

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: P631792

Luminaire Tested: GWS-SA2B-735-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-735-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5328.4 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

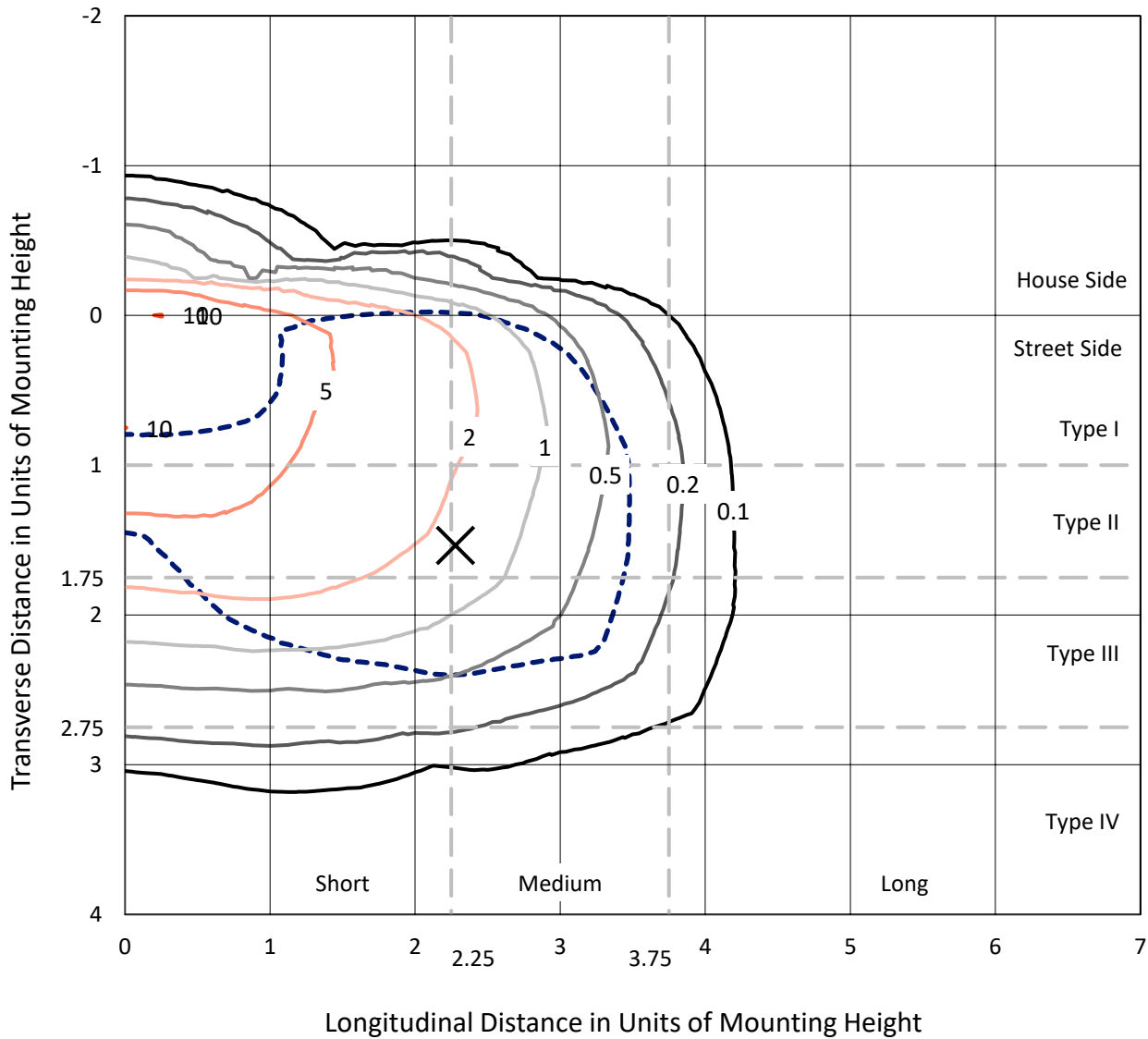
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631792
 CATALOG NUMBER: GWS-SA2B-735-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

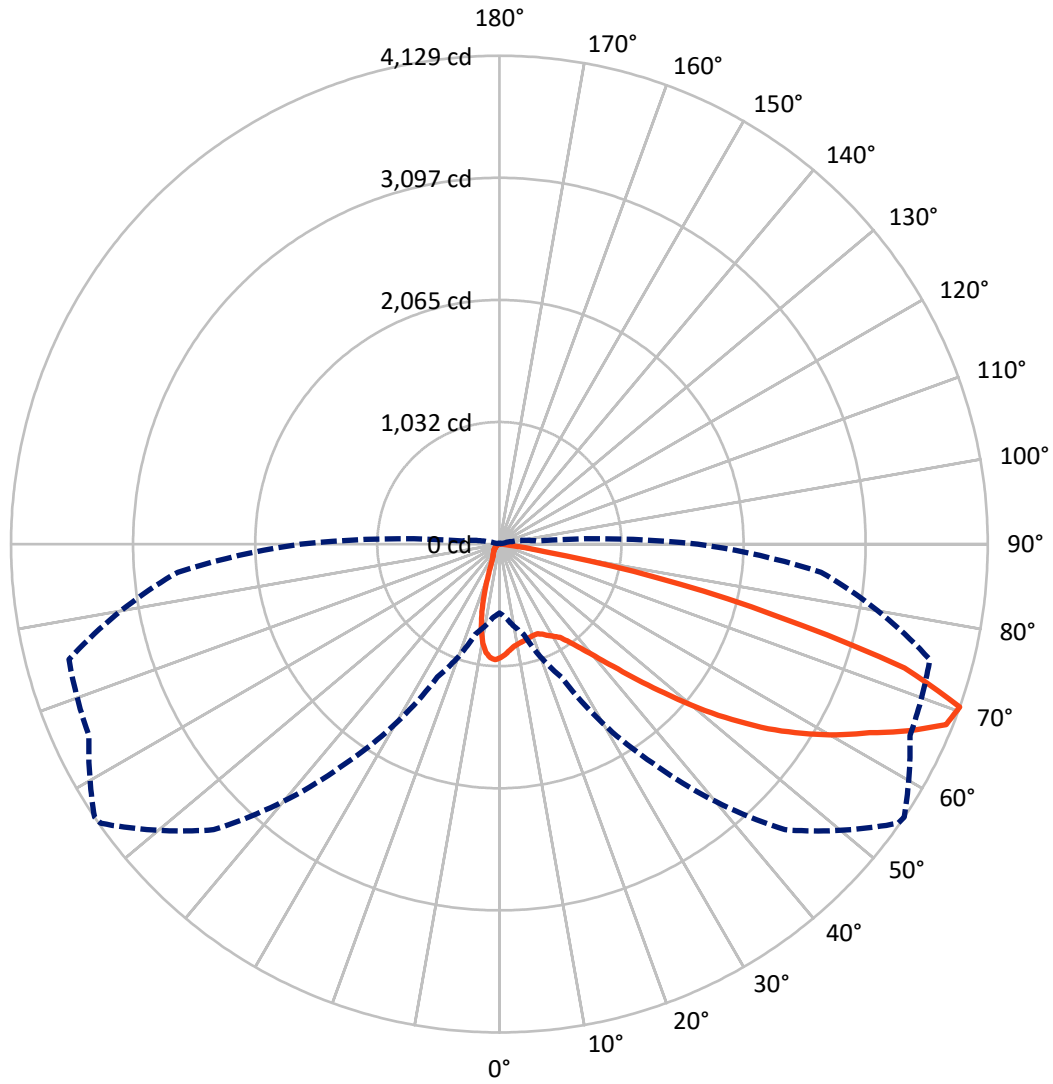
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P631792
CATALOG NUMBER: GWS-SA2B-735-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P631792
 CATALOG NUMBER: GWS-SA2B-735-U-T3R-W-HSS

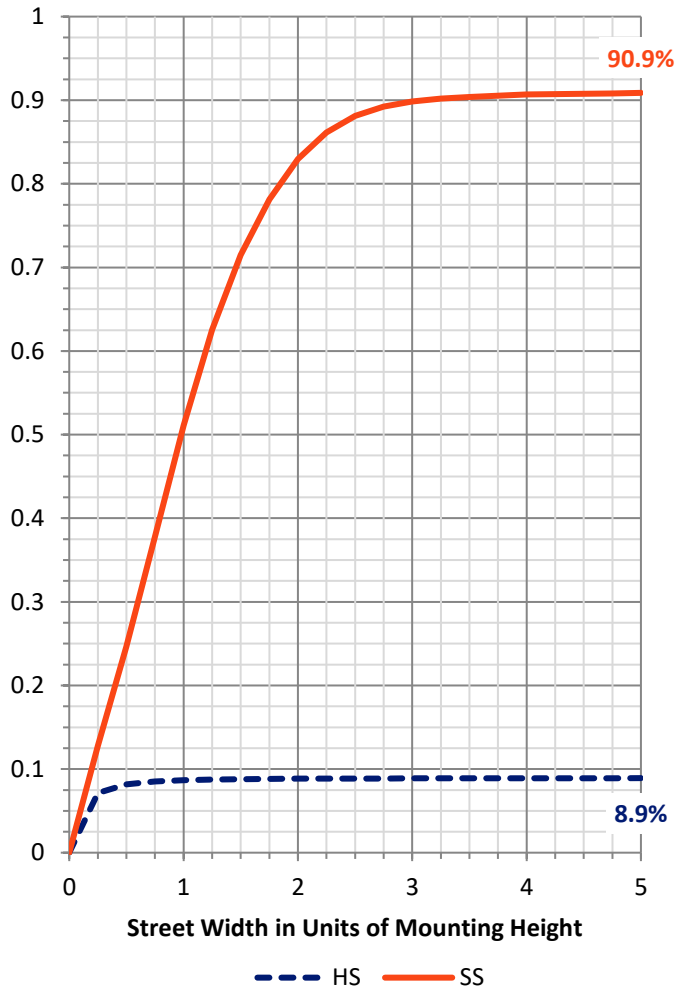
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	478.6	0.0	478.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4849.8	0.0	4849.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	5328.4	0.0	5328.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.5
10°-20°	185.5	3.5
20°-30°	293.9	5.5
30°-40°	506.8	9.5
40°-50°	855.8	16.1
50°-60°	1257.5	23.6
60°-70°	1490.8	28.0
70°-80°	635.7	11.9
80°-90°	20.0	0.4
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°	5328.4	100.0
0°-180°	5328.4	100.0

Coefficient of Utilization



REPORT NUMBER: P631792

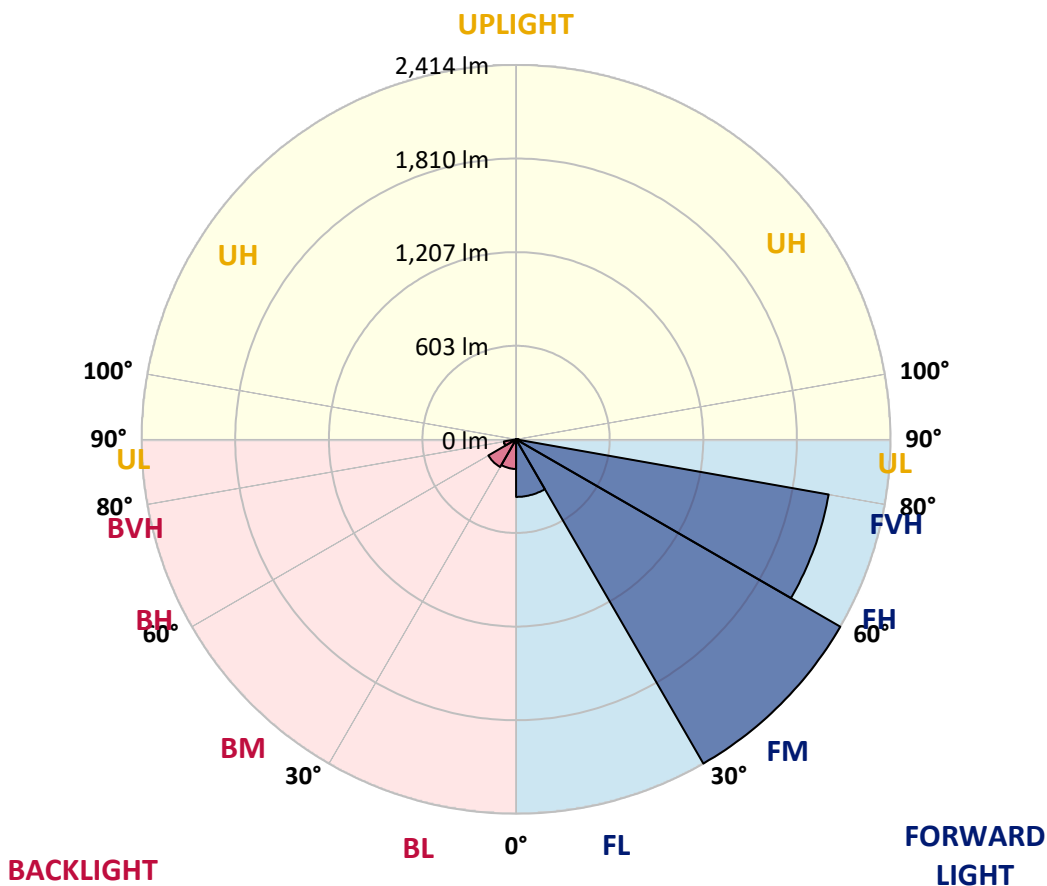
CATALOG NUMBER: GWS-SA2B-735-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.3	7.0			
FM (30°-60°)	2413.9	45.3			
FH (60°-80°)	2046.7	38.4			G2/5000
FVH (80°-90°)	17.9	0.3			G1/100
BL (0°-30°)	190.6	3.6	B1/500		
BM (30°-60°)	206.1	3.9	B0/220		
BH (60°-80°)	79.8	1.5	B0/110		G0/110
BVH (80°-90°)	2.0	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 III Medium





REPORT NUMBER: P631792

CATALOG NUMBER: GWS-SA2B-735-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8
2.5°	894.4	892.9	893.9	901.2	914.9	921.2	932.0	933.9	942.7	953.9	958.3
5°	836.3	831.5	833.9	844.1	859.8	877.3	897.3	902.7	924.7	949.5	968.1
7.5°	783.2	777.8	783.6	799.7	821.7	840.7	870.5	873.9	909.0	953.0	986.6
10°	699.7	701.2	712.9	741.2	774.9	814.4	854.4	859.3	902.7	964.2	1016.4
12.5°	635.8	632.4	645.1	677.3	724.6	782.2	842.2	848.5	903.2	981.3	1054.4
15°	606.0	605.1	610.4	633.8	679.7	747.5	831.0	839.3	909.5	996.9	1090.6
17.5°	607.0	605.5	605.1	618.7	652.9	721.7	818.8	829.5	914.9	1014.0	1128.6
20°	649.5	642.6	630.4	624.1	644.6	705.1	810.5	822.7	922.7	1032.0	1169.1
22.5°	738.3	740.7	708.0	673.9	664.1	707.0	809.5	823.7	939.8	1060.3	1218.9
25°	915.9	912.0	851.5	774.9	721.7	729.5	826.6	843.7	973.5	1100.8	1265.7
27.5°	1138.4	1141.8	1058.8	936.9	825.6	775.8	857.8	874.9	1012.5	1126.2	1297.0
30°	1380.9	1377.5	1288.7	1153.5	973.0	852.9	889.0	904.2	1032.0	1139.8	1329.2
32.5°	1610.2	1602.4	1514.6	1373.1	1160.8	974.4	932.0	940.8	1057.9	1169.6	1372.6
35°	1805.9	1805.4	1728.8	1578.0	1354.0	1126.7	1005.7	1013.0	1106.2	1216.9	1436.5
37.5°	2007.9	2001.1	1915.2	1777.6	1552.6	1293.5	1118.4	1115.4	1182.3	1286.7	1515.1
40°	2173.8	2169.4	2103.5	1971.3	1759.0	1478.0	1255.0	1246.2	1272.6	1383.3	1624.4
42.5°	2296.8	2297.2	2276.8	2196.2	1977.6	1691.2	1426.8	1413.1	1412.6	1529.2	1768.8
45°	2390.0	2396.3	2427.0	2414.8	2235.8	1939.6	1646.8	1632.7	1608.8	1718.5	1934.2
47.5°	2433.4	2441.7	2534.4	2583.2	2461.7	2186.0	1908.8	1879.1	1832.2	1970.3	2119.1
50°	2429.0	2443.6	2572.9	2721.3	2666.6	2435.8	2194.3	2180.1	2103.5	2236.7	2302.1
52.5°	2329.5	2360.7	2575.4	2805.2	2824.2	2666.1	2489.5	2463.1	2426.1	2514.9	2473.9
55°	2059.1	2097.2	2472.4	2832.0	2947.2	2867.2	2778.4	2756.9	2695.4	2777.4	2623.7
57.5°	1912.3	1944.9	2255.8	2818.9	3051.6	3053.1	3035.5	3017.9	2967.2	3037.0	2799.3
60°	1823.9	1856.6	2140.1	2770.6	3146.3	3249.2	3277.0	3275.1	3201.9	3332.2	3005.3
62.5°	1694.6	1739.5	2019.6	2645.2	3213.6	3442.5	3526.4	3513.2	3431.7	3639.6	3209.2
65°	1433.6	1472.6	1772.7	2438.3	3174.1	3602.5	3796.7	3803.5	3709.4	3928.9	3370.2
67.5°	1005.2	1034.0	1332.1	2004.0	2905.7	3655.2	4073.4	4072.9	3912.3	4077.3	3299.0
70°	582.6	622.1	787.1	1238.9	2260.7	3415.6	4114.8	4129.0	3829.9	3767.4	2730.1
72.5°	225.4	258.1	446.0	658.2	1178.9	2616.4	3539.6	3581.0	3205.3	2906.2	1900.1
75°	67.3	75.1	209.8	350.3	473.3	1263.8	2396.3	2408.0	2198.7	1812.7	973.9
77.5°	50.3	55.6	91.7	177.1	165.9	383.0	1239.9	1354.0	1167.2	647.5	268.4
80°	34.2	40.5	65.4	86.4	61.5	102.0	348.4	382.5	356.2	145.4	67.3
82.5°	15.1	19.5	46.4	43.4	22.4	29.3	107.3	114.2	73.7	43.9	23.4
85°	1.5	2.0	17.6	19.0	8.3	6.8	22.4	22.4	16.1	15.1	9.8
87.5°	0.0	0.0	0.5	1.0	1.0	1.5	2.0	2.4	2.9	3.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631792
 CATALOG NUMBER: GWS-SA2B-735-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8
2.5°	969.5	963.7	971.0	976.9	978.3	967.6	961.3	952.0	950.0	950.5	948.1
5°	982.7	979.8	985.2	978.8	962.2	931.0	904.2	874.4	858.3	849.0	848.0
7.5°	1007.1	1005.7	999.8	971.0	919.3	850.0	783.2	717.8	677.3	662.6	660.2
10°	1043.2	1040.3	1016.4	948.1	837.8	704.6	592.4	498.7	441.6	425.0	404.5
12.5°	1084.7	1078.8	1026.6	898.8	714.8	530.4	390.4	285.4	236.2	221.5	221.5
15°	1124.7	1112.0	1020.8	817.3	563.6	345.0	218.1	164.9	149.8	145.9	145.9
17.5°	1165.7	1141.3	997.8	706.1	389.4	204.0	145.4	135.2	133.2	133.7	134.2
20°	1204.2	1166.2	957.3	572.4	248.4	142.5	130.3	127.8	126.9	127.8	127.4
22.5°	1246.2	1189.1	895.9	426.5	161.5	128.3	123.9	122.0	121.0	122.5	122.5
25°	1287.7	1205.7	814.4	286.9	128.3	119.5	117.1	115.2	114.2	114.7	114.7
27.5°	1309.2	1199.4	707.5	183.0	115.2	110.8	108.3	105.9	104.4	103.9	104.4
30°	1323.8	1179.9	576.8	130.3	104.4	99.1	96.6	94.7	90.8	88.3	89.3
32.5°	1346.7	1160.3	434.8	109.3	95.6	87.3	83.4	78.6	73.2	70.8	70.8
35°	1374.1	1133.5	305.0	98.6	86.4	77.6	70.3	62.0	55.6	53.7	53.7
37.5°	1410.2	1108.1	203.0	91.2	78.6	69.3	59.0	49.3	42.5	41.5	41.0
40°	1464.3	1086.7	143.0	85.9	71.7	60.5	48.3	38.1	33.2	31.7	31.7
42.5°	1534.6	1064.7	113.2	80.5	65.9	52.2	38.5	30.3	26.3	25.4	24.9
45°	1621.4	1038.8	98.6	75.6	60.0	43.4	30.7	25.4	22.4	21.5	21.5
47.5°	1715.6	1003.7	91.7	69.3	53.2	35.1	25.9	22.0	20.5	20.0	19.5
50°	1808.3	956.4	85.9	63.4	45.4	28.8	22.4	20.0	19.0	18.5	18.5
52.5°	1889.3	901.2	78.6	56.6	37.1	24.9	20.0	18.5	17.6	16.6	16.1
55°	1958.6	841.2	69.3	48.8	30.3	22.0	18.5	17.1	16.1	15.1	14.6
57.5°	2047.9	807.1	55.6	39.5	24.9	19.5	17.1	15.6	14.6	13.2	13.2
60°	2147.0	782.2	41.5	31.2	21.5	18.1	15.6	14.2	13.2	11.7	11.7
62.5°	2226.5	745.1	32.7	25.4	18.5	16.1	14.2	12.7	11.7	10.2	10.2
65°	2256.7	668.5	26.8	20.0	15.1	14.2	12.7	11.7	10.2	8.8	8.8
67.5°	2120.1	515.3	22.4	16.1	12.7	12.2	11.2	10.7	8.8	7.8	7.3
70°	1679.0	314.2	18.5	13.2	10.7	10.2	10.2	9.3	7.8	7.3	6.8
72.5°	1150.6	162.0	15.1	10.7	9.3	9.3	8.8	8.3	7.3	6.8	6.8
75°	597.7	54.2	11.7	8.3	7.3	7.8	7.8	7.3	6.8	6.8	6.3
77.5°	171.3	24.4	8.8	6.3	5.9	5.9	6.3	6.3	6.3	5.9	5.9
80°	44.4	14.2	6.3	4.9	4.9	4.9	4.9	5.4	5.9	5.4	5.4
82.5°	18.1	7.8	4.4	3.9	3.9	3.9	3.9	4.4	4.9	4.9	4.9
85°	11.2	3.9	3.4	3.4	3.4	2.9	2.9	3.4	3.4	3.9	3.9
87.5°	6.8	2.9	2.9	2.9	2.9	2.4	2.4	2.4	2.4	2.4	2.4
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)