

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: P634310

Luminaire Tested: GWS-SA3B-740-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634310
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-SA3B-740-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7791.3 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

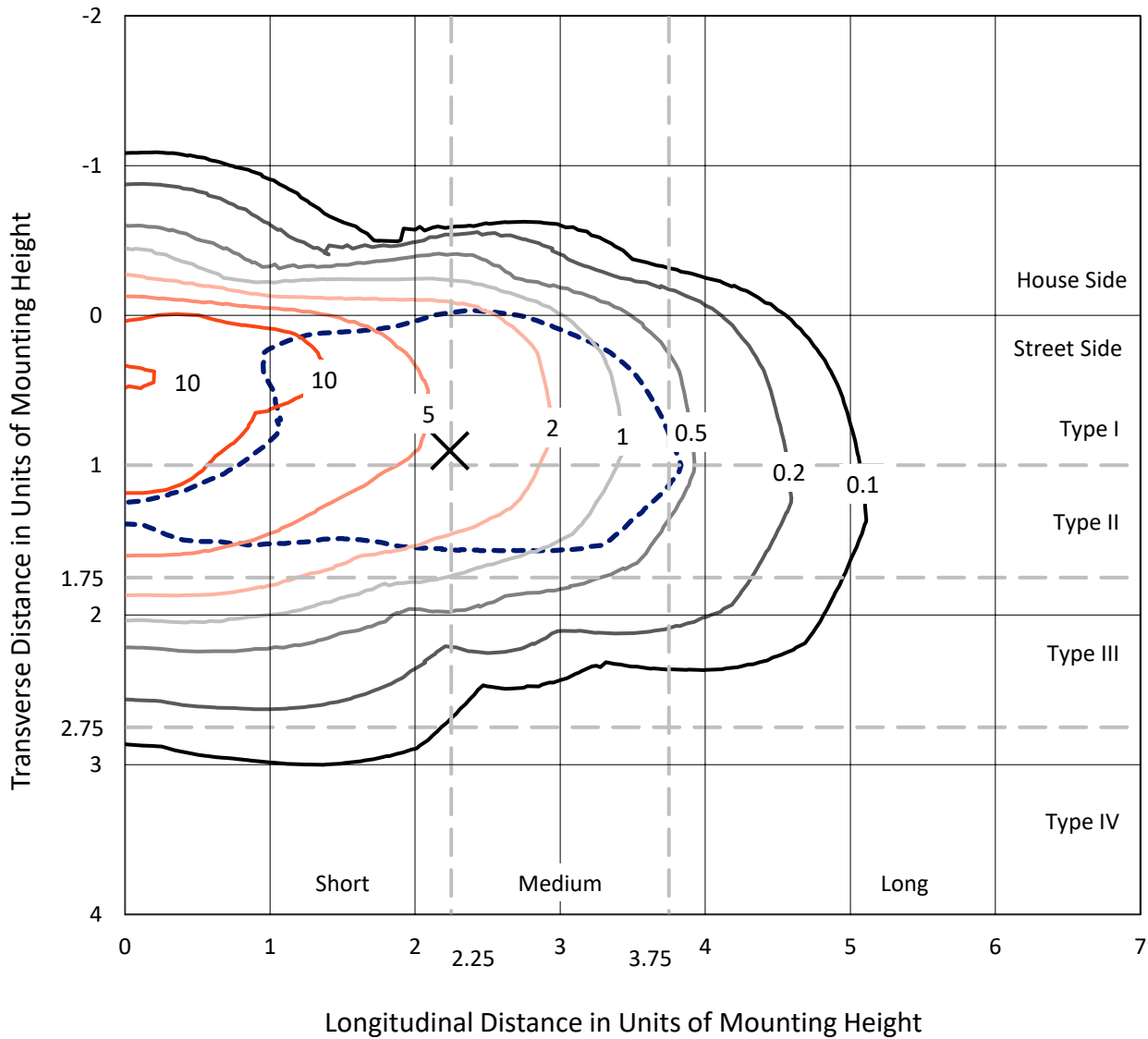
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634310
 CATALOG NUMBER: GWS-SA3B-740-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

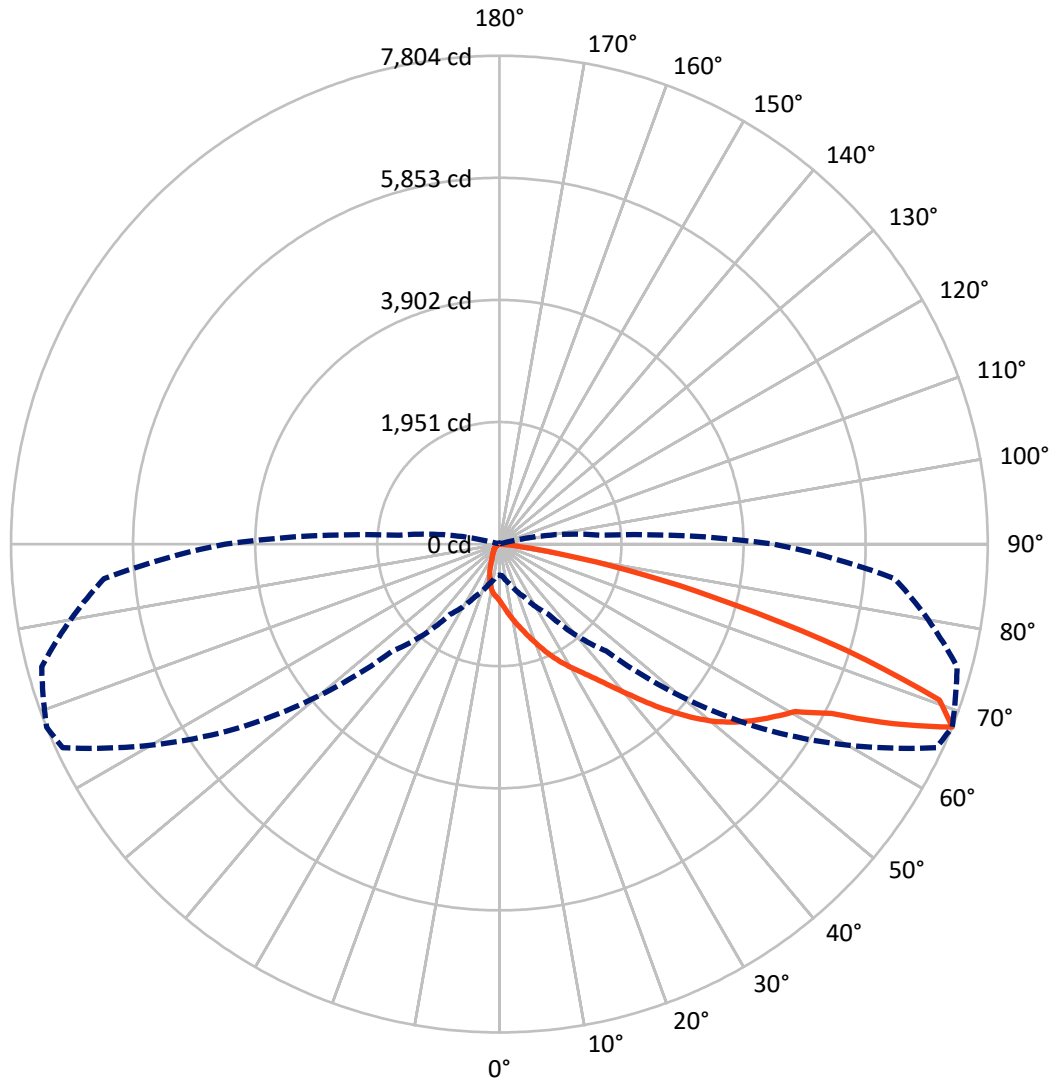
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.6 fc
 Type II - Short - N/A

REPORT NUMBER: P634310
CATALOG NUMBER: GWS-SA3B-740-U-T2-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634310
 CATALOG NUMBER: GWS-SA3B-740-U-T2-W-HSS

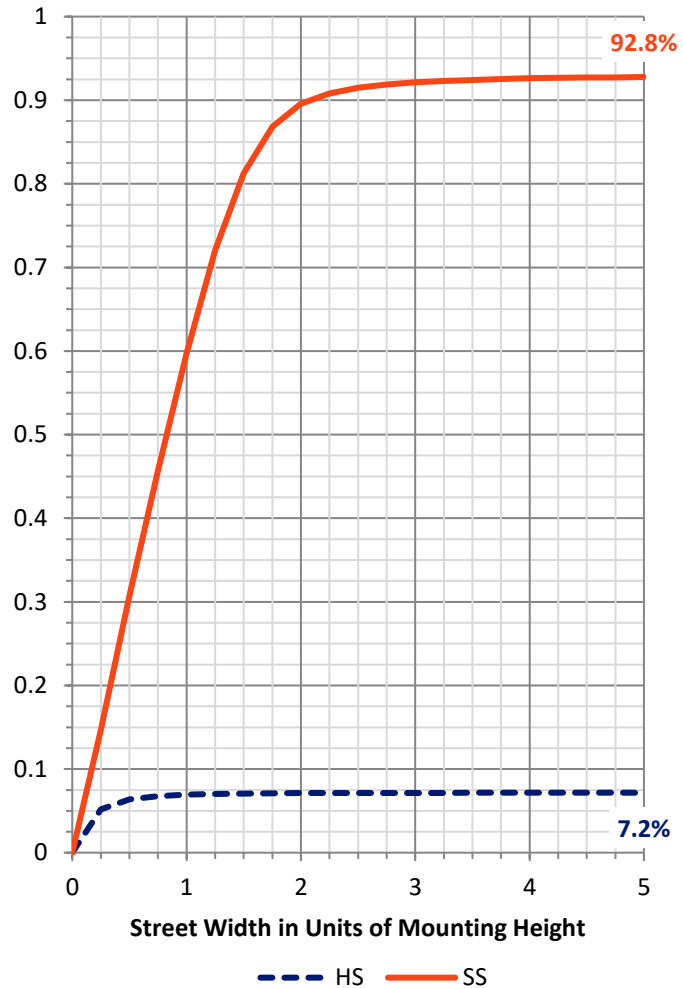
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	562.6	0.0	562.6
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	7228.7	0.0	7228.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	7791.3	0.0	7791.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	1.1
10°-20°	254.0	3.3
20°-30°	436.4	5.6
30°-40°	758.8	9.7
40°-50°	1323.9	17.0
50°-60°	1996.9	25.6
60°-70°	2002.3	25.7
70°-80°	883.4	11.3
80°-90°	47.2	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°	7791.3	100.0
0°-180°	7791.3	100.0

Coefficient of Utilization



REPORT NUMBER: P634310

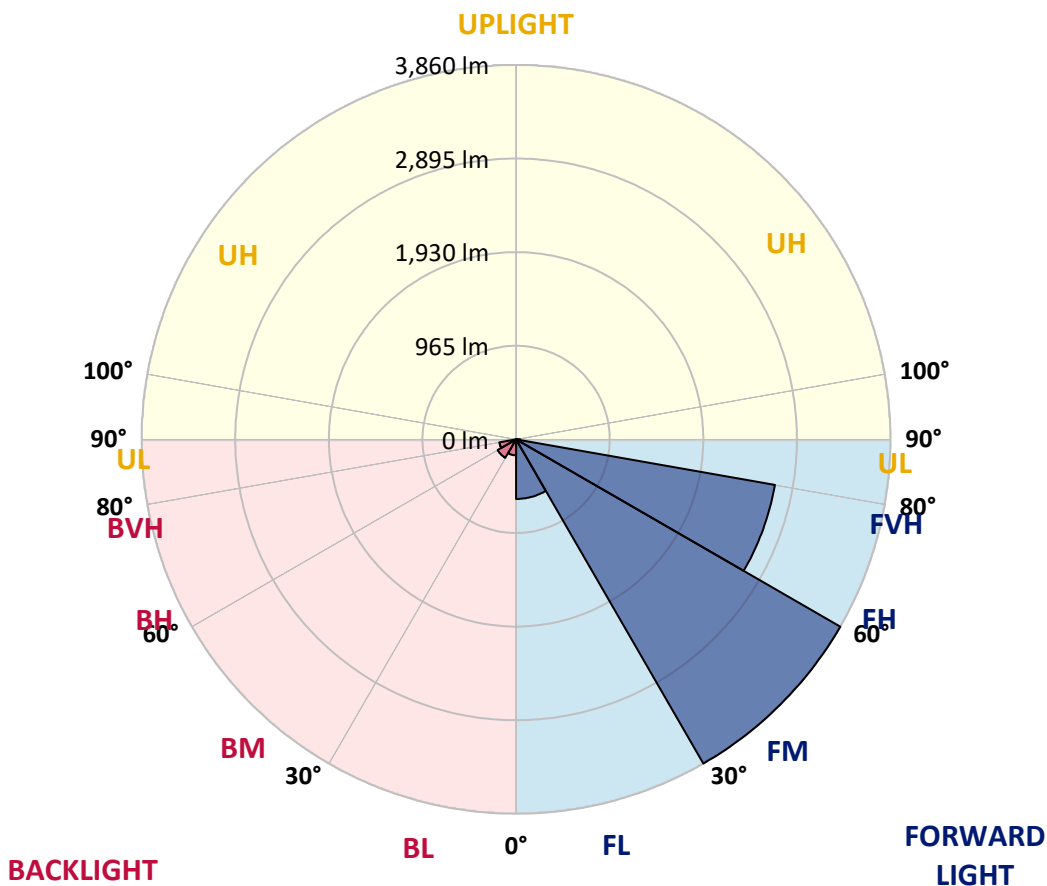
CATALOG NUMBER: GWS-SA3B-740-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.2	7.9			
FM (30°-60°)	3859.8	49.5			
FH (60°-80°)	2710.2	34.8			G2/5000
FVH (80°-90°)	44.5	0.6			G1/100
BL (0°-30°)	164.6	2.1	B1/500		
BM (30°-60°)	219.8	2.8	B0/220		
BH (60°-80°)	175.6	2.3	B1/500		G1/500
BVH (80°-90°)	2.7	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





REPORT NUMBER: P634310

CATALOG NUMBER: GWS-SA3B-740-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7
2.5°	1055.8	1062.5	1055.8	1057.3	1037.9	1029.0	1009.6	982.8	976.1	958.9	932.8
5°	1184.8	1190.8	1184.1	1182.6	1160.2	1143.8	1111.8	1065.5	1052.1	1018.6	967.1
7.5°	1254.9	1258.7	1260.9	1264.6	1256.4	1243.0	1213.9	1156.5	1142.3	1087.9	1015.6
10°	1262.4	1265.4	1276.6	1298.9	1315.3	1323.5	1307.1	1254.2	1231.8	1178.9	1075.2
12.5°	1241.5	1246.0	1263.9	1301.2	1346.6	1388.4	1398.8	1352.6	1332.5	1264.6	1145.3
15°	1213.9	1217.6	1242.3	1293.0	1361.6	1438.4	1481.6	1461.5	1439.1	1368.3	1222.9
17.5°	1171.4	1176.6	1210.9	1279.5	1368.3	1477.9	1571.1	1577.8	1562.1	1485.3	1308.6
20°	1147.6	1151.3	1181.9	1252.7	1363.8	1507.0	1654.6	1718.0	1700.8	1620.3	1407.0
22.5°	1167.7	1170.7	1190.8	1246.0	1348.9	1523.4	1732.1	1858.2	1848.5	1765.0	1510.7
25°	1273.6	1283.3	1271.3	1281.0	1355.6	1532.3	1794.8	1998.3	2000.6	1916.3	1618.1
27.5°	1488.3	1475.6	1447.3	1398.8	1407.8	1556.2	1848.5	2130.3	2149.7	2064.0	1713.5
30°	1706.8	1699.3	1682.2	1606.9	1544.2	1609.1	1893.9	2265.3	2295.9	2209.4	1798.5
32.5°	1952.1	1959.6	1929.0	1838.8	1732.1	1716.5	1940.9	2393.5	2450.9	2374.1	1898.4
35°	2245.1	2247.4	2187.0	2087.1	1966.3	1893.9	2025.2	2535.2	2641.1	2584.4	2031.9
37.5°	2530.7	2544.2	2511.3	2354.0	2246.6	2114.7	2164.6	2717.1	2866.3	2843.9	2199.7
40°	2783.5	2804.4	2793.9	2641.8	2500.9	2389.8	2380.9	2930.4	3138.4	3163.8	2421.1
42.5°	2984.8	2998.3	3006.5	2898.3	2773.8	2711.2	2647.8	3178.0	3459.8	3563.5	2692.5
45°	3197.3	3201.8	3219.0	3145.9	3037.0	3042.2	2963.2	3478.5	3798.3	4006.4	3004.2
47.5°	3468.0	3482.9	3474.7	3397.9	3299.5	3358.4	3289.1	3787.9	4132.4	4479.1	3323.4
50°	3797.6	3813.2	3805.8	3716.3	3606.7	3631.3	3588.1	4088.4	4454.5	4925.0	3588.8
52.5°	3967.6	3980.3	4072.7	4113.0	4055.6	3899.0	3843.1	4418.7	4726.7	5291.9	3832.6
55°	3885.6	3894.5	4095.9	4265.9	4476.1	4319.5	4099.6	4673.7	4966.8	5578.2	4013.8
57.5°	3545.6	3594.0	3867.7	4155.5	4597.7	4734.9	4515.7	4951.1	5197.9	5777.3	4192.0
60°	2848.4	2846.1	3238.4	3755.1	4360.6	4849.0	5103.2	5326.2	5429.8	5930.1	4430.6
62.5°	1574.1	1588.2	2110.2	2791.0	3701.4	4553.7	5543.9	5974.1	5958.5	6197.1	4804.2
65°	783.7	812.0	1095.4	1598.7	2462.9	3763.3	5620.0	6962.9	6918.1	6825.7	5576.0
67.5°	497.3	508.5	665.1	929.1	1369.0	2418.9	5146.5	7700.3	7804.0	7571.3	6341.7
70°	322.1	340.8	462.3	635.3	826.2	1246.7	3770.0	7222.4	7460.2	7489.3	5864.5
72.5°	175.2	188.6	295.3	453.4	596.5	623.4	2117.6	5420.1	5802.6	6352.9	4588.0
75°	99.9	109.6	161.8	308.0	437.7	379.5	938.8	3628.3	3872.2	4540.3	3287.6
77.5°	60.4	68.6	91.0	149.9	274.4	253.5	354.9	2208.6	2363.7	2708.9	1725.4
80°	27.6	32.8	57.4	82.8	149.9	120.0	135.7	1029.7	1063.3	1111.8	571.2
82.5°	12.7	14.9	26.1	49.2	85.0	69.3	52.2	237.9	334.8	316.9	145.4
85°	1.5	1.5	9.7	20.1	23.9	17.9	21.6	53.7	67.9	95.4	41.8
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	4.5	6.7	9.7	15.7	10.4
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: P634310
 CATALOG NUMBER: GWS-SA3B-740-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7	906.7
2.5°	920.9	900.0	881.4	853.8	835.1	814.2	800.1	782.9	776.2	771.0	763.5
5°	941.8	908.2	862.7	812.0	770.3	730.7	694.2	670.3	649.5	646.5	636.0
7.5°	976.1	926.1	849.3	766.5	695.7	630.1	578.6	536.9	516.0	509.3	497.3
10°	1021.5	952.9	829.2	702.4	600.2	522.0	463.8	416.8	384.0	372.1	363.1
12.5°	1072.2	977.5	797.1	623.4	507.0	417.6	343.7	293.8	272.9	265.5	258.7
15°	1130.4	1000.7	746.4	544.3	416.1	307.2	255.0	233.4	224.4	222.2	220.0
17.5°	1186.3	1015.6	686.0	462.3	319.9	238.6	214.0	205.8	203.6	201.3	199.8
20°	1249.7	1026.0	615.2	384.8	248.3	202.1	190.1	184.2	179.7	175.2	174.5
22.5°	1314.6	1026.0	538.4	308.7	208.0	181.2	167.8	156.6	148.4	143.9	142.4
25°	1376.5	1011.8	462.3	246.8	183.4	161.1	143.9	131.2	120.0	114.8	113.3
27.5°	1420.5	975.3	395.9	208.8	166.3	143.2	122.3	108.1	99.2	94.0	93.2
30°	1448.1	920.9	334.8	186.4	151.4	124.5	103.6	91.7	85.0	81.3	79.8
32.5°	1468.9	853.8	280.4	170.8	137.2	108.1	90.2	80.5	74.6	71.6	70.8
35°	1510.7	790.4	240.1	156.6	122.3	94.7	79.0	71.6	67.1	63.4	62.6
37.5°	1568.8	737.4	208.0	143.9	108.1	84.3	71.6	64.9	61.1	57.4	56.7
40°	1654.6	703.9	184.2	131.2	95.4	76.1	65.6	59.7	54.4	50.7	50.0
42.5°	1786.6	688.2	168.5	118.6	84.3	68.6	60.4	52.9	47.7	44.0	43.2
45°	1943.9	696.4	155.1	105.9	76.8	63.4	53.7	46.2	41.0	37.3	36.5
47.5°	2112.4	725.5	143.9	94.0	69.3	58.2	47.7	39.5	35.0	31.3	30.6
50°	2288.4	773.2	134.2	82.8	63.4	52.2	41.0	34.3	29.8	26.8	26.1
52.5°	2441.3	838.1	124.5	74.6	58.2	46.2	35.8	29.8	25.4	22.4	21.6
55°	2587.4	899.3	117.1	67.1	52.2	40.3	31.3	25.4	21.6	18.6	17.9
57.5°	2746.2	964.1	108.1	60.4	47.0	35.8	27.6	21.6	18.6	15.7	14.9
60°	2977.4	1060.3	94.7	55.2	41.0	31.3	23.9	19.4	16.4	12.7	11.9
62.5°	3310.7	1235.5	79.8	47.7	35.0	26.8	20.1	16.4	13.4	10.4	8.9
65°	3934.0	1533.8	65.6	39.5	28.3	22.4	17.1	13.4	10.4	7.5	6.7
67.5°	4382.9	1611.3	52.9	32.1	23.1	17.1	14.2	10.4	7.5	5.2	4.5
70°	3831.9	1157.2	41.0	26.1	19.4	13.4	11.2	8.2	5.2	3.7	3.0
72.5°	2887.2	756.1	30.6	20.1	14.9	11.2	8.2	6.7	4.5	3.0	2.2
75°	2034.9	437.0	22.4	14.9	10.4	8.2	6.7	5.2	3.7	2.2	2.2
77.5°	1043.2	180.4	15.7	10.4	7.5	5.2	4.5	3.0	3.0	2.2	1.5
80°	316.9	59.7	8.9	6.7	5.2	3.7	2.2	2.2	2.2	1.5	0.7
82.5°	72.3	19.4	5.2	5.2	3.7	3.0	2.2	0.7	0.7	0.0	0.0
85°	18.6	6.0	4.5	3.7	3.7	3.0	1.5	0.7	0.0	0.0	0.0
87.5°	6.7	3.7	3.7	3.7	3.0	2.2	1.5	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)