

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: P630963

Luminaire Tested: GWS-SA1E-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630963
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-SA1E-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5612.6 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

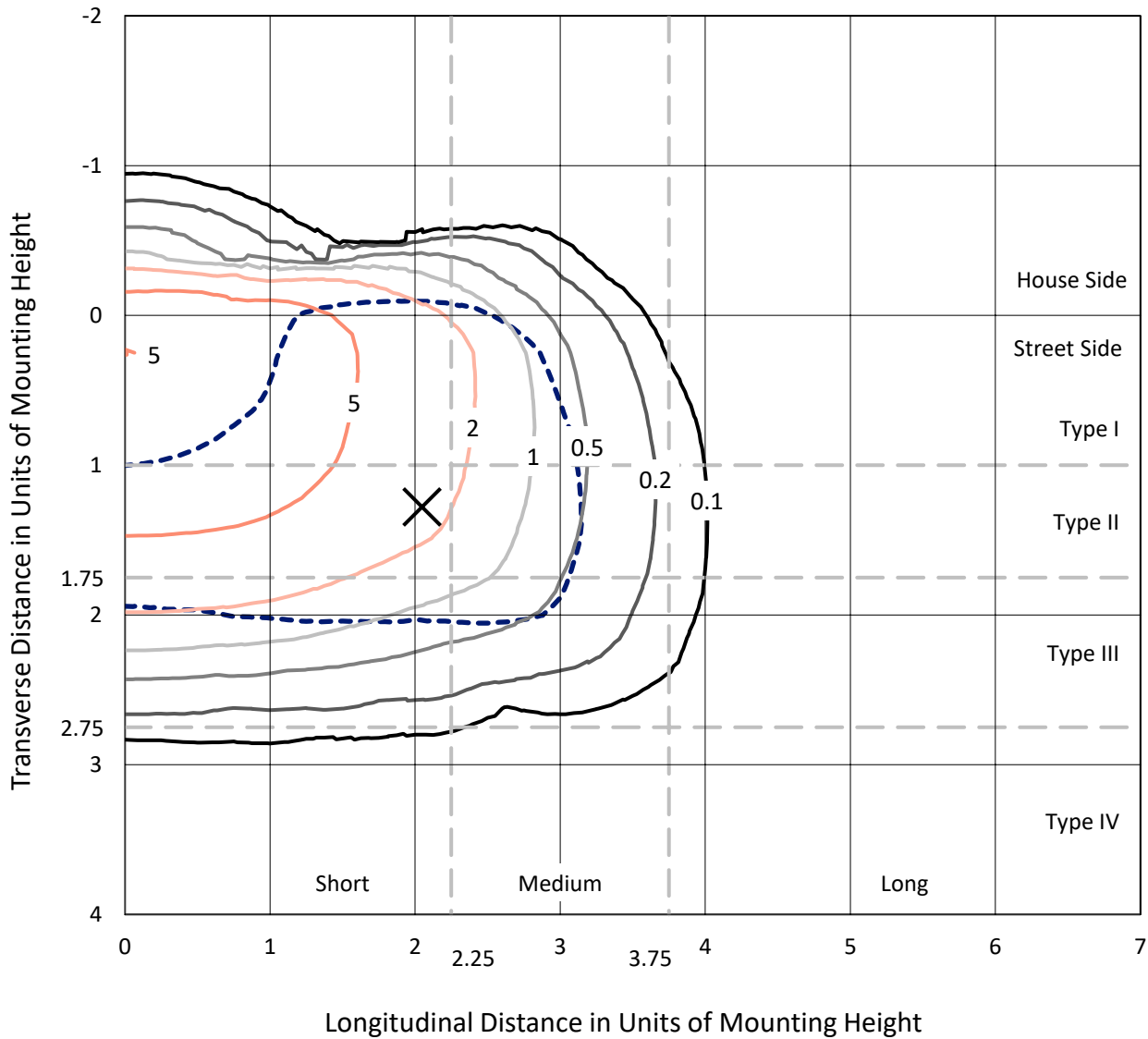
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630963
 CATALOG NUMBER: GWS-SA1E-760-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

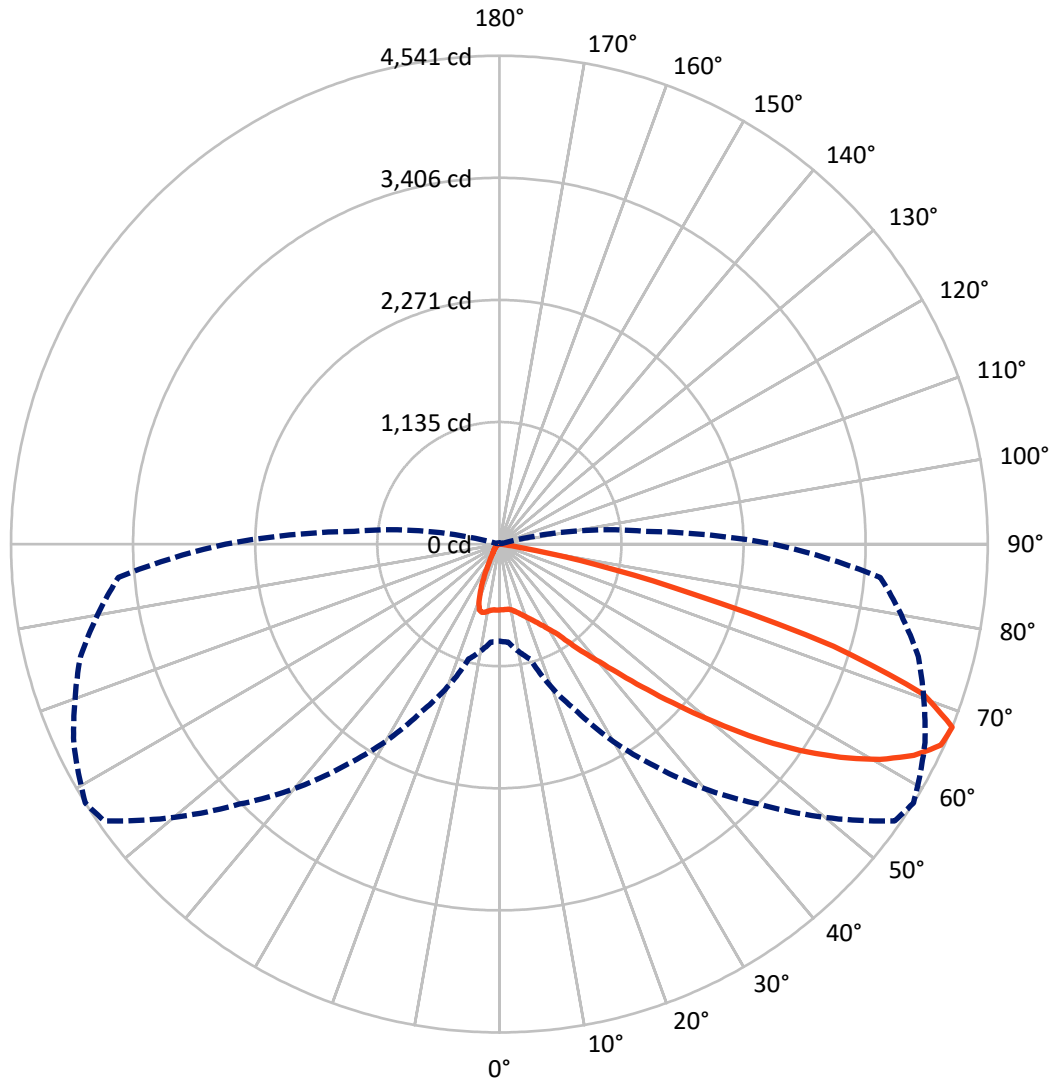
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

REPORT NUMBER: P630963
CATALOG NUMBER: GWS-SA1E-760-U-T3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630963

CATALOG NUMBER: GWS-SA1E-760-U-T3-W-HSS

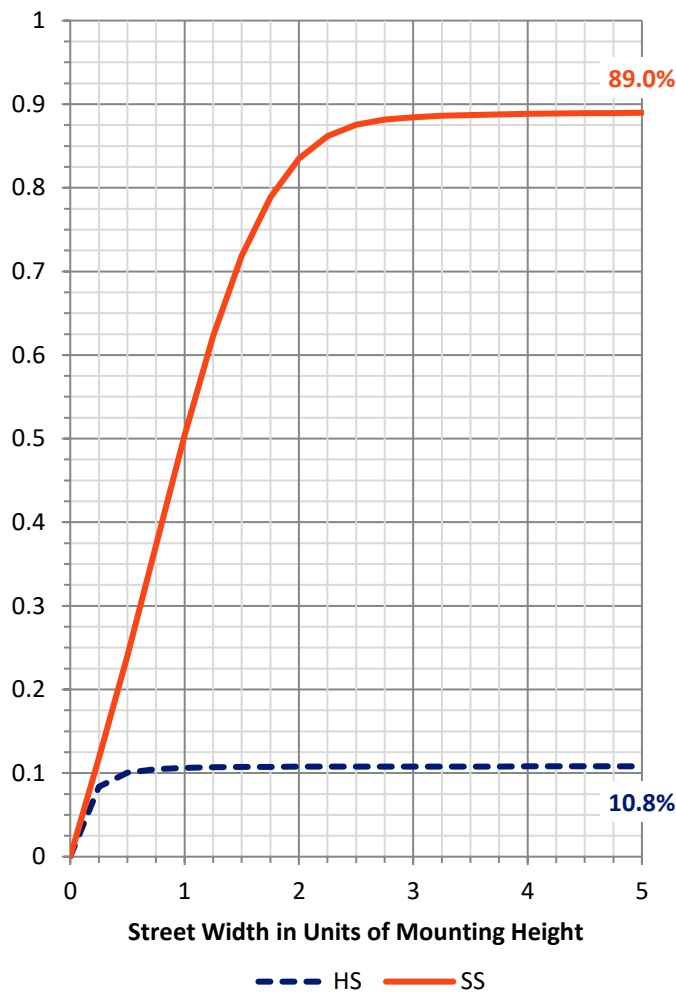
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	612.3	0.0	612.3
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	5000.3	0.0	5000.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	5612.6	0.0	5612.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.0
10°-20°	161.3	2.9
20°-30°	281.6	5.0
30°-40°	502.9	9.0
40°-50°	919.1	16.4
50°-60°	1528.6	27.2
60°-70°	1660.3	29.6
70°-80°	487.5	8.7
80°-90°	13.9	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°	5612.6	100.0
0°-180°	5612.6	100.0

Coefficient of Utilization



REPORT NUMBER: P630963

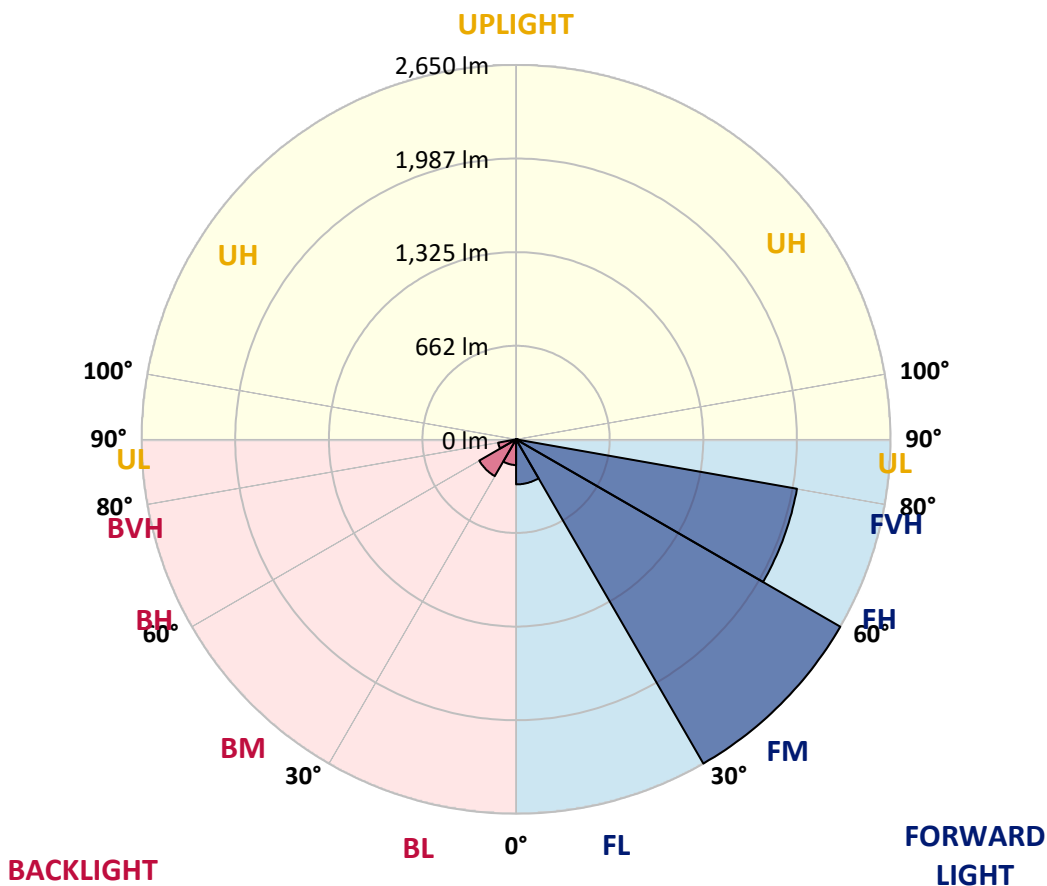
CATALOG NUMBER: GWS-SA1E-760-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.7	5.7			
FM (30°-60°)	2649.8	47.2			
FH (60°-80°)	2018.5	36.0			G2/5000
FVH (80°-90°)	13.2	0.2			G1/100
BL (0°-30°)	181.6	3.2	B1/500		
BM (30°-60°)	300.8	5.4	B1/1000		
BH (60°-80°)	129.3	2.3	B1/500		G1/500
BVH (80°-90°)	0.7	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 III Short





REPORT NUMBER: P630963

CATALOG NUMBER: GWS-SA1E-760-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	600.1	599.0	599.0	603.4	603.9	606.1	611.1	611.6	614.3	613.2	609.4
5°	568.9	569.4	572.7	580.4	586.9	595.2	607.2	610.0	616.0	619.3	617.1
7.5°	539.8	540.4	545.3	557.4	570.0	586.4	606.1	611.6	623.7	632.4	633.0
10°	528.9	528.3	533.2	546.9	563.4	586.4	614.9	622.0	640.1	655.4	658.2
12.5°	532.1	531.6	536.5	549.1	567.2	596.3	630.2	640.1	663.1	686.7	691.6
15°	545.3	544.7	548.0	558.4	578.2	608.3	650.0	664.8	693.8	722.3	730.0
17.5°	584.8	582.0	578.7	579.8	591.3	622.6	675.2	693.3	729.4	763.4	770.0
20°	654.9	647.8	639.0	627.5	622.0	643.4	704.2	725.0	768.9	807.8	808.9
22.5°	760.7	757.9	737.7	704.2	680.7	681.2	738.2	762.3	816.0	858.8	852.7
25°	908.1	906.4	875.2	820.4	759.0	738.2	781.5	806.2	871.9	917.4	898.2
27.5°	1091.1	1079.6	1042.9	968.9	877.4	812.2	836.3	858.2	931.1	973.9	937.7
30°	1250.6	1251.2	1216.6	1139.4	1036.3	923.4	903.2	922.3	985.4	1030.3	986.5
32.5°	1404.1	1409.0	1371.2	1301.6	1188.7	1068.7	999.1	1002.4	1055.0	1103.7	1050.6
35°	1546.6	1550.4	1524.1	1464.9	1359.7	1220.5	1132.8	1131.1	1159.6	1209.5	1139.9
37.5°	1706.0	1709.9	1684.1	1630.9	1532.3	1394.2	1284.6	1282.4	1293.9	1334.5	1255.0
40°	1875.9	1883.0	1854.5	1809.6	1715.3	1598.6	1461.1	1441.3	1429.8	1477.5	1404.1
42.5°	2048.0	2059.0	2049.1	2004.2	1923.6	1827.1	1690.1	1659.4	1634.8	1694.5	1616.7
45°	2261.7	2274.9	2270.5	2236.0	2173.5	2095.1	1965.8	1930.2	1918.7	1974.0	1881.4
47.5°	2467.2	2481.5	2497.4	2489.7	2445.3	2409.2	2265.6	2245.3	2242.0	2301.2	2157.6
50°	2620.1	2633.3	2694.1	2738.0	2768.1	2760.4	2636.0	2605.9	2601.0	2638.8	2449.2
52.5°	2729.8	2742.4	2826.2	2963.2	3073.9	3134.2	3008.7	3002.1	2975.3	2962.1	2722.1
55°	2814.7	2832.2	2920.5	3127.6	3350.7	3484.4	3406.0	3382.5	3313.4	3237.8	2975.3
57.5°	2831.7	2838.8	2963.2	3242.7	3565.5	3782.0	3782.0	3740.9	3607.7	3503.0	3267.9
60°	2679.3	2701.3	2869.5	3233.4	3657.6	3976.5	4093.8	4065.3	3885.6	3756.8	3549.6
62.5°	2341.2	2365.9	2570.8	3010.3	3565.5	4016.5	4330.0	4325.6	4122.9	3966.7	3783.1
65°	1795.4	1813.4	1992.1	2518.2	3176.4	3862.5	4498.8	4510.9	4310.3	4105.3	3863.6
67.5°	902.1	914.7	1107.6	1720.3	2517.7	3419.2	4487.3	4541.0	4367.3	4031.9	3556.2
70°	315.1	327.7	418.7	738.2	1532.3	2610.8	4099.3	4187.0	4032.4	3441.7	2623.4
72.5°	108.0	114.0	173.7	274.0	596.3	1547.6	3117.2	3249.3	2972.5	2310.5	1507.6
75°	61.4	65.2	93.2	148.5	249.9	509.1	1768.5	1849.6	1732.9	1259.4	620.4
77.5°	41.7	44.9	58.1	84.4	138.1	163.9	721.2	908.1	791.9	411.0	158.4
80°	24.7	26.9	35.6	49.9	70.7	63.6	154.5	205.5	264.7	122.8	47.7
82.5°	11.5	13.2	23.0	32.9	35.6	26.9	45.5	55.4	74.5	60.3	19.7
85°	0.0	0.0	7.7	13.7	13.2	7.7	12.6	13.7	20.3	30.1	7.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	3.3	6.0	3.3
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: P630963
 CATALOG NUMBER: GWS-SA1E-760-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	613.8	610.0	614.3	612.2	614.3	613.8	609.4	606.7	606.7	601.7	600.1
5°	621.5	617.6	618.7	613.8	612.7	610.0	604.5	602.3	602.3	597.4	595.7
7.5°	638.5	632.4	631.3	621.5	617.1	609.4	599.5	595.7	595.2	590.2	588.6
10°	665.3	658.2	653.3	640.7	628.0	612.7	591.9	574.3	564.5	551.3	550.2
12.5°	698.2	689.4	681.8	662.6	641.7	607.2	545.8	481.7	442.3	411.0	413.2
15°	734.9	726.7	714.6	685.6	642.8	553.0	424.7	326.1	277.9	252.1	251.0
17.5°	774.9	762.9	743.1	703.7	608.3	422.5	276.2	195.1	169.9	161.1	158.9
20°	812.2	797.4	772.7	707.5	508.6	286.1	172.6	151.3	146.9	144.1	144.1
22.5°	851.6	833.0	796.3	677.9	378.1	183.0	146.9	141.9	138.7	134.8	134.3
25°	891.7	867.5	817.7	600.6	247.7	144.1	137.6	132.1	126.0	120.0	118.4
27.5°	925.6	894.4	834.1	485.6	158.9	129.9	125.5	116.2	108.0	101.4	100.3
30°	966.2	926.2	841.2	355.1	125.0	114.5	108.0	98.1	88.2	81.7	79.5
32.5°	1020.4	976.6	830.3	231.3	110.7	100.8	90.4	78.9	69.1	61.9	60.8
35°	1104.8	1052.8	779.9	147.4	100.3	87.1	74.5	62.5	54.3	48.8	47.7
37.5°	1207.9	1159.6	697.1	110.7	89.9	75.6	60.8	49.3	43.3	39.5	38.4
40°	1360.8	1293.4	594.6	97.0	79.5	64.1	49.9	40.6	36.2	32.9	31.8
42.5°	1559.2	1451.2	476.8	88.2	69.6	53.7	40.6	33.4	29.6	27.4	26.9
45°	1791.0	1605.2	352.4	79.5	60.3	44.4	33.4	27.4	24.7	23.0	22.5
47.5°	2028.3	1740.0	243.3	70.1	51.5	36.7	27.9	23.6	21.4	19.2	18.6
50°	2281.5	1854.0	166.1	60.8	43.8	30.1	24.1	21.4	18.6	17.0	16.4
52.5°	2467.2	1896.2	115.6	52.6	37.3	25.8	21.4	19.2	17.0	14.8	14.2
55°	2638.8	1895.1	87.7	44.4	31.8	22.5	19.2	17.0	14.8	13.2	12.6
57.5°	2809.8	1880.3	69.1	37.8	27.4	20.3	17.0	14.8	13.7	11.5	11.0
60°	2920.5	1824.4	53.7	31.8	23.6	17.5	14.8	13.2	11.5	9.9	9.3
62.5°	2979.1	1746.6	41.1	25.2	19.2	15.3	13.2	11.5	9.9	8.2	7.7
65°	2899.6	1608.5	32.3	19.7	14.8	13.2	11.0	9.3	7.7	6.0	5.5
67.5°	2547.3	1356.4	25.2	15.9	11.5	9.9	9.3	7.7	5.5	4.4	3.8
70°	1800.3	928.9	19.7	12.1	8.8	7.7	7.1	6.0	4.4	3.3	2.7
72.5°	988.1	468.6	14.2	8.8	6.6	6.0	5.5	4.9	3.8	2.7	2.7
75°	380.3	128.8	10.4	6.0	4.4	4.4	3.8	3.8	3.3	2.2	2.2
77.5°	99.2	38.4	6.6	3.8	2.7	2.7	2.7	2.2	2.2	1.6	1.6
80°	31.8	12.6	3.8	2.7	2.2	1.6	1.6	1.1	1.6	1.1	1.1
82.5°	10.4	4.4	2.2	2.2	1.6	1.1	1.1	0.5	0.5	0.0	0.0
85°	3.8	2.2	1.6	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0
87.5°	2.2	1.1	1.1	1.1	1.1	0.5	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)