

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: P631945

Luminaire Tested: GWS-SA2B-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5215.4 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

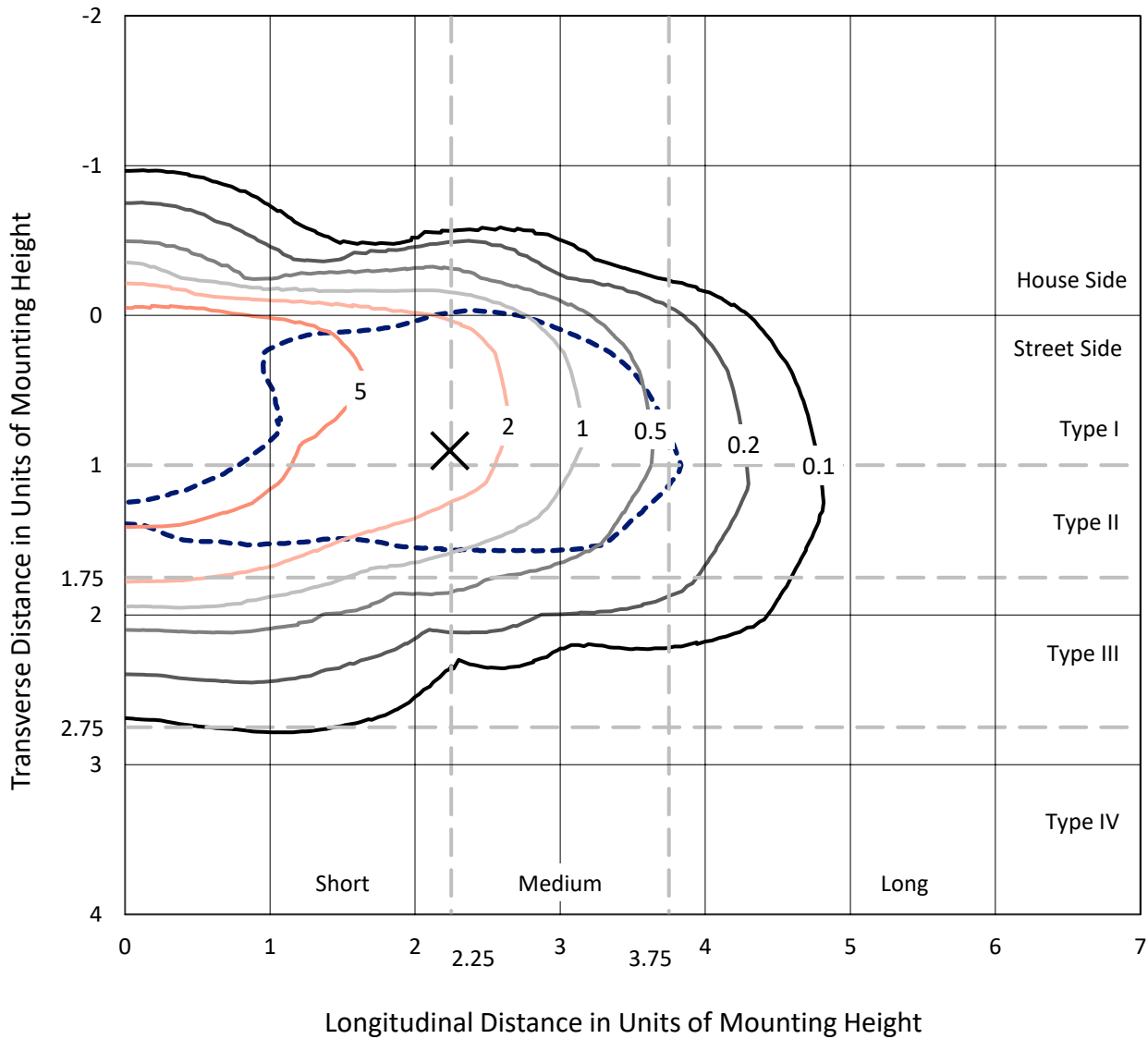
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

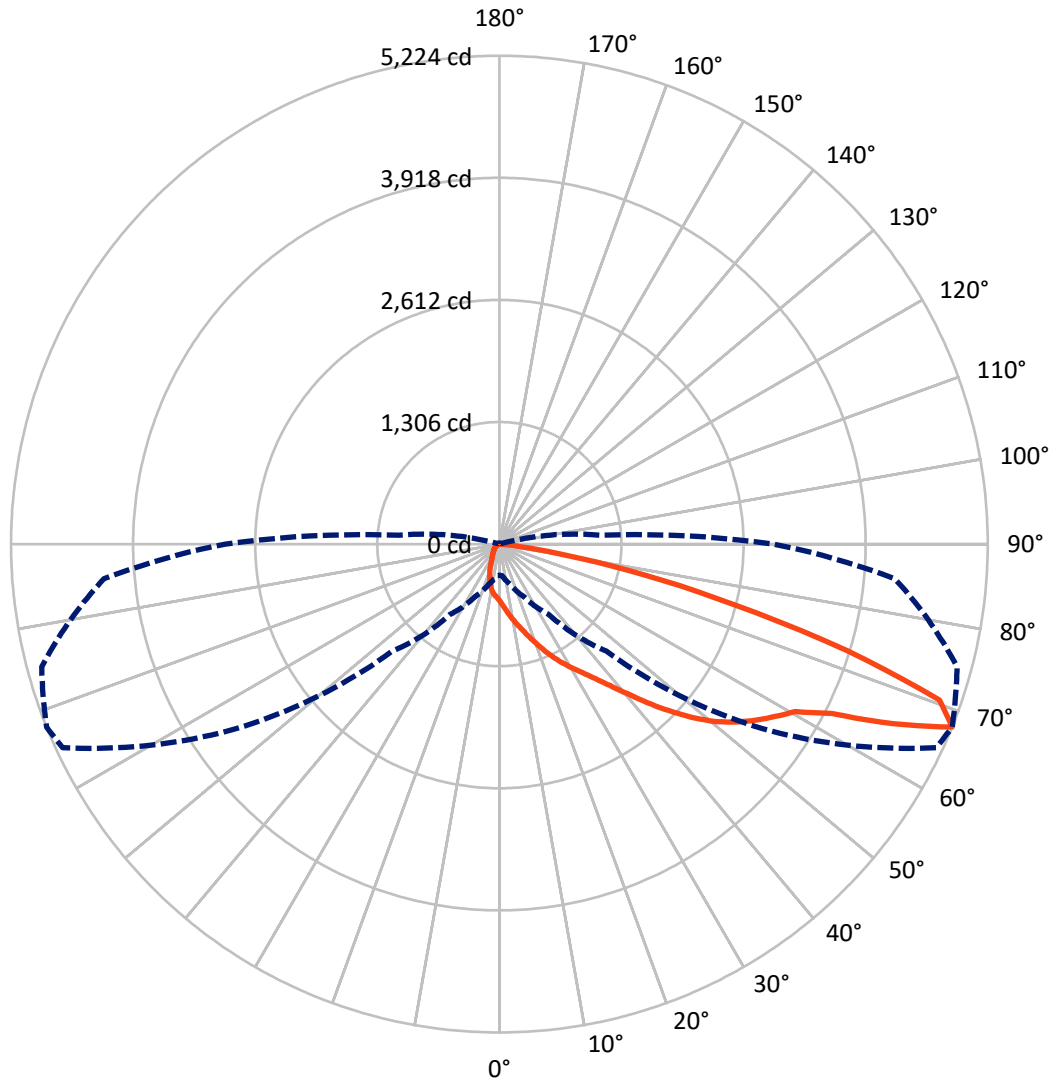
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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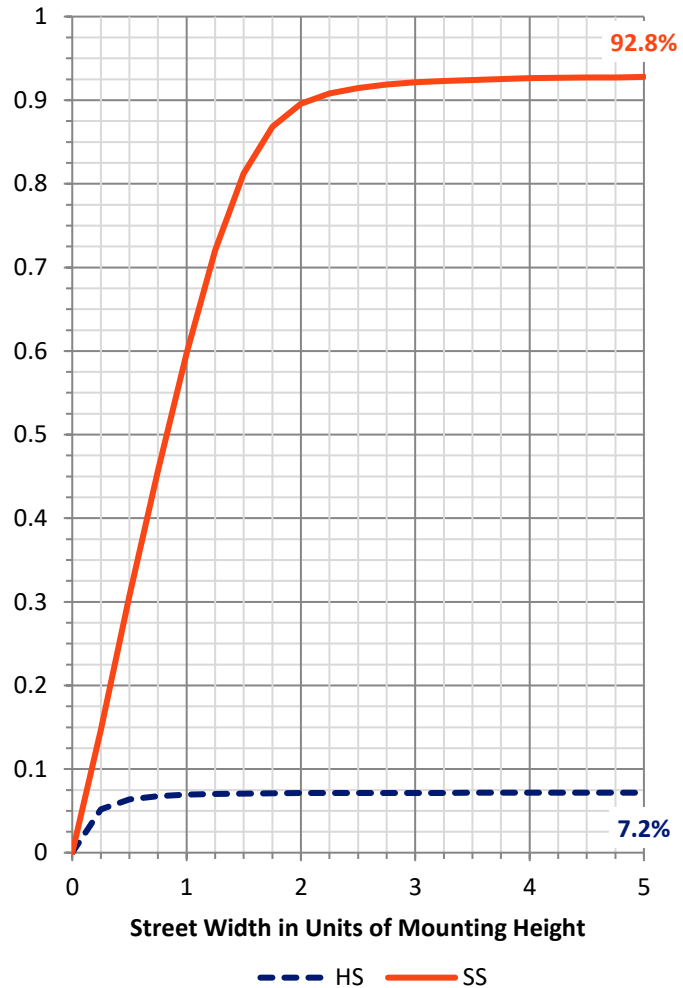
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	376.6	0.0	376.6
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	4838.8	0.0	4838.8
	% Fixture	92.8	0.0	92.8
Total	Lumens	5215.4	0.0	5215.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	1.1
10°-20°	170.0	3.3
20°-30°	292.1	5.6
30°-40°	507.9	9.7
40°-50°	886.2	17.0
50°-60°	1336.7	25.6
60°-70°	1340.3	25.7
70°-80°	591.4	11.3
80°-90°	31.6	0.6
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°	5215.4	100.0
0°-180°	5215.4	100.0

Coefficient of Utilization

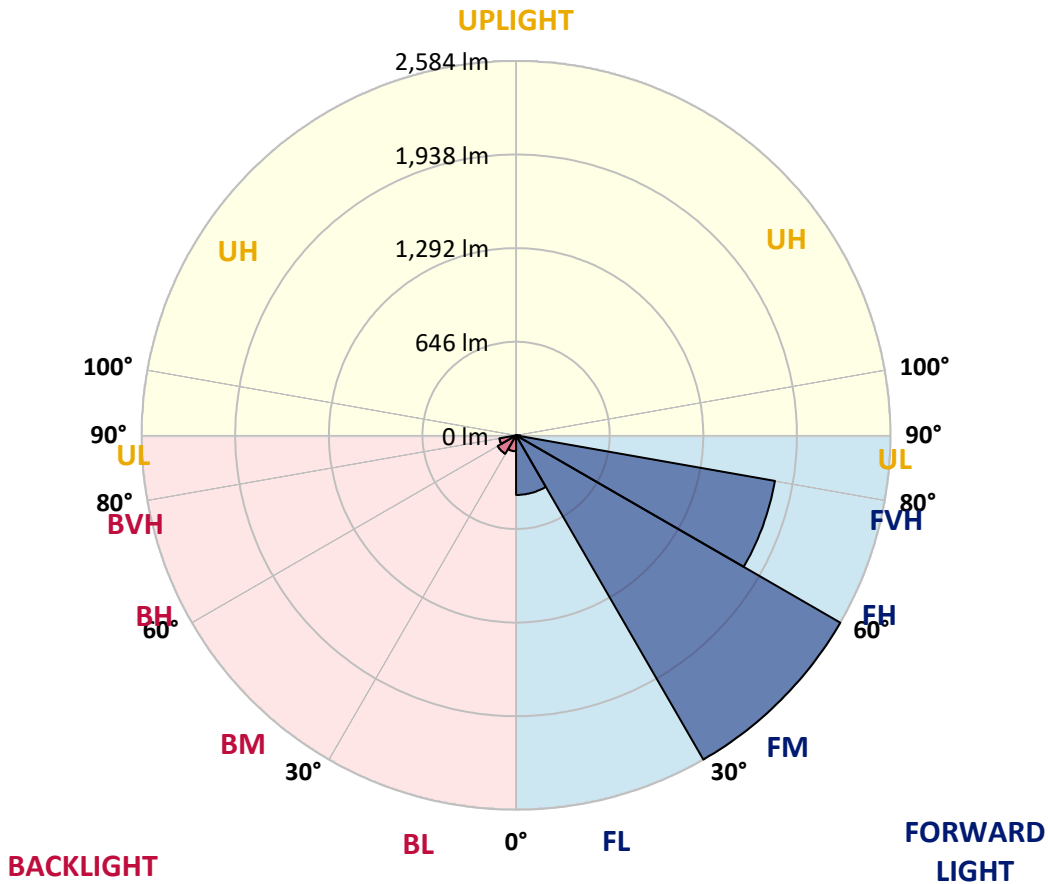


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.1	7.9			
FM (30°-60°)	2583.7	49.5			
FH (60°-80°)	1814.2	34.8			G2/5000
FVH (80°-90°)	29.8	0.6			G1/100
BL (0°-30°)	110.2	2.1	B1/500		
BM (30°-60°)	147.1	2.8	B0/220		
BH (60°-80°)	117.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9
2.5°	706.8	711.3	706.8	707.8	694.8	688.8	675.8	657.9	653.4	641.9	624.4
5°	793.1	797.1	792.6	791.6	776.6	765.7	744.2	713.3	704.3	681.8	647.4
7.5°	840.0	842.5	844.0	846.5	841.0	832.0	812.6	774.1	764.7	728.2	679.8
10°	845.0	847.0	854.5	869.5	880.5	886.0	875.0	839.5	824.6	789.1	719.7
12.5°	831.0	834.0	846.0	871.0	901.4	929.4	936.4	905.4	891.9	846.5	766.7
15°	812.6	815.1	831.5	865.5	911.4	962.8	991.8	978.3	963.3	915.9	818.6
17.5°	784.1	787.6	810.6	856.5	915.9	989.3	1051.7	1056.2	1045.7	994.3	876.0
20°	768.2	770.7	791.1	838.5	912.9	1008.7	1107.6	1150.0	1138.5	1084.6	941.9
22.5°	781.6	783.6	797.1	834.0	902.9	1019.7	1159.5	1243.8	1237.3	1181.4	1011.2
25°	852.5	859.0	851.0	857.5	907.4	1025.7	1201.4	1337.7	1339.2	1282.8	1083.1
27.5°	996.3	987.8	968.8	936.4	942.4	1041.7	1237.3	1426.0	1439.0	1381.6	1147.0
30°	1142.5	1137.5	1126.0	1075.6	1033.7	1077.1	1267.8	1516.4	1536.8	1478.9	1203.9
32.5°	1306.7	1311.7	1291.2	1230.9	1159.5	1149.0	1299.2	1602.2	1640.6	1589.2	1270.8
35°	1502.9	1504.4	1463.9	1397.1	1316.2	1267.8	1355.6	1697.0	1767.9	1730.0	1360.1
37.5°	1694.0	1703.0	1681.1	1575.7	1503.9	1415.5	1449.0	1818.8	1918.6	1903.7	1472.4
40°	1863.2	1877.2	1870.2	1768.4	1674.1	1599.7	1593.7	1961.6	2100.8	2117.8	1620.7
42.5°	1998.0	2007.0	2012.5	1940.1	1856.8	1814.8	1772.4	2127.3	2316.0	2385.3	1802.4
45°	2140.3	2143.3	2154.7	2105.8	2032.9	2036.4	1983.5	2328.4	2542.6	2681.8	2011.0
47.5°	2321.4	2331.4	2325.9	2274.5	2208.6	2248.1	2201.7	2535.6	2766.2	2998.3	2224.6
50°	2542.1	2552.5	2547.6	2487.7	2414.3	2430.8	2401.8	2736.7	2981.8	3296.7	2402.3
52.5°	2655.9	2664.3	2726.2	2753.2	2714.8	2609.9	2572.5	2957.8	3164.0	3542.3	2565.5
55°	2601.0	2606.9	2741.7	2855.5	2996.3	2891.4	2744.2	3128.5	3324.7	3734.0	2686.8
57.5°	2373.4	2405.8	2589.0	2781.6	3077.6	3169.5	3022.7	3314.2	3479.4	3867.2	2806.1
60°	1906.7	1905.2	2167.7	2513.6	2918.9	3245.8	3416.0	3565.3	3634.7	3969.6	2965.8
62.5°	1053.7	1063.1	1412.5	1868.2	2477.7	3048.2	3711.0	3999.0	3988.5	4148.3	3215.9
65°	524.6	543.6	733.2	1070.1	1648.6	2519.1	3761.9	4660.9	4630.9	4569.0	3732.5
67.5°	332.9	340.4	445.2	621.9	916.4	1619.2	3445.0	5154.5	5223.9	5068.1	4245.1
70°	215.6	228.1	309.5	425.3	553.0	834.5	2523.6	4834.6	4993.8	5013.2	3925.6
72.5°	117.3	126.3	197.7	303.5	399.3	417.3	1417.5	3628.2	3884.2	4252.6	3071.1
75°	66.9	73.4	108.3	206.1	293.0	254.1	628.4	2428.8	2592.0	3039.2	2200.7
77.5°	40.4	45.9	60.9	100.3	183.7	169.7	237.6	1478.4	1582.2	1813.3	1155.0
80°	18.5	22.0	38.4	55.4	100.3	80.4	90.8	689.3	711.8	744.2	382.3
82.5°	8.5	10.0	17.5	32.9	56.9	46.4	34.9	159.2	224.1	212.1	97.3
85°	1.0	1.0	6.5	13.5	16.0	12.0	14.5	35.9	45.4	63.9	28.0
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	3.0	4.5	6.5	10.5	7.0
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°	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9
2.5°	616.4	602.4	590.0	571.5	559.0	545.0	535.6	524.1	519.6	516.1	511.1
5°	630.4	607.9	577.5	543.6	515.6	489.1	464.7	448.7	434.7	432.7	425.8
7.5°	653.4	619.9	568.5	513.1	465.7	421.8	387.3	359.4	345.4	340.9	332.9
10°	683.8	637.9	555.0	470.2	401.8	349.4	310.5	279.0	257.1	249.1	243.1
12.5°	717.7	654.4	533.6	417.3	339.4	279.5	230.1	196.7	182.7	177.7	173.2
15°	756.7	669.8	499.6	364.4	278.5	205.6	170.7	156.2	150.2	148.7	147.2
17.5°	794.1	679.8	459.2	309.5	214.1	159.7	143.2	137.8	136.3	134.8	133.8
20°	836.5	686.8	411.8	257.6	166.2	135.3	127.3	123.3	120.3	117.3	116.8
22.5°	880.0	686.8	360.4	206.6	139.3	121.3	112.3	104.8	99.3	96.3	95.3
25°	921.4	677.3	309.5	165.2	122.8	107.8	96.3	87.8	80.4	76.9	75.9
27.5°	950.8	652.9	265.0	139.8	111.3	95.8	81.9	72.4	66.4	62.9	62.4
30°	969.3	616.4	224.1	124.8	101.3	83.4	69.4	61.4	56.9	54.4	53.4
32.5°	983.3	571.5	187.7	114.3	91.8	72.4	60.4	53.9	49.9	47.9	47.4
35°	1011.2	529.1	160.7	104.8	81.9	63.4	52.9	47.9	44.9	42.4	41.9
37.5°	1050.2	493.6	139.3	96.3	72.4	56.4	47.9	43.4	40.9	38.4	37.9
40°	1107.6	471.2	123.3	87.8	63.9	50.9	43.9	39.9	36.4	33.9	33.4
42.5°	1195.9	460.7	112.8	79.4	56.4	45.9	40.4	35.4	31.9	29.4	28.9
45°	1301.2	466.2	103.8	70.9	51.4	42.4	35.9	30.9	27.5	25.0	24.5
47.5°	1414.0	485.7	96.3	62.9	46.4	38.9	31.9	26.5	23.5	21.0	20.5
50°	1531.8	517.6	89.8	55.4	42.4	34.9	27.5	23.0	20.0	18.0	17.5
52.5°	1634.1	561.0	83.4	49.9	38.9	30.9	24.0	20.0	17.0	15.0	14.5
55°	1732.0	601.9	78.4	44.9	34.9	27.0	21.0	17.0	14.5	12.5	12.0
57.5°	1838.3	645.4	72.4	40.4	31.4	24.0	18.5	14.5	12.5	10.5	10.0
60°	1993.0	709.8	63.4	36.9	27.5	21.0	16.0	13.0	11.0	8.5	8.0
62.5°	2216.1	827.1	53.4	31.9	23.5	18.0	13.5	11.0	9.0	7.0	6.0
65°	2633.4	1026.7	43.9	26.5	19.0	15.0	11.5	9.0	7.0	5.0	4.5
67.5°	2933.9	1078.6	35.4	21.5	15.5	11.5	9.5	7.0	5.0	3.5	3.0
70°	2565.0	774.6	27.5	17.5	13.0	9.0	7.5	5.5	3.5	2.5	2.0
72.5°	1932.6	506.1	20.5	13.5	10.0	7.5	5.5	4.5	3.0	2.0	1.5
75°	1362.1	292.5	15.0	10.0	7.0	5.5	4.5	3.5	2.5	1.5	1.5
77.5°	698.3	120.8	10.5	7.0	5.0	3.5	3.0	2.0	2.0	1.5	1.0
80°	212.1	39.9	6.0	4.5	3.5	2.5	1.5	1.5	1.5	1.0	0.5
82.5°	48.4	13.0	3.5	3.5	2.5	2.0	1.5	0.5	0.5	0.0	0.0
85°	12.5	4.0	3.0	2.5	2.5	2.0	1.0	0.5	0.0	0.0	0.0
87.5°	4.5	2.5	2.5	2.5	2.0	1.5	1.0	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)