

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: P630076

Luminaire Tested: GWS-SA1C-830-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3788.3 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

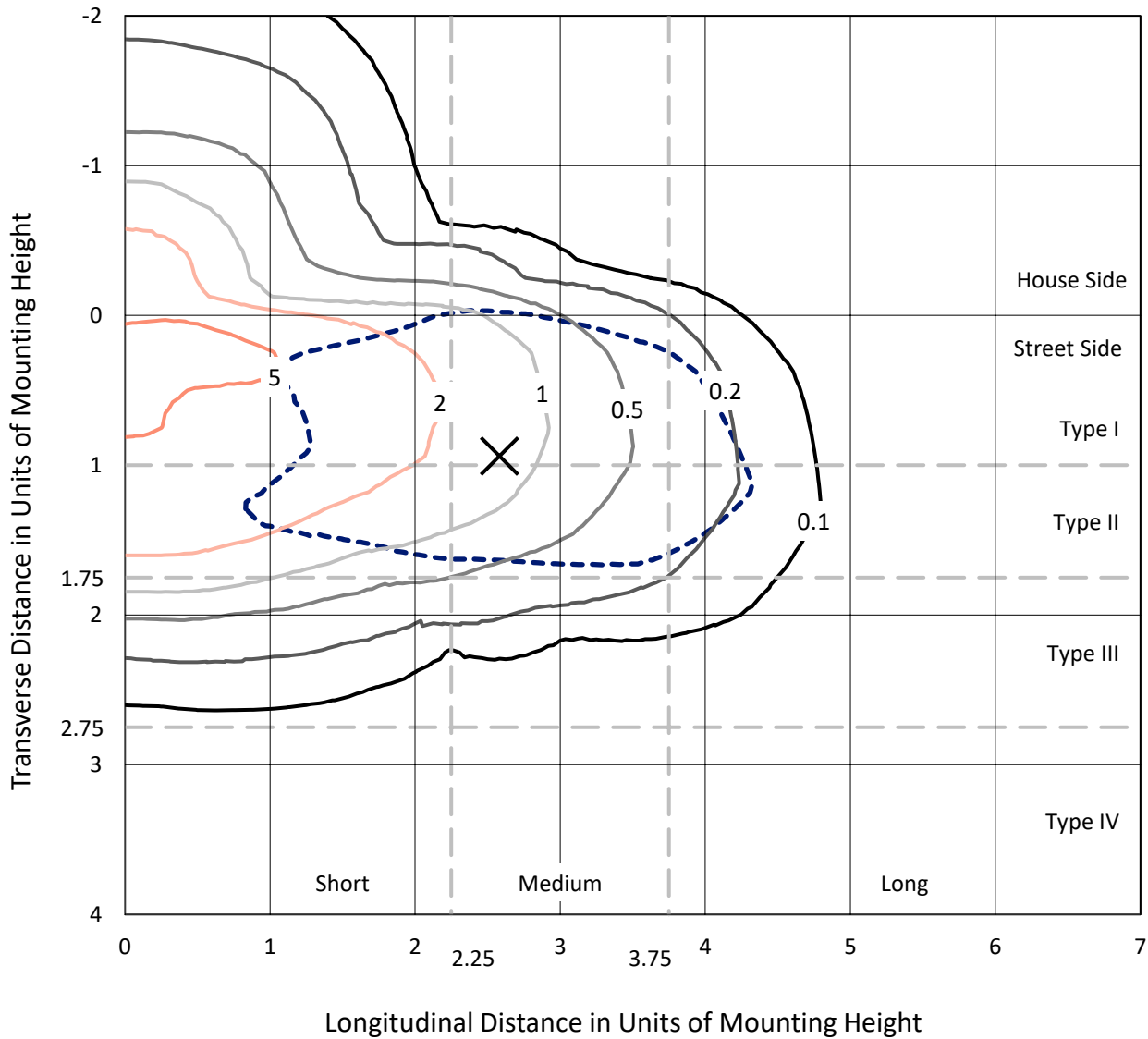
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

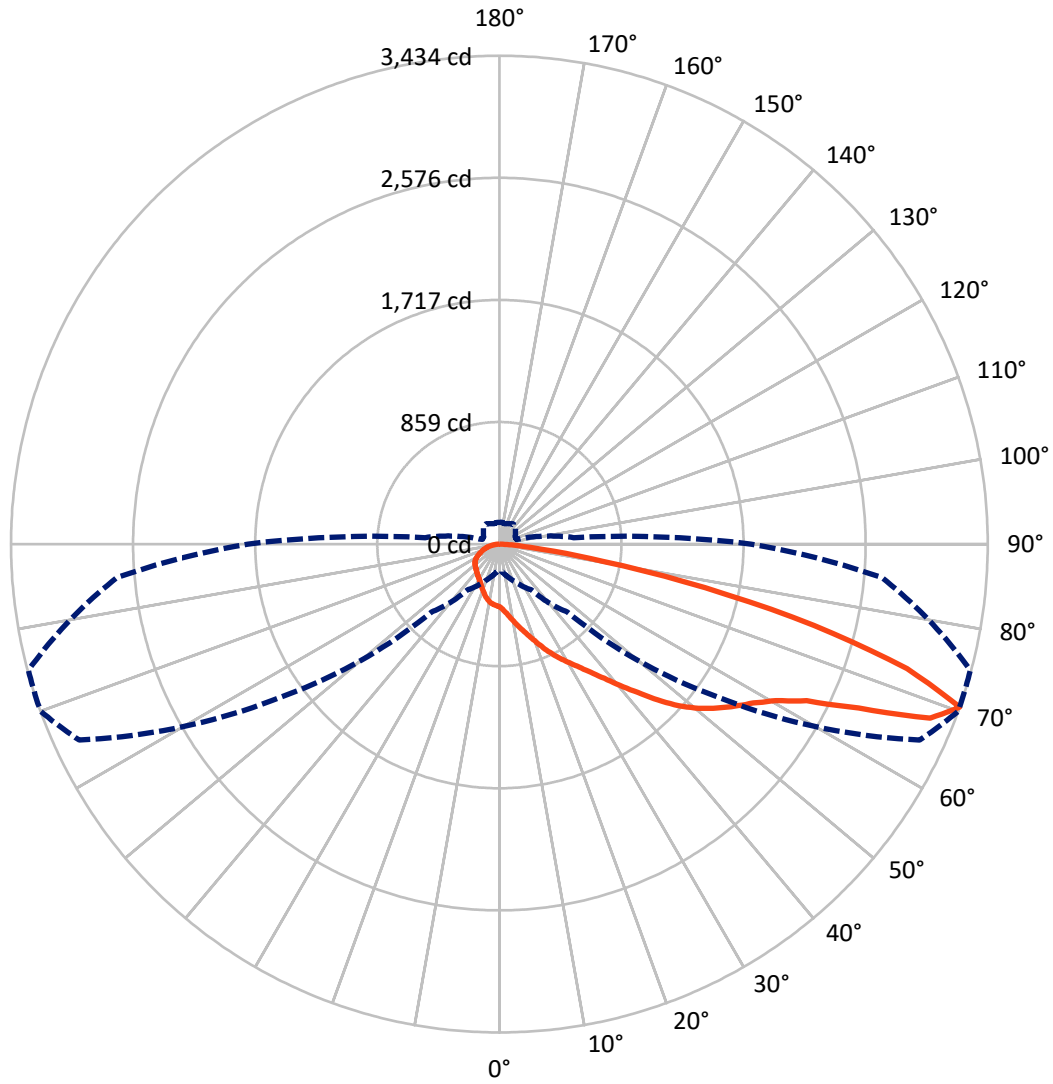
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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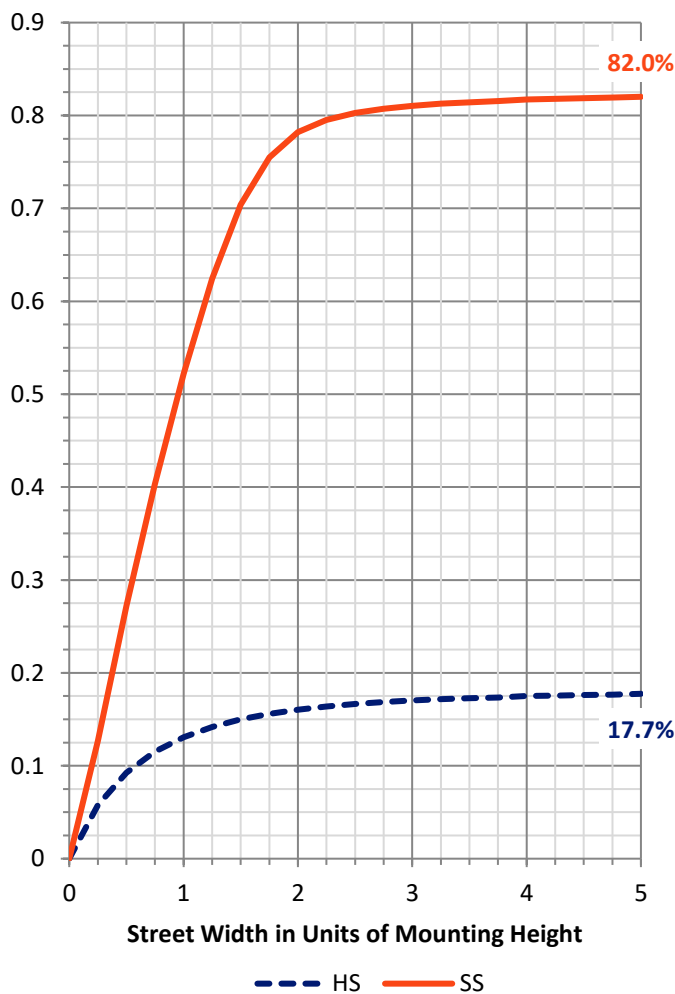
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	678.9	0.0	678.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	3109.4	0.0	3109.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	3788.3	0.0	3788.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	1.2
10°-20°	146.1	3.9
20°-30°	258.8	6.8
30°-40°	389.5	10.3
40°-50°	589.2	15.6
50°-60°	844.1	22.3
60°-70°	933.0	24.6
70°-80°	526.5	13.9
80°-90°	56.3	1.5
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°	3788.3	100.0
0°-180°	3788.3	100.0

Coefficient of Utilization



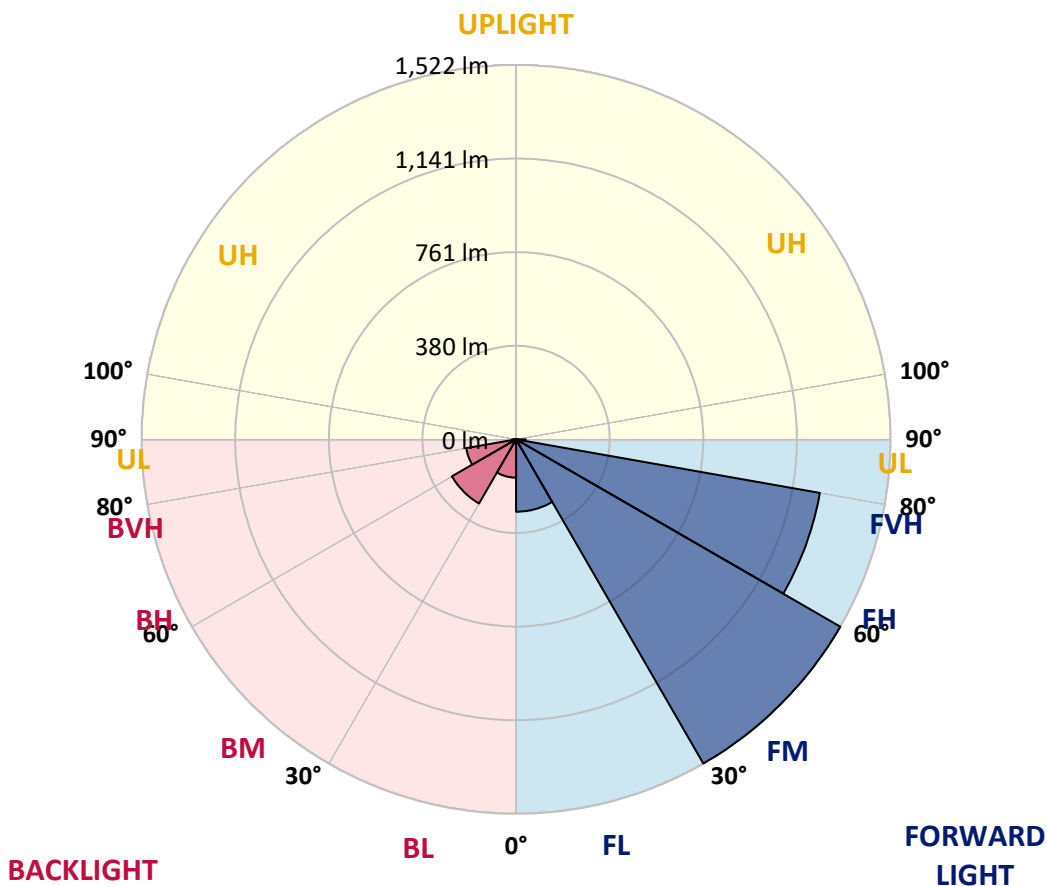
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.1	7.8			
FM (30°-60°)	1521.8	40.2			
FH (60°-80°)	1253.8	33.1			G1/1800
FVH (80°-90°)	39.8	1.1			G1/100
BL (0°-30°)	155.7	4.1	B1/500		
BM (30°-60°)	300.9	7.9	B1/1000		
BH (60°-80°)	205.8	5.4	B1/500		G1/500
BVH (80°-90°)	16.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8
2.5°	489.4	488.6	489.1	488.6	485.6	478.2	472.2	464.5	459.3	456.3	449.2
5°	546.9	546.1	544.2	541.4	536.0	525.8	510.8	494.1	483.9	476.3	461.2
7.5°	588.2	588.2	588.0	584.7	580.8	570.2	552.4	530.5	515.7	502.6	477.9
10°	609.3	610.7	612.6	617.3	616.4	610.7	594.0	570.4	551.8	536.5	499.8
12.5°	620.8	621.6	624.9	634.5	644.4	645.7	635.9	611.2	591.0	570.4	524.2
15°	635.6	635.9	640.2	651.7	666.2	680.8	678.3	653.7	632.9	610.1	551.3
17.5°	647.1	649.0	656.9	670.4	688.4	708.4	720.4	705.1	679.4	653.4	580.8
20°	651.2	652.6	663.0	683.5	708.1	736.3	763.1	759.0	733.0	702.4	614.2
22.5°	666.0	666.0	673.6	690.9	719.9	761.0	804.5	815.2	792.2	756.3	650.1
25°	698.5	697.5	701.0	708.1	730.0	780.7	845.3	877.3	851.6	811.3	686.0
27.5°	743.2	742.6	742.3	743.4	750.8	797.9	879.8	935.3	909.6	864.2	718.0
30°	791.6	790.0	793.5	790.2	788.6	818.4	909.0	987.3	967.3	916.4	744.5
32.5°	857.6	854.6	853.8	843.1	836.5	850.5	932.6	1046.5	1030.6	972.8	774.4
35°	944.6	941.9	927.9	911.0	891.5	898.1	961.9	1104.2	1105.3	1043.4	813.5
37.5°	1032.5	1033.0	1022.1	982.1	962.1	958.3	1006.5	1174.6	1198.1	1127.8	864.2
40°	1105.6	1108.9	1108.9	1066.7	1036.9	1033.3	1069.2	1258.0	1304.9	1231.2	928.2
42.5°	1161.1	1164.2	1173.7	1143.4	1111.9	1124.2	1145.3	1341.8	1425.8	1359.1	1009.2
45°	1222.2	1224.7	1229.9	1212.3	1194.0	1226.8	1231.5	1442.0	1564.3	1502.5	1103.4
47.5°	1303.2	1301.0	1301.6	1288.7	1274.5	1327.6	1326.5	1526.3	1698.2	1659.6	1205.5
50°	1403.9	1408.0	1404.2	1378.8	1362.1	1410.5	1416.8	1619.6	1815.9	1815.1	1308.4
52.5°	1500.8	1502.5	1522.7	1523.8	1489.6	1479.5	1495.9	1713.8	1915.3	1957.4	1407.2
55°	1505.8	1512.1	1572.8	1616.6	1671.9	1590.6	1575.8	1803.6	2011.3	2096.7	1509.9
57.5°	1400.9	1411.1	1514.3	1608.7	1762.5	1781.4	1712.7	1919.6	2107.4	2233.9	1628.7
60°	1177.0	1198.1	1338.2	1482.8	1721.7	1918.5	1992.7	2077.3	2233.6	2374.0	1772.9
62.5°	751.7	759.9	956.4	1198.4	1538.1	1905.1	2297.7	2355.1	2425.8	2556.6	1995.2
65°	376.4	402.7	517.9	715.2	1109.1	1678.8	2451.8	2864.0	2777.5	2869.2	2355.4
67.5°	255.4	263.9	322.2	429.8	650.4	1189.3	2356.2	3292.7	3267.2	3282.3	2739.5
70°	188.3	193.8	239.8	304.4	393.3	675.3	1875.8	3260.4	3434.2	3428.7	2699.2
72.5°	137.4	140.1	174.9	232.4	291.5	349.3	1145.5	2633.8	2997.9	3155.8	2360.6
75°	99.9	103.2	121.5	173.8	226.6	217.9	565.5	1902.4	2286.2	2590.0	1923.2
77.5°	74.5	78.6	87.0	108.9	158.8	156.0	244.4	1235.3	1478.7	1691.6	1168.3
80°	53.7	54.5	59.4	69.8	100.7	91.4	116.3	644.1	738.5	809.1	457.9
82.5°	32.6	33.4	39.7	43.0	62.4	57.5	60.5	208.6	298.9	317.2	171.1
85°	9.6	10.1	18.1	19.7	26.0	24.6	24.4	84.9	101.3	129.5	67.3
87.5°	0.0	0.0	0.0	0.0	0.3	1.6	3.0	15.1	22.7	31.5	16.4
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°	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8
2.5°	446.4	440.2	436.9	431.1	427.0	422.9	418.8	415.0	413.3	410.9	411.4
5°	454.4	444.5	434.7	423.5	413.9	405.9	398.8	392.5	389.8	387.3	388.4
7.5°	466.4	451.6	432.8	412.2	397.2	386.2	378.8	374.5	373.1	371.2	371.2
10°	481.8	459.6	426.5	397.2	379.1	370.4	367.1	366.8	368.2	368.4	367.9
12.5°	498.7	467.3	417.2	379.4	364.1	361.3	363.8	368.4	373.1	375.6	375.0
15°	516.2	472.2	401.3	362.4	353.1	356.7	364.6	373.9	382.9	387.6	387.3
17.5°	532.7	473.3	380.8	346.0	343.5	352.6	366.2	380.8	393.1	399.6	399.9
20°	551.0	471.4	359.7	331.2	333.9	348.7	366.8	384.3	398.8	405.4	407.0
22.5°	567.7	464.8	339.1	317.2	325.7	344.1	362.4	378.8	391.7	398.0	400.2
25°	582.8	452.2	316.7	305.5	319.4	337.5	351.5	363.0	372.0	375.8	378.8
27.5°	591.0	433.3	299.7	296.2	313.4	328.2	335.9	339.4	342.4	341.3	343.5
30°	592.6	409.8	284.9	288.8	304.4	315.3	317.0	313.4	308.2	299.7	301.6
32.5°	591.0	382.7	272.6	280.8	294.3	300.8	298.6	289.3	276.7	263.6	264.4
35°	591.5	355.3	262.5	272.1	282.5	286.0	280.6	267.7	254.3	242.2	241.7
37.5°	597.5	332.3	254.0	263.6	271.0	271.5	265.5	252.1	245.3	236.2	235.1
40°	614.2	315.3	246.4	255.1	259.8	259.5	252.6	243.1	247.7	244.7	243.9
42.5°	641.6	304.9	240.1	246.1	249.4	249.9	244.4	238.4	248.5	244.7	243.3
45°	685.7	304.4	235.7	237.0	242.2	246.1	242.2	235.4	239.2	220.6	217.1
47.5°	738.0	313.7	232.4	229.1	238.1	245.0	239.0	228.0	220.1	203.1	200.6
50°	800.9	332.6	229.4	220.6	232.1	240.9	234.9	219.8	207.8	198.7	197.4
52.5°	875.7	357.5	225.6	211.0	223.1	238.7	234.9	219.0	203.1	194.9	193.5
55°	953.9	386.2	221.2	199.5	213.0	239.2	236.8	213.2	199.5	195.2	194.1
57.5°	1051.1	420.7	213.2	186.1	203.9	234.3	229.1	209.9	197.1	193.5	192.4
60°	1177.3	471.9	198.2	172.4	193.5	225.6	222.3	204.5	190.5	187.5	186.7
62.5°	1377.1	558.7	179.8	159.3	181.2	207.2	212.1	194.1	182.3	182.0	181.8
65°	1702.9	663.0	158.2	147.5	168.3	192.2	198.7	183.4	173.8	176.8	176.6
67.5°	1931.1	672.0	140.4	135.2	153.3	175.7	185.3	172.4	162.0	167.8	167.5
70°	1768.8	524.2	125.1	122.4	137.1	157.9	170.8	158.8	148.4	153.8	152.7
72.5°	1491.8	401.8	110.6	108.9	120.7	139.3	152.2	145.1	134.1	134.1	131.7
75°	1198.9	331.5	95.3	94.4	102.4	120.4	134.9	122.9	112.8	112.2	110.6
77.5°	687.6	217.3	79.9	79.4	81.8	100.7	104.8	102.4	94.7	91.2	90.1
80°	274.0	113.0	63.0	59.4	61.9	73.9	82.7	78.6	72.0	67.6	65.1
82.5°	106.2	56.7	44.3	38.9	42.4	53.4	59.9	58.6	54.2	44.3	41.6
85°	43.2	27.6	26.6	22.4	24.6	28.7	34.5	29.8	24.6	17.5	16.7
87.5°	11.5	10.1	9.9	6.0	4.7	1.4	0.3	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)