

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: P630244

Luminaire Tested: GWS-SA1D-730-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4453.2 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

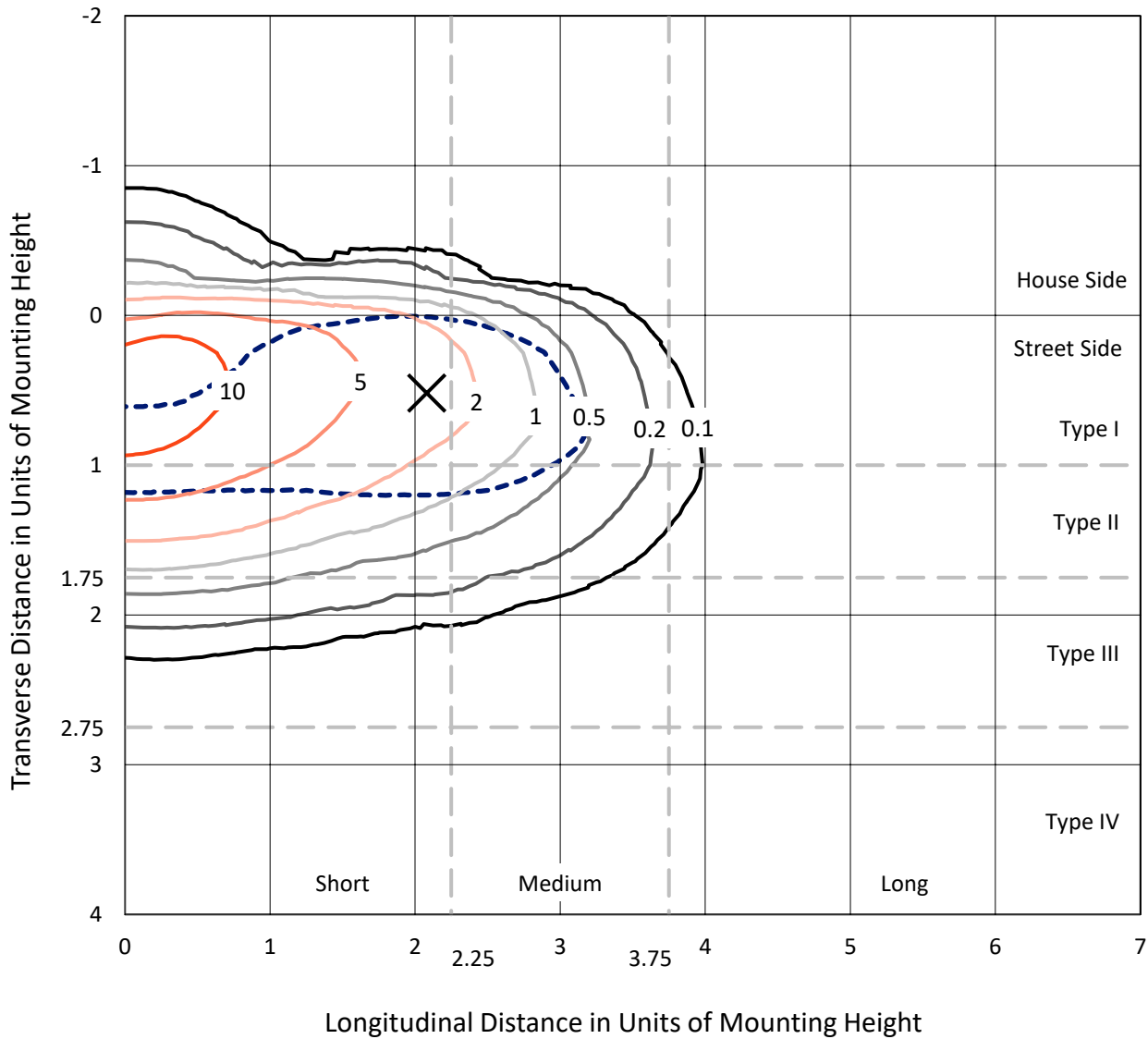
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630244
 CATALOG NUMBER: GWS-SA1D-730-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

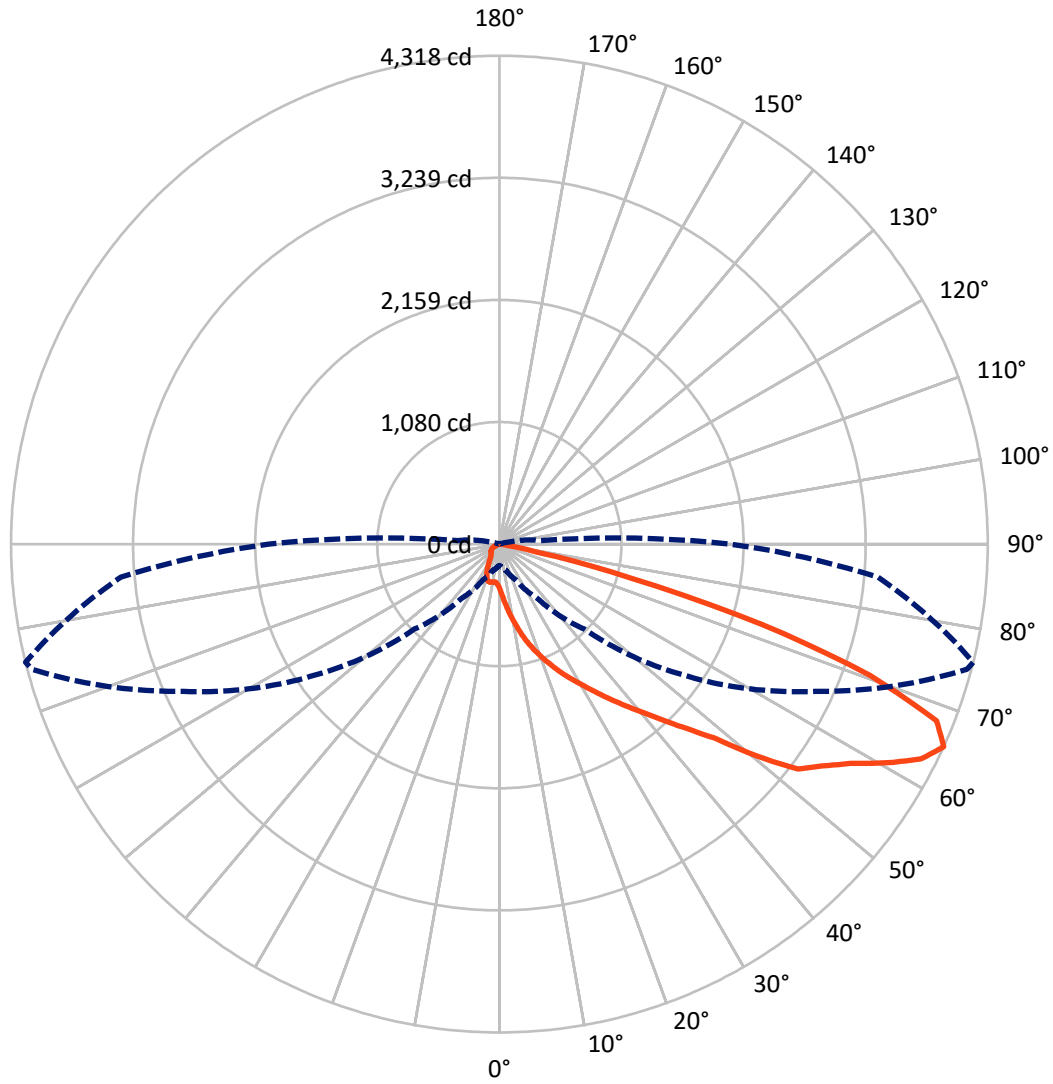
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type II - Short - N/A

REPORT NUMBER: P630244
CATALOG NUMBER: GWS-SA1D-730-U-T2R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P630244

CATALOG NUMBER: GWS-SA1D-730-U-T2R-W-HSS

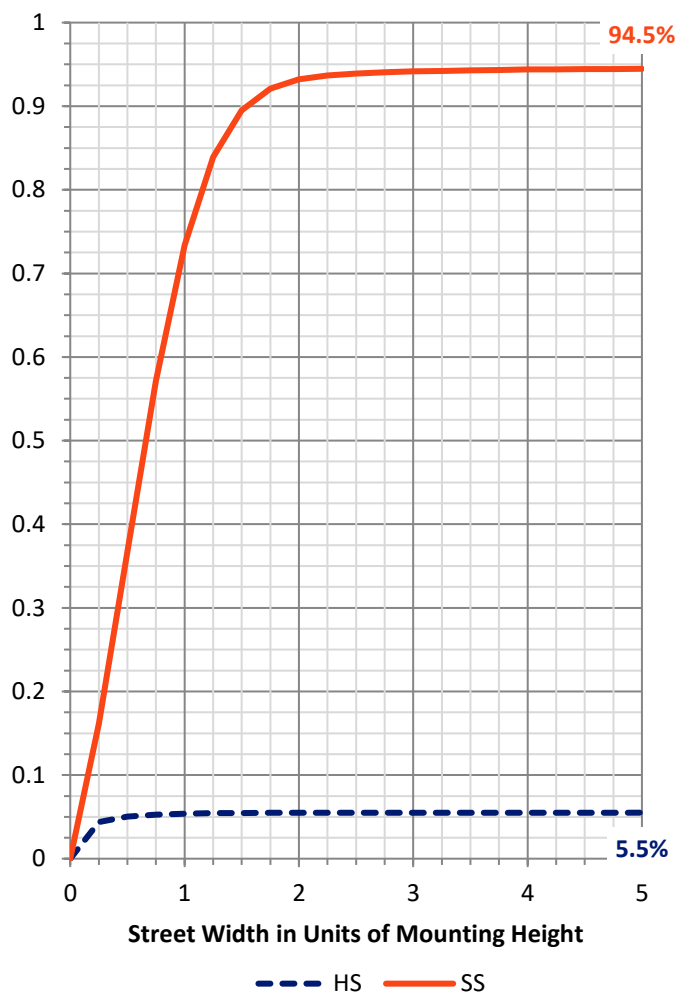
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	246.2	0.0	246.2
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	4207.0	0.0	4207.0
	% Fixture	94.5	0.0	94.5
Total	Lumens	4453.2	0.0	4453.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	1.1
10°-20°	182.0	4.1
20°-30°	371.3	8.3
30°-40°	660.4	14.8
40°-50°	976.2	21.9
50°-60°	1117.7	25.1
60°-70°	852.7	19.1
70°-80°	238.9	5.4
80°-90°	6.0	0.1
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°	4453.2	100.0
0°-180°	4453.2	100.0

Coefficient of Utilization



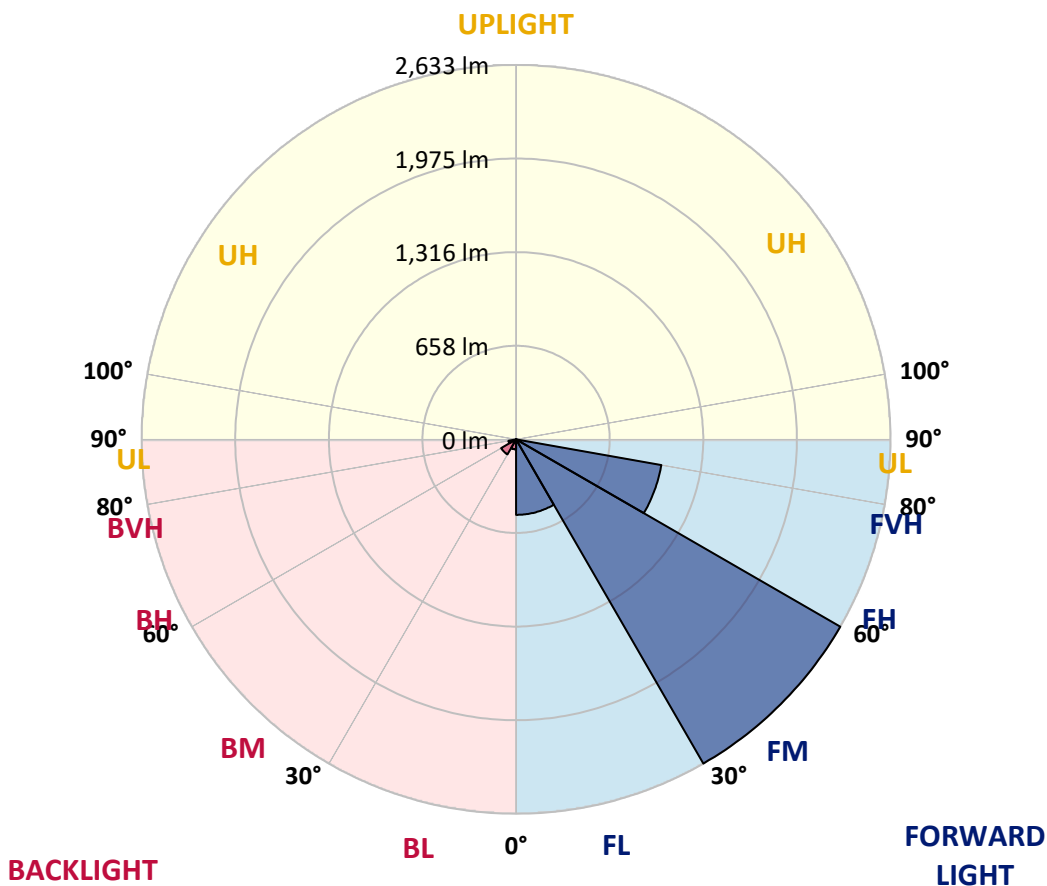
REPORT NUMBER: P630244

CATALOG NUMBER: GWS-SA1D-730-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.0	11.9			
FM (30°-60°)	2632.8	59.1			
FH (60°-80°)	1037.5	23.3			G1/1800
FVH (80°-90°)	5.7	0.1			G0/10
BL (0°-30°)	70.3	1.6	B0/110		
BM (30°-60°)	121.5	2.7	B0/220		
BH (60°-80°)	54.1	1.2	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Short





REPORT NUMBER: P630244

CATALOG NUMBER: GWS-SA1D-730-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	607.6	616.7	609.6	597.7	574.8	552.6	524.1	484.9	453.6	449.7	420.4
5°	820.6	819.8	804.4	788.9	764.8	726.8	669.4	596.6	526.5	520.5	454.8
7.5°	947.3	948.5	939.8	927.9	904.1	864.9	805.2	717.3	614.8	602.9	501.9
10°	1053.8	1053.4	1047.0	1041.5	1020.1	994.0	929.9	833.3	709.8	691.2	554.6
12.5°	1133.7	1136.5	1139.7	1145.2	1136.1	1110.4	1049.8	944.5	806.0	785.4	614.8
15°	1197.1	1197.9	1209.7	1231.1	1238.6	1225.2	1170.1	1052.2	901.0	883.2	684.0
17.5°	1216.1	1217.6	1237.8	1277.0	1316.6	1324.1	1282.6	1160.6	994.4	975.4	751.3
20°	1256.0	1259.6	1274.7	1309.1	1359.0	1399.3	1383.1	1270.3	1087.8	1062.9	820.2
22.5°	1381.9	1383.9	1378.8	1383.1	1408.8	1455.6	1465.5	1376.4	1183.6	1157.1	894.6
25°	1598.5	1599.3	1563.2	1529.2	1509.8	1518.5	1540.3	1474.2	1278.6	1252.5	963.9
27.5°	1823.3	1826.1	1782.9	1725.1	1655.9	1616.3	1609.9	1563.6	1374.4	1345.5	1032.4
30°	2035.1	2035.1	1989.6	1919.1	1826.5	1749.3	1703.8	1653.9	1476.9	1445.3	1102.5
32.5°	2225.5	2223.9	2165.7	2089.3	1997.9	1913.2	1817.4	1748.1	1590.9	1555.7	1183.2
35°	2382.6	2378.7	2312.6	2239.3	2141.6	2078.6	1971.7	1849.4	1714.4	1679.2	1266.3
37.5°	2501.4	2497.0	2436.5	2358.9	2268.2	2227.5	2138.0	1971.0	1844.7	1812.6	1358.6
40°	2565.9	2557.2	2515.3	2457.5	2381.5	2345.8	2308.6	2121.8	1997.9	1957.9	1467.4
42.5°	2584.9	2574.6	2546.9	2520.0	2474.1	2446.0	2486.0	2292.0	2166.1	2131.7	1591.7
45°	2528.7	2522.8	2520.4	2539.8	2548.1	2556.0	2654.6	2480.4	2351.8	2325.6	1748.1
47.5°	2393.3	2391.8	2412.7	2493.5	2581.4	2664.9	2837.9	2712.8	2592.4	2564.3	1966.6
50°	2143.2	2159.4	2218.0	2359.7	2535.4	2726.6	3009.3	3035.0	2982.0	2940.8	2251.6
52.5°	1752.1	1783.3	1914.7	2130.1	2382.6	2709.2	3088.5	3293.1	3347.3	3304.6	2455.9
55°	1374.8	1404.1	1521.3	1794.4	2131.3	2576.6	3092.0	3382.2	3500.5	3461.0	2594.0
57.5°	1024.1	1051.0	1157.5	1418.7	1789.3	2315.7	3007.3	3431.7	3682.2	3656.9	2812.1
60°	669.4	695.9	792.1	1020.5	1387.9	1935.7	2798.7	3421.4	3929.6	3927.3	3080.1
62.5°	371.3	392.3	462.0	640.1	968.7	1499.1	2470.9	3318.0	4169.1	4184.2	3301.0
65°	190.0	203.5	245.8	351.9	586.3	1062.9	2039.8	3081.3	4280.0	4318.0	3359.2
67.5°	124.3	128.7	138.9	182.9	313.9	668.6	1535.1	2701.7	4124.0	4168.3	3164.1
70°	100.9	104.5	110.4	121.9	161.9	355.1	1008.2	2157.8	3445.9	3476.0	2519.6
72.5°	74.0	78.8	90.3	97.8	116.8	194.8	524.5	1416.4	2366.4	2419.5	1583.4
75°	54.6	57.4	66.9	77.2	95.4	123.1	200.7	744.6	1222.0	1191.1	665.0
77.5°	32.9	34.8	42.8	49.5	68.1	76.8	70.1	275.1	371.7	349.5	160.7
80°	16.2	18.2	28.1	37.2	43.5	30.9	29.3	76.8	82.7	82.7	40.4
82.5°	5.5	7.1	15.0	24.5	21.4	11.9	13.9	19.8	22.2	23.4	11.9
85°	0.0	0.0	3.6	7.1	3.2	1.6	3.6	4.4	5.5	5.9	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.6	1.6
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: P630244
 CATALOG NUMBER: GWS-SA1D-730-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	404.6	386.0	357.9	332.5	313.1	294.9	281.1	270.0	268.0	261.7	262.5
5°	422.8	389.1	337.3	297.3	269.2	250.2	234.3	222.5	217.3	212.2	208.2
7.5°	450.9	402.2	329.4	280.7	247.8	218.5	194.0	174.2	164.7	158.7	154.8
10°	485.3	420.4	329.7	270.8	222.1	177.3	143.7	121.9	111.6	108.5	108.1
12.5°	526.5	443.4	332.9	254.5	184.9	131.8	106.5	96.6	93.4	90.7	90.7
15°	570.0	469.1	332.9	224.8	140.9	102.9	92.2	85.9	81.9	80.4	79.6
17.5°	615.9	493.2	325.0	184.1	108.1	90.7	81.9	76.0	72.8	70.5	69.7
20°	665.0	516.2	305.2	140.9	92.6	81.2	72.8	66.9	63.7	61.4	61.4
22.5°	714.9	537.6	273.1	108.5	81.9	72.0	64.1	58.6	55.4	53.0	53.0
25°	761.2	551.8	232.0	89.5	74.0	64.1	57.0	51.5	47.9	46.3	45.5
27.5°	804.4	560.9	186.4	78.8	66.5	57.4	49.9	44.7	42.0	40.8	40.0
30°	849.1	563.3	142.5	71.6	60.2	50.7	43.5	39.6	37.2	35.6	35.6
32.5°	892.7	560.5	108.9	65.7	54.6	44.7	38.8	35.2	33.3	32.1	31.7
35°	937.0	547.9	88.3	60.6	49.1	39.2	34.4	31.7	30.5	28.9	28.9
37.5°	985.3	530.8	76.8	55.4	43.5	35.2	30.9	28.9	27.3	26.1	25.7
40°	1045.5	511.0	70.5	51.1	38.4	31.7	27.7	25.7	24.5	23.4	23.0
42.5°	1116.7	491.7	67.3	46.3	34.4	28.1	24.9	22.6	21.4	19.8	19.4
45°	1217.6	487.3	63.7	41.2	30.9	25.3	21.8	19.4	17.8	16.6	16.2
47.5°	1379.9	499.6	57.8	35.6	27.3	22.2	18.6	16.6	14.6	13.5	12.7
50°	1541.1	496.4	51.9	30.9	24.1	19.0	15.8	13.9	11.9	10.7	10.3
52.5°	1628.9	481.4	46.3	27.3	21.0	16.2	13.5	11.1	9.9	8.7	8.3
55°	1708.5	475.4	40.8	23.8	17.8	14.3	11.1	9.1	8.3	7.1	6.7
57.5°	1864.5	489.3	36.0	20.6	15.4	12.3	9.5	7.5	6.7	5.5	5.1
60°	2027.6	490.9	30.9	17.8	13.5	10.3	7.5	5.9	5.1	4.0	3.6
62.5°	2112.7	450.9	25.3	15.0	11.1	8.7	6.3	4.8	4.0	2.4	2.4
65°	2041.4	364.6	21.4	12.3	8.7	6.7	4.8	3.6	2.4	1.2	0.4
67.5°	1806.7	259.3	17.8	9.9	6.3	4.8	3.6	2.4	0.4	0.0	0.0
70°	1322.9	148.0	13.9	7.1	4.8	3.2	2.4	1.2	0.0	0.0	0.0
72.5°	813.1	79.2	10.3	4.8	3.6	2.4	2.0	0.8	0.0	0.0	0.0
75°	308.4	38.0	6.3	3.2	2.8	2.0	1.2	0.4	0.0	0.0	0.0
77.5°	83.5	18.6	3.6	2.4	2.0	1.2	0.8	0.0	0.0	0.0	0.0
80°	21.8	8.7	2.4	1.6	1.2	0.8	0.0	0.0	0.0	0.0	0.0
82.5°	7.5	4.0	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0
85°	3.2	1.6	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.4	0.4	0.4	0.4	0.0	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)