

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: P629642

Luminaire Tested: GWS-SA1C-722-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3610.2 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

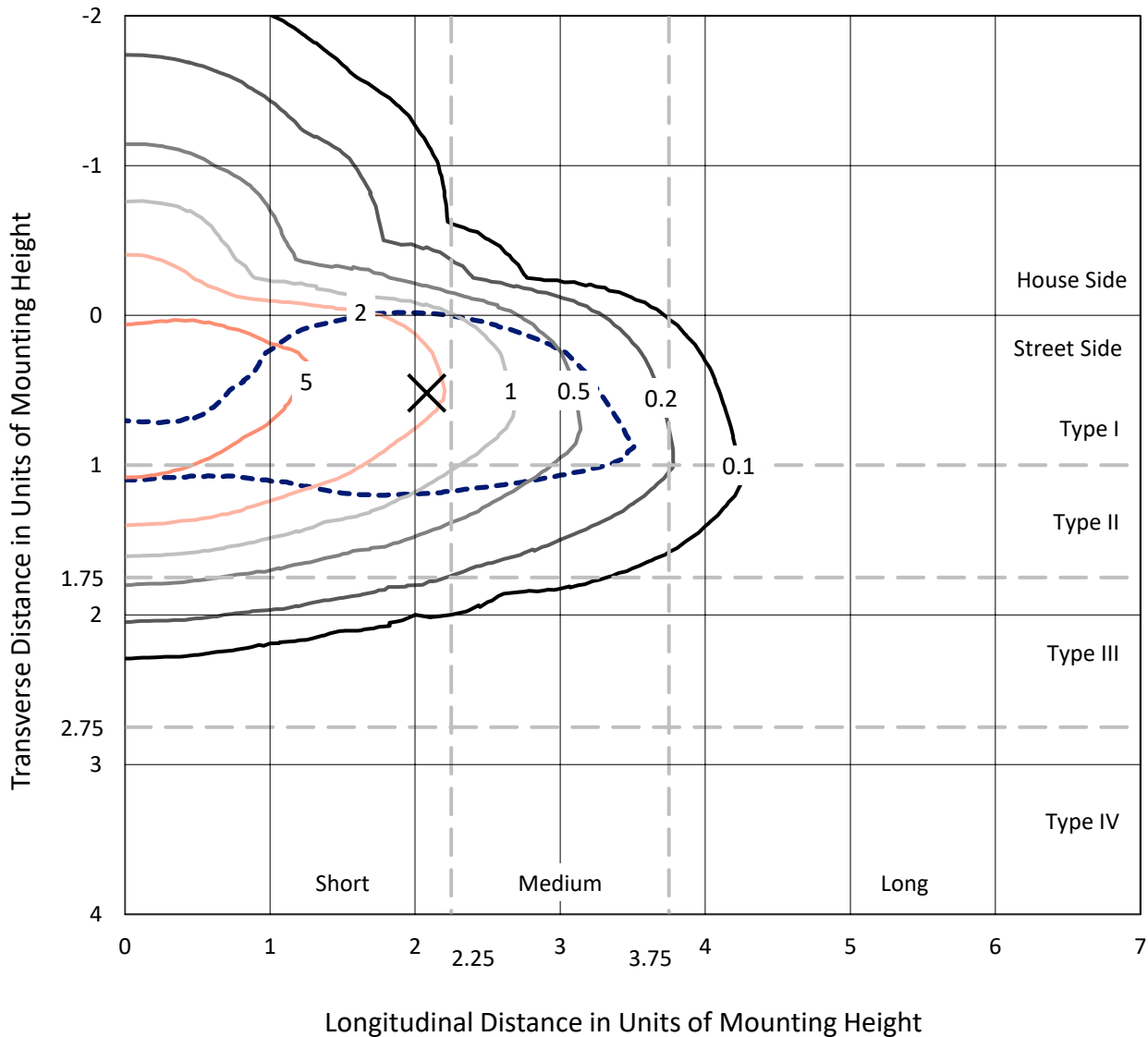


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Iso-Footcandle Lines of Horizontal Illumination

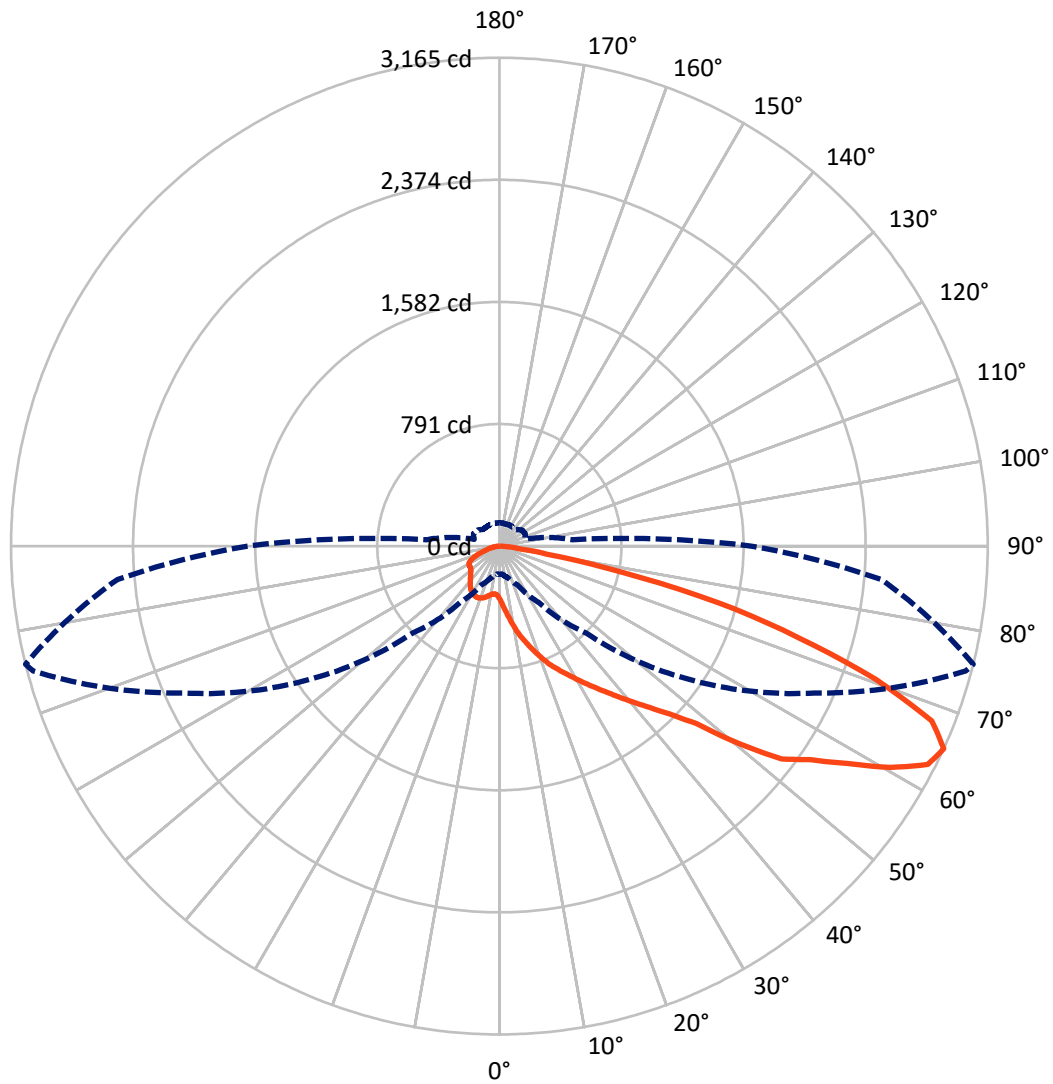
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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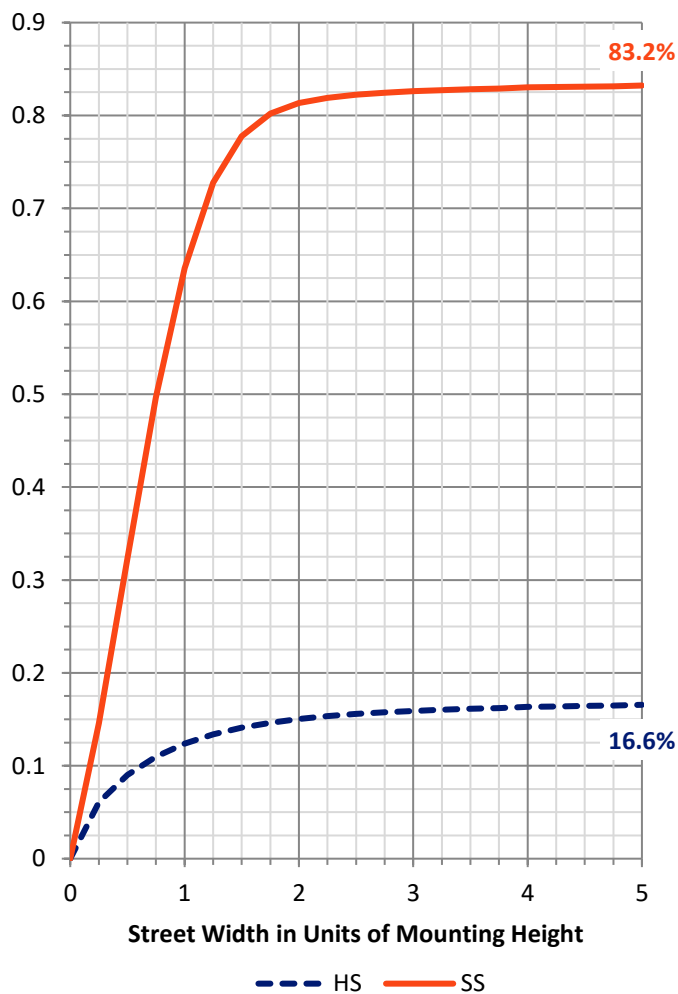
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	603.5	0.0	603.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	3006.7	0.0	3006.7
	% Fixture	83.3	0.0	83.3
Total	Lumens	3610.2	0.0	3610.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	1.1
10°-20°	154.7	4.3
20°-30°	301.5	8.4
30°-40°	504.2	14.0
40°-50°	722.0	20.0
50°-60°	854.7	23.7
60°-70°	710.7	19.7
70°-80°	290.8	8.1
80°-90°	31.0	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°	3610.2	100.0
0°-180°	3610.2	100.0

Coefficient of Utilization



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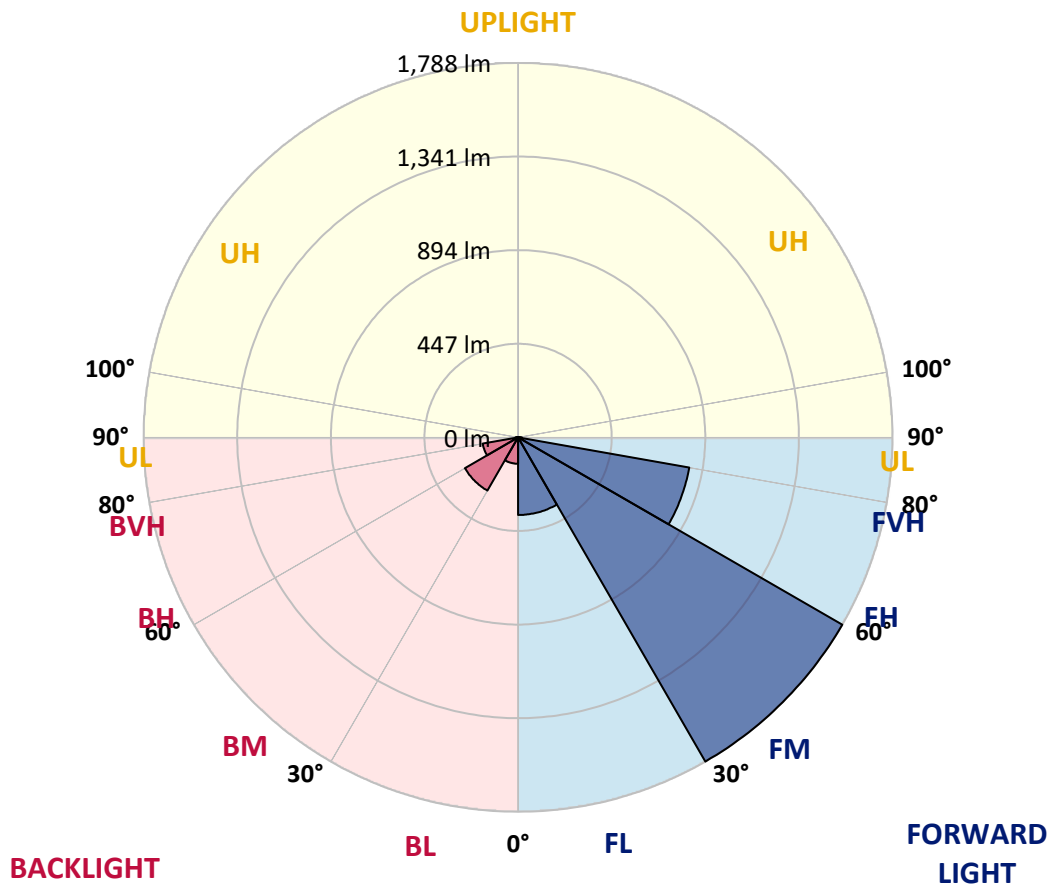
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.6	10.3			
FM (30°-60°)	1787.6	49.5			
FH (60°-80°)	830.1	23.0			G1/1800
FVH (80°-90°)	18.5	0.5			G1/100
BL (0°-30°)	126.2	3.5	B1/500		
BM (30°-60°)	293.3	8.1	B1/1000		
BH (60°-80°)	171.5	4.7	B1/500		G1/500
BVH (80°-90°)	12.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	341.9	341.9	341.9	341.9	341.9	341.9	341.9	341.9	341.9	341.9	341.9
2.5°	479.2	481.0	475.1	473.1	459.4	440.9	425.4	402.0	380.5	377.2	357.9
5°	608.6	601.0	594.4	590.1	571.1	550.0	517.3	473.3	427.4	421.8	380.2
7.5°	685.5	684.3	676.1	673.6	658.9	637.8	604.1	549.5	482.7	473.6	410.4
10°	747.2	746.4	742.4	744.7	731.2	710.6	677.9	621.6	543.4	534.3	444.2
12.5°	801.0	802.3	801.5	809.9	803.0	787.0	753.0	691.1	604.1	594.2	485.3
15°	840.3	841.4	845.2	863.4	867.2	863.9	829.4	759.4	663.9	649.7	527.7
17.5°	851.5	853.5	862.7	892.1	912.7	926.4	900.7	828.9	722.8	707.3	570.8
20°	866.5	868.8	877.9	908.6	938.8	970.0	965.5	899.5	782.2	769.5	614.5
22.5°	935.8	934.0	929.9	944.7	966.2	1005.1	1016.5	967.2	843.6	831.5	662.7
25°	1069.3	1066.0	1040.1	1026.6	1019.5	1043.1	1063.4	1028.9	903.5	885.3	707.6
27.5°	1216.5	1214.7	1181.7	1149.7	1106.1	1095.9	1107.8	1082.7	961.7	943.1	746.7
30°	1355.8	1350.5	1316.0	1275.9	1217.5	1173.8	1156.3	1135.5	1025.4	1006.1	792.4
32.5°	1480.4	1473.6	1433.0	1388.6	1327.4	1275.9	1223.6	1191.6	1097.4	1075.1	839.1
35°	1582.7	1575.9	1534.2	1487.0	1419.8	1381.7	1310.1	1252.5	1170.8	1148.2	894.1
37.5°	1661.9	1655.6	1612.2	1565.7	1507.1	1476.9	1414.7	1321.0	1255.3	1231.7	952.5
40°	1706.3	1701.7	1667.0	1630.2	1580.9	1554.8	1526.9	1407.6	1350.0	1326.4	1021.3
42.5°	1719.8	1716.7	1692.4	1673.3	1640.1	1620.3	1636.3	1509.4	1451.0	1430.4	1098.7
45°	1686.0	1686.0	1678.9	1688.6	1690.1	1689.8	1745.9	1624.3	1575.1	1552.5	1207.8
47.5°	1599.7	1605.3	1615.7	1663.2	1713.2	1755.0	1874.1	1777.6	1734.7	1716.2	1362.4
50°	1441.9	1457.1	1492.6	1585.3	1691.6	1798.2	1995.4	2004.3	2045.1	2012.4	1589.8
52.5°	1210.6	1208.4	1299.0	1430.9	1593.1	1800.0	2062.1	2204.3	2314.2	2291.6	1758.9
55°	962.2	958.4	1042.9	1224.9	1442.1	1732.0	2102.2	2295.9	2463.4	2443.1	1910.9
57.5°	736.8	732.0	807.1	971.3	1228.9	1587.5	2094.6	2405.0	2668.7	2658.3	2117.5
60°	507.1	501.3	571.6	715.2	976.6	1366.7	2010.4	2461.1	2909.1	2912.6	2338.5
62.5°	304.6	301.3	352.3	463.7	702.5	1093.1	1813.2	2427.1	3100.5	3116.4	2480.7
65°	183.8	181.5	211.4	276.6	445.7	797.7	1509.1	2253.3	3128.1	3164.9	2484.0
67.5°	133.8	134.0	142.6	168.5	259.9	515.2	1132.5	1941.6	2984.0	3022.0	2327.4
70°	116.2	116.7	121.3	127.2	157.1	294.9	736.3	1532.7	2557.8	2587.3	1952.0
72.5°	103.3	103.3	106.3	109.4	122.8	179.7	394.4	1071.3	2018.7	2026.6	1489.8
75°	90.9	90.1	91.6	93.1	106.6	125.6	191.9	746.4	1491.1	1472.8	962.9
77.5°	72.3	71.6	71.8	73.3	85.5	89.8	97.2	466.2	840.3	793.1	425.4
80°	51.5	51.0	53.8	57.6	63.2	55.1	60.9	225.6	333.2	310.1	165.0
82.5°	30.7	31.7	36.0	39.1	43.7	34.5	39.3	75.4	118.0	115.0	67.0
85°	4.3	4.6	12.9	15.0	18.8	13.5	20.8	34.0	47.2	50.5	23.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.1	13.5	13.7	5.8
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°	341.9	341.9	341.9	341.9	341.9	341.9	341.9	341.9	341.9	341.9	341.9
2.5°	348.0	336.0	319.0	304.8	292.9	283.2	275.1	269.0	267.3	264.7	264.7
5°	360.7	339.1	308.6	287.1	274.6	267.3	262.2	259.6	258.4	256.8	256.1
7.5°	378.2	348.0	306.8	285.0	275.4	270.8	267.5	266.0	265.0	263.4	263.4
10°	402.3	361.2	312.4	292.1	284.5	279.9	276.1	273.6	271.3	269.0	268.5
12.5°	428.4	378.4	322.6	301.8	293.7	288.1	282.7	278.9	276.1	273.3	272.6
15°	457.4	396.2	333.5	311.2	301.0	293.4	287.1	281.2	277.4	273.3	272.8
17.5°	485.8	414.2	342.6	317.5	304.6	295.2	286.0	278.4	273.6	269.0	267.8
20°	519.8	432.2	349.0	319.3	303.8	291.4	280.5	270.8	265.5	260.1	259.4
22.5°	551.0	449.0	352.0	316.7	298.0	283.2	270.6	260.1	254.3	249.0	248.0
25°	581.2	463.7	350.8	310.7	289.1	272.1	258.9	248.5	242.9	237.3	235.8
27.5°	610.4	473.6	345.7	301.3	277.9	259.6	247.0	237.6	232.7	227.9	225.9
30°	639.1	482.7	337.8	289.1	263.7	246.7	236.3	229.7	224.9	219.8	218.3
32.5°	668.0	489.3	325.9	274.9	249.2	235.3	228.9	224.1	219.0	214.0	212.4
35°	697.2	492.1	311.4	258.6	237.1	227.9	225.6	220.0	213.2	207.1	205.1
37.5°	732.0	494.7	293.4	242.6	226.4	224.4	223.9	215.5	207.4	199.0	196.7
40°	773.8	498.0	274.9	228.2	217.8	223.1	221.1	209.6	193.4	185.3	182.7
42.5°	825.1	504.1	255.6	215.0	211.4	218.3	216.0	195.4	184.5	179.9	178.7
45°	900.5	526.4	236.3	204.6	206.6	211.4	207.9	187.1	182.7	179.7	178.2
47.5°	1034.8	560.7	219.5	196.7	202.8	205.3	191.6	184.8	181.5	177.4	175.6
50°	1174.3	575.6	206.1	191.9	198.5	199.7	182.7	181.7	179.4	175.1	173.3
52.5°	1268.8	573.6	198.0	190.1	194.9	190.1	178.7	178.4	176.9	171.8	169.8
55°	1375.4	577.1	194.4	190.6	193.4	173.9	173.6	174.4	173.6	168.0	167.0
57.5°	1519.3	588.1	192.6	192.4	192.4	166.0	168.8	169.8	168.3	165.7	165.0
60°	1657.6	588.8	189.3	194.4	191.6	161.2	163.2	164.2	162.4	161.9	161.7
62.5°	1709.6	552.3	182.0	192.9	188.6	155.8	157.4	157.9	156.1	157.4	157.1
65°	1632.2	474.6	169.8	185.5	179.2	151.0	150.0	151.3	148.2	151.5	151.8
67.5°	1449.2	377.2	151.3	171.6	166.0	145.7	143.7	143.7	138.6	143.7	143.4
70°	1168.5	266.5	124.1	149.2	151.5	139.3	138.3	132.5	124.4	132.0	131.2
72.5°	885.8	191.4	97.7	118.0	130.5	130.5	130.7	120.8	111.4	115.0	111.9
75°	561.2	134.8	78.2	90.4	102.3	114.5	120.3	102.0	93.7	92.1	90.6
77.5°	252.8	88.6	60.9	69.3	72.6	90.4	109.9	87.8	76.4	73.1	72.1
80°	105.8	55.1	43.4	49.0	44.7	75.9	97.0	68.3	56.1	51.5	48.2
82.5°	46.4	32.7	27.7	26.4	27.9	56.3	72.3	45.4	35.0	47.5	48.0
85°	19.5	17.3	14.2	12.9	11.4	21.6	34.0	17.8	21.8	12.4	10.2
87.5°	4.6	5.1	3.8	2.5	1.5	0.3	0.0	0.0	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)