

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: P634593

Luminaire Tested: GWS-SA3C-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7543.5 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

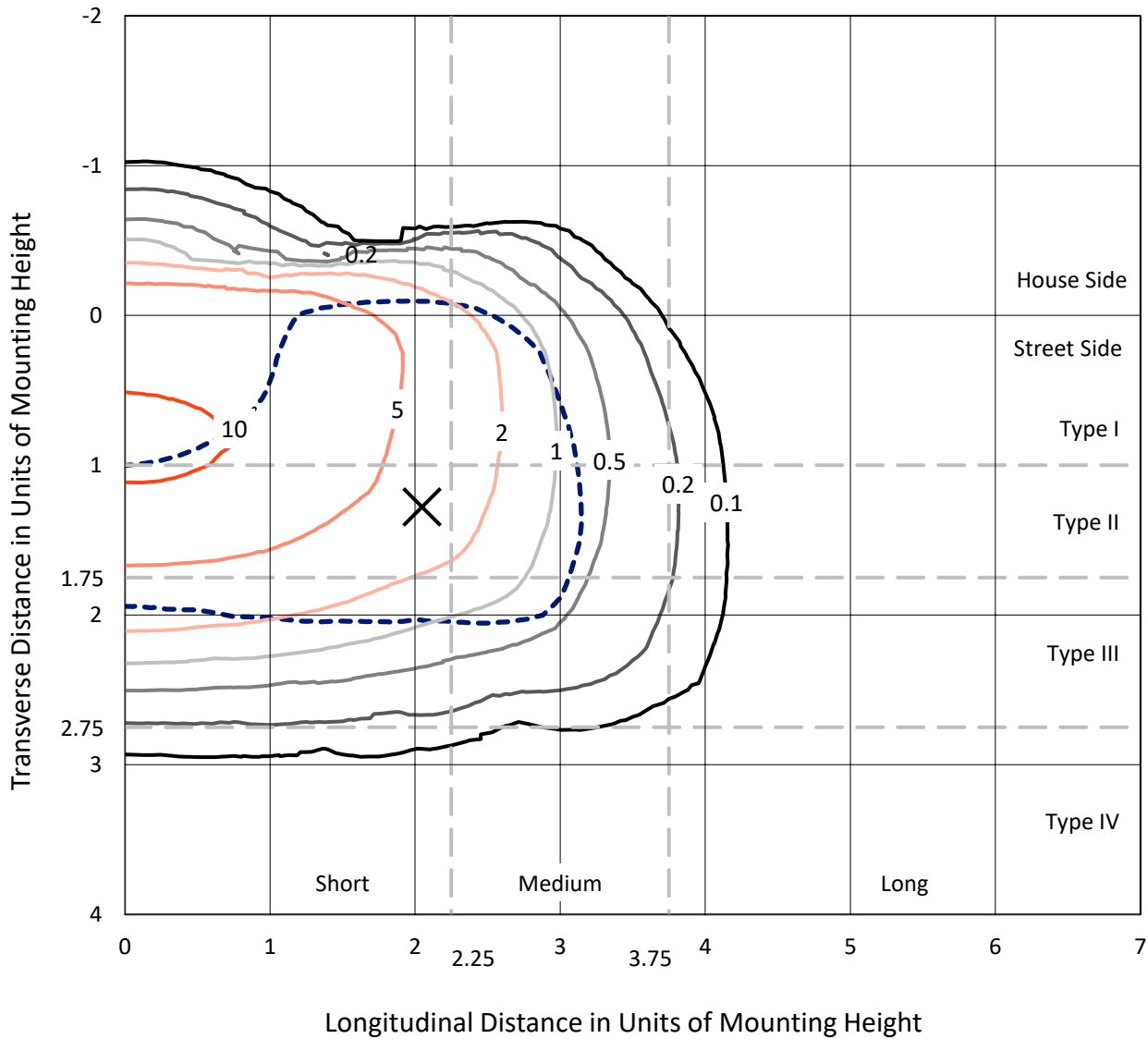
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634593
 CATALOG NUMBER: GWS-SA3C-722-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

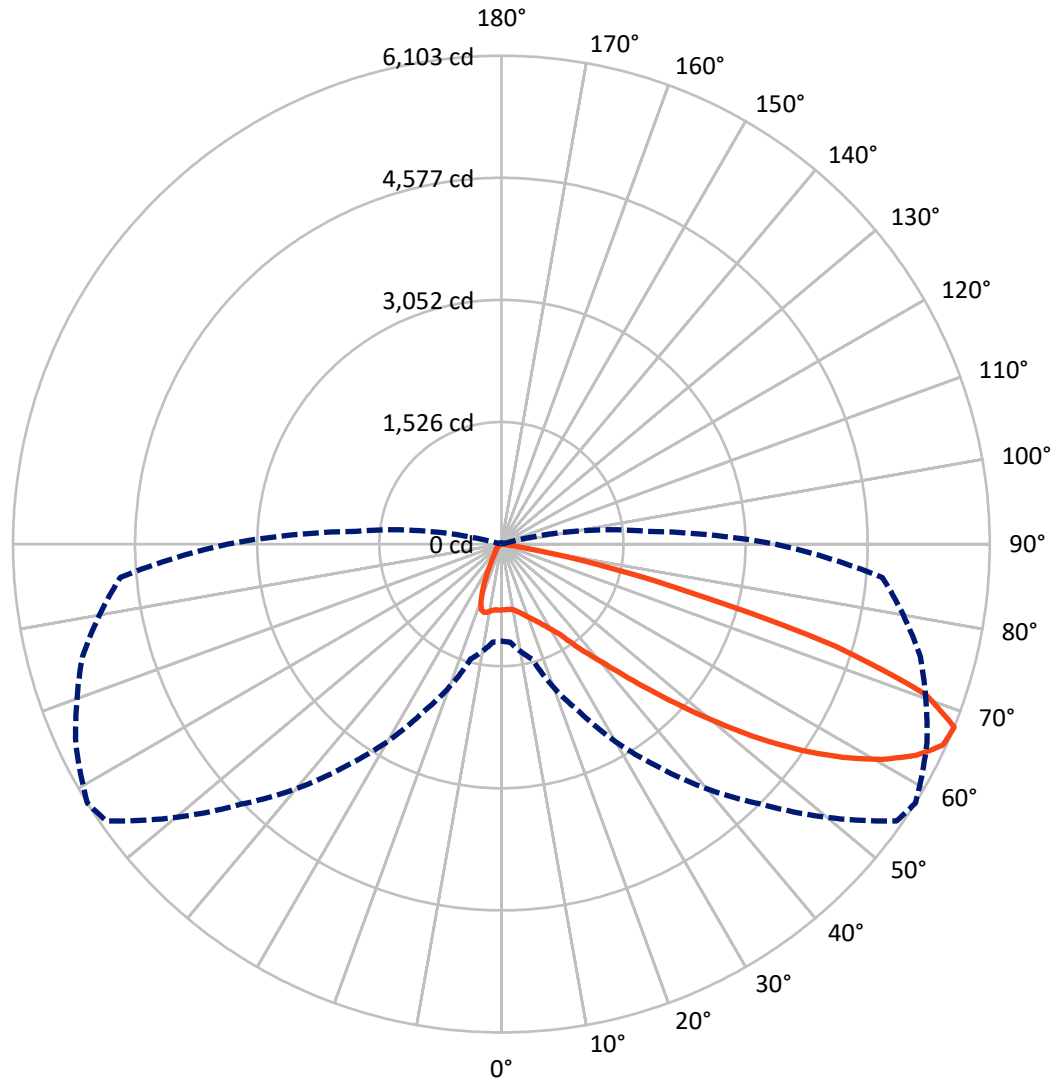
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Short - N/A

REPORT NUMBER: P634593
CATALOG NUMBER: GWS-SA3C-722-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P634593

CATALOG NUMBER: GWS-SA3C-722-U-T3-W-HSS

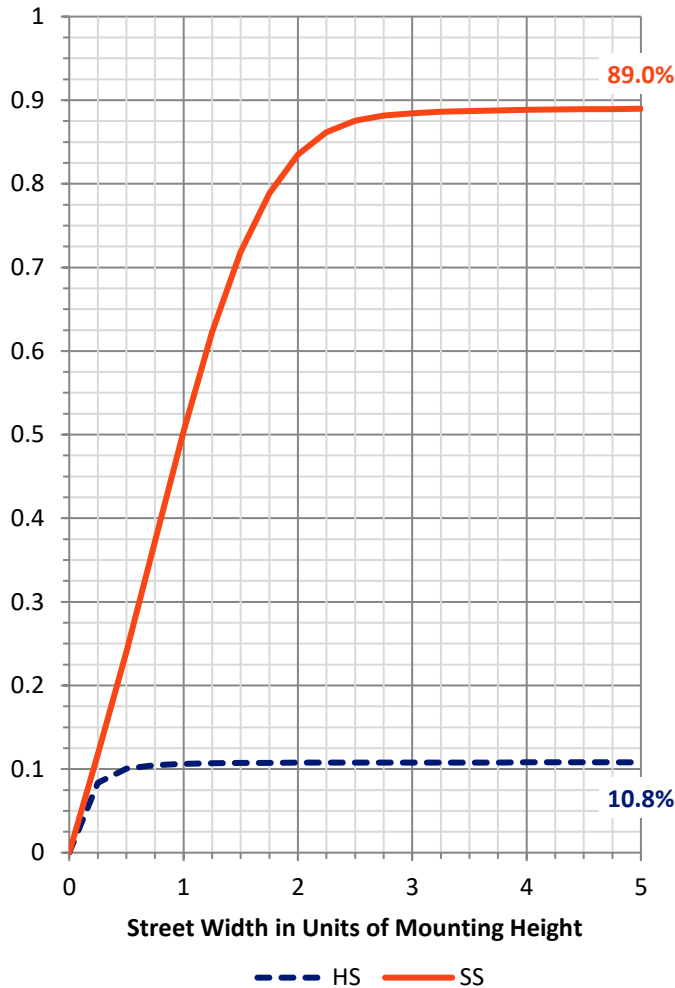
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	823.0	0.0	823.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	6720.5	0.0	6720.5
	% Fixture	89.1	0.0	89.1
Total	Lumens	7543.5	0.0	7543.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.0
10°-20°	216.8	2.9
20°-30°	378.4	5.0
30°-40°	675.9	9.0
40°-50°	1235.3	16.4
50°-60°	2054.5	27.2
60°-70°	2231.5	29.6
70°-80°	655.2	8.7
80°-90°	18.7	0.2
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°	7543.5	100.0
0°-180°	7543.5	100.0

Coefficient of Utilization



REPORT NUMBER: P634593

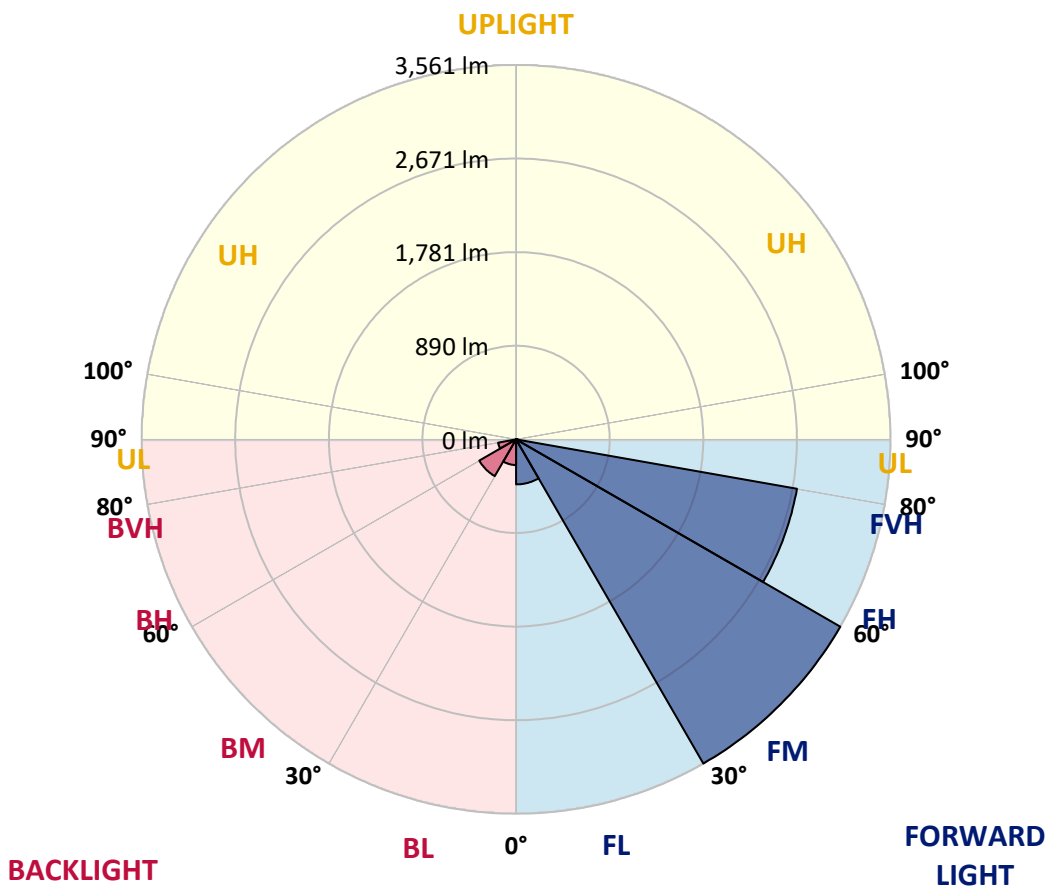
CATALOG NUMBER: GWS-SA3C-722-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.4	5.7			
FM (30°-60°)	3561.4	47.2			
FH (60°-80°)	2713.0	36.0			G2/5000
FVH (80°-90°)	17.7	0.2			G1/100
BL (0°-30°)	244.1	3.2	B1/500		
BM (30°-60°)	404.2	5.4	B1/1000		
BH (60°-80°)	173.7	2.3	B1/500		G1/500
BVH (80°-90°)	0.9	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 Short





REPORT NUMBER: P634593

CATALOG NUMBER: GWS-SA3C-722-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0
2.5°	806.5	805.1	805.1	811.0	811.7	814.7	821.3	822.0	825.7	824.2	819.1
5°	764.6	765.3	769.7	780.0	788.9	799.9	816.1	819.8	827.9	832.3	829.4
7.5°	725.5	726.3	732.9	749.1	766.0	788.1	814.7	822.0	838.2	850.0	850.7
10°	710.8	710.1	716.7	735.1	757.2	788.1	826.4	836.0	860.3	880.9	884.6
12.5°	715.2	714.5	721.1	738.0	762.4	801.4	847.1	860.3	891.3	922.9	929.6
15°	732.9	732.2	736.6	750.6	777.1	817.6	873.6	893.5	932.5	970.8	981.1
17.5°	785.9	782.2	777.8	779.3	794.8	836.7	907.5	931.8	980.4	1026.0	1034.9
20°	880.2	870.6	858.8	843.4	836.0	864.7	946.5	974.5	1033.4	1085.7	1087.2
22.5°	1022.4	1018.7	991.4	946.5	914.8	915.6	992.2	1024.6	1096.8	1154.2	1146.1
25°	1220.5	1218.3	1176.3	1102.7	1020.2	992.2	1050.4	1083.5	1171.9	1233.0	1207.2
27.5°	1466.5	1451.0	1401.7	1302.3	1179.3	1091.6	1124.0	1153.5	1251.4	1308.9	1260.3
30°	1680.9	1681.6	1635.2	1531.3	1392.9	1241.1	1213.9	1239.7	1324.4	1384.8	1325.8
32.5°	1887.1	1893.7	1842.9	1749.4	1597.6	1436.3	1342.8	1347.2	1417.9	1483.5	1412.0
35°	2078.6	2083.8	2048.4	1968.9	1827.4	1640.3	1522.5	1520.3	1558.6	1625.6	1532.1
37.5°	2293.0	2298.1	2263.5	2192.0	2059.5	1873.8	1726.5	1723.6	1739.1	1793.6	1686.8
40°	2521.3	2530.9	2492.6	2432.2	2305.5	2148.6	1963.7	1937.2	1921.7	1985.8	1887.1
42.5°	2752.6	2767.3	2754.0	2693.6	2585.4	2455.7	2271.6	2230.3	2197.2	2277.5	2172.9
45°	3039.8	3057.5	3051.6	3005.2	2921.3	2815.9	2642.1	2594.2	2578.7	2653.1	2528.7
47.5°	3316.1	3335.2	3356.6	3346.3	3286.6	3238.0	3045.0	3017.7	3013.3	3092.9	2899.9
50°	3521.6	3539.2	3621.0	3679.9	3720.4	3710.1	3542.9	3502.4	3495.8	3546.6	3291.7
52.5°	3668.9	3685.8	3798.5	3982.7	4131.4	4212.5	4043.8	4035.0	3998.9	3981.2	3658.6
55°	3783.0	3806.6	3925.2	4203.6	4503.4	4683.1	4577.8	4546.1	4453.3	4351.7	3998.9
57.5°	3805.9	3815.5	3982.7	4358.3	4792.1	5083.1	5083.1	5027.9	4848.9	4708.2	4392.2
60°	3601.1	3630.6	3856.7	4345.8	4915.9	5344.6	5502.2	5463.9	5222.3	5049.2	4770.8
62.5°	3146.6	3179.8	3455.3	4046.0	4792.1	5398.3	5819.7	5813.8	5541.2	5331.3	5084.6
65°	2413.0	2437.3	2677.4	3384.6	4269.2	5191.4	6046.5	6062.7	5793.2	5517.7	5192.8
67.5°	1212.4	1229.3	1488.6	2312.1	3383.8	4595.5	6031.1	6103.2	5869.8	5419.0	4779.6
70°	423.5	440.5	562.7	992.2	2059.5	3509.0	5509.6	5627.4	5419.7	4625.7	3526.0
72.5°	145.1	153.2	233.5	368.3	801.4	2080.1	4189.6	4367.1	3995.2	3105.4	2026.3
75°	82.5	87.7	125.2	199.6	335.9	684.3	2376.9	2485.9	2329.0	1692.6	833.8
77.5°	56.0	60.4	78.1	113.4	185.6	220.2	969.3	1220.5	1064.3	552.4	212.9
80°	33.1	36.1	47.9	67.0	95.0	85.4	207.7	276.2	355.8	165.0	64.1
82.5°	15.5	17.7	30.9	44.2	47.9	36.1	61.1	74.4	100.2	81.0	26.5
85°	0.0	0.0	10.3	18.4	17.7	10.3	16.9	18.4	27.3	40.5	10.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	4.4	8.1	4.4
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: P634593

CATALOG NUMBER: GWS-SA3C-722-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0	822.0
2.5°	825.0	819.8	825.7	822.8	825.7	825.0	819.1	815.4	815.4	808.8	806.5
5°	835.3	830.1	831.6	825.0	823.5	819.8	812.4	809.5	809.5	802.9	800.7
7.5°	858.1	850.0	848.5	835.3	829.4	819.1	805.8	800.7	799.9	793.3	791.1
10°	894.2	884.6	878.0	861.1	844.1	823.5	795.5	771.9	758.7	741.0	739.5
12.5°	938.4	926.6	916.3	890.5	862.5	816.1	733.6	647.4	594.4	552.4	555.4
15°	987.7	976.7	960.5	921.5	864.0	743.2	570.8	438.3	373.4	338.8	337.4
17.5°	1041.5	1025.3	998.8	945.8	817.6	567.9	371.2	262.2	228.3	216.6	213.6
20°	1091.6	1071.7	1038.6	950.9	683.5	384.5	232.0	203.3	197.4	193.7	193.7
22.5°	1144.6	1119.6	1070.2	911.1	508.2	246.0	197.4	190.8	186.4	181.2	180.5
25°	1198.4	1166.0	1099.0	807.3	332.9	193.7	184.9	177.5	169.4	161.3	159.1
27.5°	1244.1	1202.1	1121.1	652.6	213.6	174.6	168.7	156.2	145.1	136.3	134.8
30°	1298.6	1244.8	1130.6	477.3	167.9	153.9	145.1	131.8	118.6	109.7	106.8
32.5°	1371.5	1312.6	1115.9	310.8	148.8	135.5	121.5	106.1	92.8	83.2	81.8
35°	1484.9	1415.0	1048.1	198.1	134.8	117.1	100.2	84.0	72.9	65.6	64.1
37.5°	1623.4	1558.6	936.9	148.8	120.8	101.6	81.8	66.3	58.2	53.0	51.6
40°	1828.9	1738.3	799.2	130.4	106.8	86.2	67.0	54.5	48.6	44.2	42.7
42.5°	2095.6	1950.4	640.8	118.6	93.5	72.2	54.5	44.9	39.8	36.8	36.1
45°	2407.1	2157.4	473.6	106.8	81.0	59.7	44.9	36.8	33.1	30.9	30.2
47.5°	2726.1	2338.6	327.0	94.3	69.2	49.4	37.6	31.7	28.7	25.8	25.0
50°	3066.4	2491.8	223.2	81.8	58.9	40.5	32.4	28.7	25.0	22.8	22.1
52.5°	3316.1	2548.5	155.4	70.7	50.1	34.6	28.7	25.8	22.8	19.9	19.2
55°	3546.6	2547.1	117.9	59.7	42.7	30.2	25.8	22.8	19.9	17.7	16.9
57.5°	3776.4	2527.2	92.8	50.8	36.8	27.3	22.8	19.9	18.4	15.5	14.7
60°	3925.2	2452.1	72.2	42.7	31.7	23.6	19.9	17.7	15.5	13.3	12.5
62.5°	4004.0	2347.5	55.2	33.9	25.8	20.6	17.7	15.5	13.3	11.0	10.3
65°	3897.2	2161.8	43.5	26.5	19.9	17.7	14.7	12.5	10.3	8.1	7.4
67.5°	3423.6	1823.0	33.9	21.4	15.5	13.3	12.5	10.3	7.4	5.9	5.2
70°	2419.6	1248.5	26.5	16.2	11.8	10.3	9.6	8.1	5.9	4.4	3.7
72.5°	1328.0	629.8	19.2	11.8	8.8	8.1	7.4	6.6	5.2	3.7	3.7
75°	511.2	173.1	14.0	8.1	5.9	5.9	5.2	5.2	4.4	2.9	2.9
77.5°	133.3	51.6	8.8	5.2	3.7	3.7	3.7	2.9	2.9	2.2	2.2
80°	42.7	16.9	5.2	3.7	2.9	2.2	2.2	1.5	2.2	1.5	1.5
82.5°	14.0	5.9	2.9	2.9	2.2	1.5	1.5	0.7	0.7	0.0	0.0
85°	5.2	2.9	2.2	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0
87.5°	2.9	1.5	1.5	1.5	1.5	0.7	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)