.8
75°	1548.5	1318.8	443.2	90.9	66.5	56.7	54.2	53.4	50.6	48.4	47.9
77.5°	645.4	587.1	206.7	66.0	50.6	45.7	43.5	43.5	40.5	38.0	37.0
80°	243.3	216.8	97.7	45.2	37.5	33.9	32.6	31.5	29.0	26.0	24.4
82.5°	325.5	212.7	47.9	28.2	24.6	21.9	20.0	19.2	17.8	16.4	15.3
85°	210.8	151.1	21.6	14.5	12.3	9.3	8.2	7.7	6.8	6.0	5.5
87.5°	43.0	50.6	6.6	2.7	1.6	0.8	0.8	0.3	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)