

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: P634530

Luminaire Tested: GWS-SA3B-830-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634530
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6189.3 lumens
Efficiency: N/A
Efficacy: 90.6 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

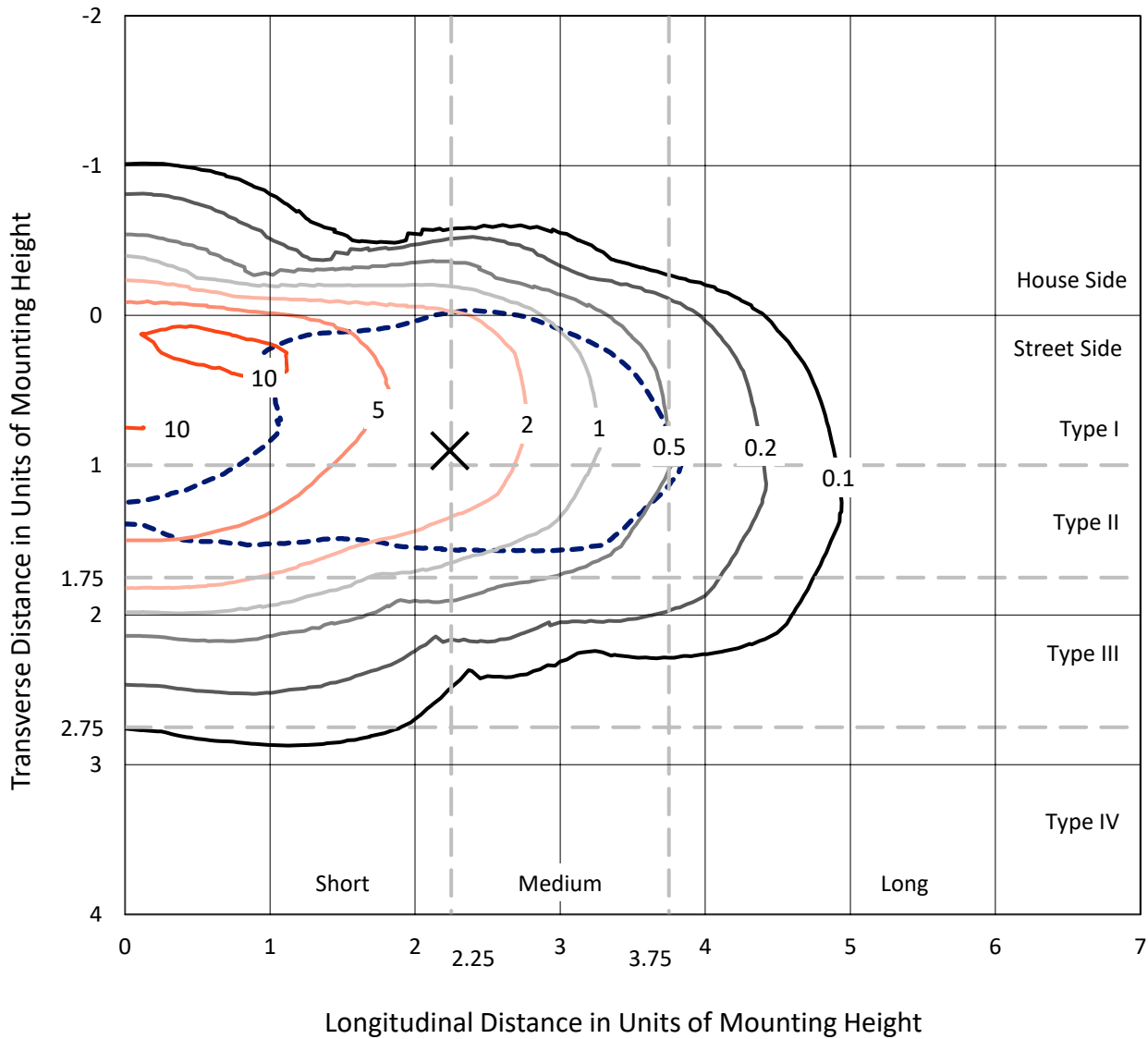
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634530
 CATALOG NUMBER: GWS-SA3B-830-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

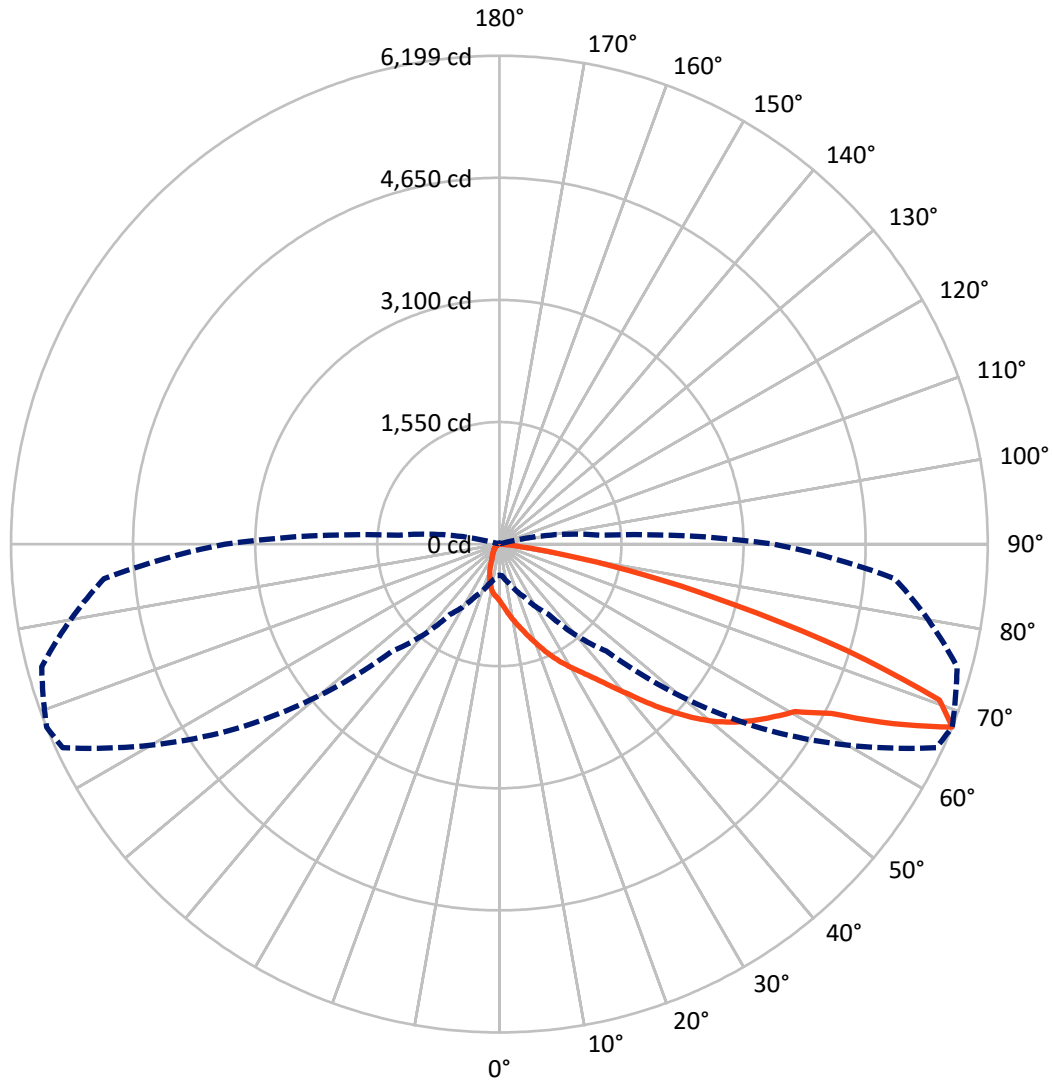
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

REPORT NUMBER: P634530
CATALOG NUMBER: GWS-SA3B-830-U-T2-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634530
 CATALOG NUMBER: GWS-SA3B-830-U-T2-W-HSS

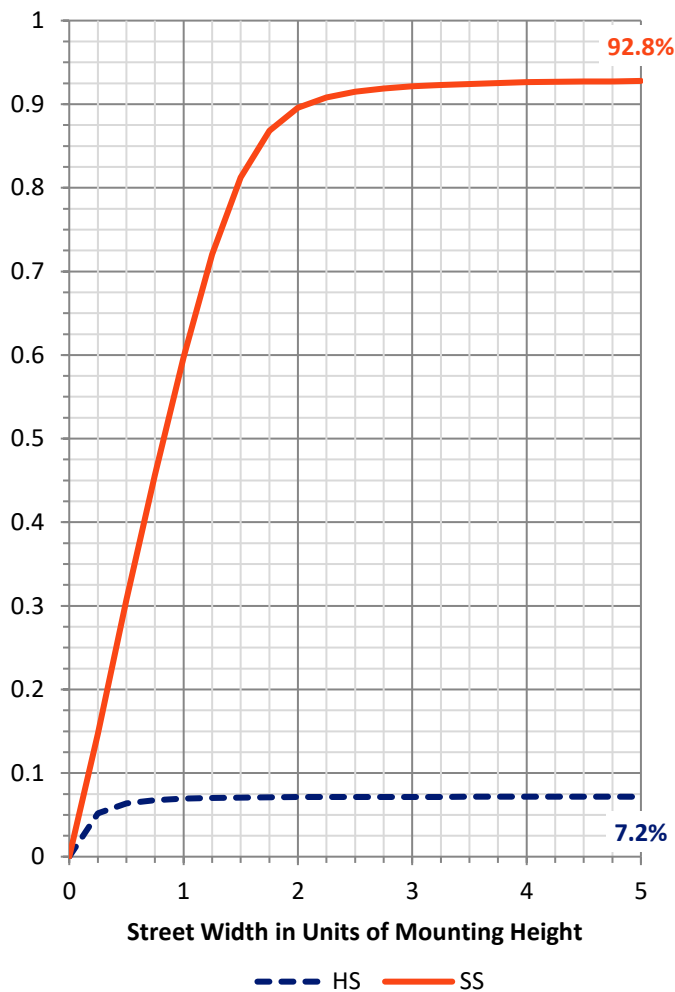
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	446.9	0.0	446.9
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	5742.4	0.0	5742.4
	% Fixture	92.8	0.0	92.8
Total	Lumens	6189.3	0.0	6189.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.1
10°-20°	201.7	3.3
20°-30°	346.7	5.6
30°-40°	602.7	9.7
40°-50°	1051.7	17.0
50°-60°	1586.3	25.6
60°-70°	1590.6	25.7
70°-80°	701.8	11.3
80°-90°	37.5	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°	6189.3	100.0
0°-180°	6189.3	100.0

Coefficient of Utilization



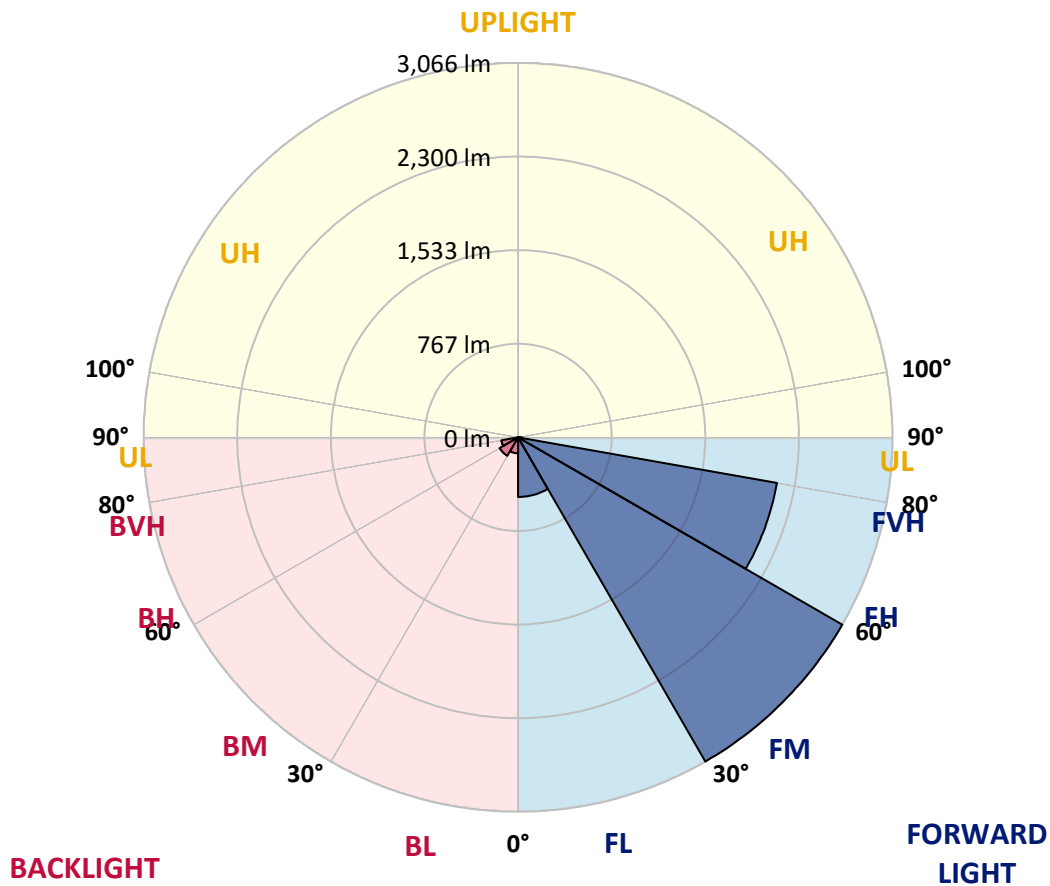
REPORT NUMBER: P634530

CATALOG NUMBER: GWS-SA3B-830-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°)	487.9	7.9			
FM (30°-60°)	3066.2	49.5			
FH (60°-80°)	2152.9	34.8			G2/5000
FVH (80°-90°)	35.4	0.6			G1/100
BL (0°-30°)	130.8	2.1	B1/500		
BM (30°-60°)	174.6	2.8	B0/220		
BH (60°-80°)	139.5	2.3	B1/500		G1/500
BVH (80°-90°)	2.1	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: P634530
 CATALOG NUMBER: GWS-SA3B-830-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	720.3	720.3	720.3	720.3	720.3	720.3	720.3	720.3	720.3	720.3	720.3
2.5°	838.7	844.1	838.7	839.9	824.5	817.4	802.0	780.7	775.4	761.7	741.0
5°	941.2	946.0	940.6	939.4	921.7	908.6	883.2	846.4	835.8	809.1	768.3
7.5°	996.9	999.9	1001.6	1004.6	998.1	987.4	964.3	918.7	907.5	864.2	806.8
10°	1002.8	1005.2	1014.1	1031.8	1044.9	1051.4	1038.4	996.3	978.5	936.5	854.1
12.5°	986.2	989.8	1004.0	1033.6	1069.8	1102.9	1111.2	1074.5	1058.5	1004.6	909.8
15°	964.3	967.3	986.8	1027.1	1081.6	1142.6	1177.0	1161.0	1143.2	1086.9	971.4
17.5°	930.6	934.7	961.9	1016.4	1086.9	1174.0	1248.0	1253.4	1240.9	1179.9	1039.5
20°	911.6	914.6	938.8	995.1	1083.4	1197.1	1314.4	1364.7	1351.1	1287.1	1117.7
22.5°	927.6	930.0	946.0	989.8	1071.5	1210.1	1376.0	1476.1	1468.4	1402.1	1200.1
25°	1011.7	1019.4	1009.9	1017.6	1076.9	1217.2	1425.7	1587.5	1589.2	1522.3	1285.4
27.5°	1182.3	1172.2	1149.7	1111.2	1118.3	1236.2	1468.4	1692.3	1707.7	1639.6	1361.2
30°	1355.9	1349.9	1336.3	1276.5	1226.7	1278.3	1504.5	1799.5	1823.8	1755.1	1428.7
32.5°	1550.7	1556.7	1532.4	1460.7	1376.0	1363.6	1541.8	1901.4	1947.0	1886.0	1508.1
35°	1783.5	1785.3	1737.3	1657.9	1562.0	1504.5	1608.8	2013.9	2098.0	2053.0	1614.1
37.5°	2010.4	2021.0	1995.0	1870.0	1784.7	1679.9	1719.5	2158.5	2276.9	2259.2	1747.4
40°	2211.2	2227.8	2219.5	2098.6	1986.7	1898.4	1891.3	2327.9	2493.1	2513.3	1923.3
42.5°	2371.1	2381.8	2388.3	2302.4	2203.5	2153.7	2103.4	2524.5	2748.4	2830.8	2138.9
45°	2539.9	2543.5	2557.1	2499.1	2412.6	2416.7	2353.9	2763.2	3017.3	3182.6	2386.5
47.5°	2754.9	2766.8	2760.3	2699.3	2621.1	2667.9	2612.8	3009.1	3282.7	3558.1	2640.0
50°	3016.8	3029.2	3023.3	2952.2	2865.1	2884.7	2850.3	3247.8	3538.6	3912.4	2850.9
52.5°	3151.8	3161.9	3235.3	3267.3	3221.7	3097.3	3052.9	3510.2	3754.8	4203.8	3044.6
55°	3086.6	3093.8	3253.7	3388.7	3555.8	3431.4	3256.6	3712.7	3945.5	4431.2	3188.5
57.5°	2816.5	2855.0	3072.4	3301.1	3652.3	3761.3	3587.2	3933.1	4129.2	4589.4	3330.1
60°	2262.7	2260.9	2572.5	2983.0	3464.0	3851.9	4053.9	4231.0	4313.4	4710.8	3519.6
62.5°	1250.4	1261.7	1676.3	2217.1	2940.3	3617.4	4404.0	4745.8	4733.3	4922.9	3816.4
65°	622.5	645.1	870.1	1270.0	1956.5	2989.5	4464.4	5531.2	5495.7	5422.2	4429.5
67.5°	395.1	404.0	528.4	738.0	1087.5	1921.5	4088.3	6117.0	6199.4	6014.6	5037.8
70°	255.9	270.7	367.2	504.7	656.3	990.4	2994.8	5737.3	5926.3	5949.4	4658.7
72.5°	139.2	149.9	234.6	360.1	473.9	495.2	1682.2	4305.7	4609.5	5046.7	3644.6
75°	79.4	87.1	128.5	244.6	347.7	301.5	745.7	2882.3	3076.0	3606.7	2611.6
77.5°	48.0	54.5	72.3	119.1	218.0	201.4	282.0	1754.5	1877.7	2151.9	1370.7
80°	21.9	26.1	45.6	65.7	119.1	95.4	107.8	818.0	844.7	883.2	453.7
82.5°	10.1	11.8	20.7	39.1	67.5	55.1	41.5	189.0	266.0	251.7	115.5
85°	1.2	1.2	7.7	16.0	19.0	14.2	17.2	42.6	53.9	75.8	33.2
87.5°	0.0	0.0	0.6	0.6	1.2	1.8	3.6	5.3	7.7	12.4	8.3
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: P634530
 CATALOG NUMBER: GWS-SA3B-830-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	720.3	720.3	720.3	720.3	720.3	720.3	720.3	720.3	720.3	720.3	720.3
2.5°	731.5	714.9	700.1	678.2	663.4	646.8	635.6	621.9	616.6	612.5	606.5
5°	748.1	721.5	685.3	645.1	611.9	580.5	551.5	532.5	515.9	513.6	505.3
7.5°	775.4	735.7	674.7	608.9	552.6	500.5	459.7	426.5	409.9	404.6	395.1
10°	811.5	757.0	658.7	558.0	476.8	414.6	368.4	331.1	305.1	295.6	288.5
12.5°	851.8	776.5	633.2	495.2	402.8	331.7	273.1	233.4	216.8	210.9	205.5
15°	898.0	794.9	592.9	432.4	330.5	244.0	202.6	185.4	178.3	176.5	174.7
17.5°	942.4	806.8	544.9	367.2	254.1	189.5	170.0	163.5	161.7	159.9	158.7
20°	992.8	815.1	488.7	305.6	197.2	160.5	151.0	146.3	142.8	139.2	138.6
22.5°	1044.3	815.1	427.7	245.2	165.3	143.9	133.3	124.4	117.9	114.3	113.1
25°	1093.4	803.8	367.2	196.1	145.7	127.9	114.3	104.3	95.4	91.2	90.0
27.5°	1128.4	774.8	314.5	165.9	132.1	113.7	97.1	85.9	78.8	74.6	74.0
30°	1150.3	731.5	266.0	148.1	120.2	98.9	82.3	72.9	67.5	64.6	63.4
32.5°	1166.9	678.2	222.7	135.6	109.0	85.9	71.7	64.0	59.2	56.9	56.3
35°	1200.1	627.9	190.7	124.4	97.1	75.2	62.8	56.9	53.3	50.3	49.8
37.5°	1246.3	585.8	165.3	114.3	85.9	66.9	56.9	51.5	48.6	45.6	45.0
40°	1314.4	559.2	146.3	104.3	75.8	60.4	52.1	47.4	43.2	40.3	39.7
42.5°	1419.2	546.7	133.9	94.2	66.9	54.5	48.0	42.1	37.9	34.9	34.4
45°	1544.2	553.2	123.2	84.1	61.0	50.3	42.6	36.7	32.6	29.6	29.0
47.5°	1678.1	576.3	114.3	74.6	55.1	46.2	37.9	31.4	27.8	24.9	24.3
50°	1817.9	614.2	106.6	65.7	50.3	41.5	32.6	27.2	23.7	21.3	20.7
52.5°	1939.3	665.8	98.9	59.2	46.2	36.7	28.4	23.7	20.1	17.8	17.2
55°	2055.4	714.4	93.0	53.3	41.5	32.0	24.9	20.1	17.2	14.8	14.2
57.5°	2181.6	765.9	85.9	48.0	37.3	28.4	21.9	17.2	14.8	12.4	11.8
60°	2365.2	842.3	75.2	43.8	32.6	24.9	19.0	15.4	13.0	10.1	9.5
62.5°	2630.0	981.5	63.4	37.9	27.8	21.3	16.0	13.0	10.7	8.3	7.1
65°	3125.1	1218.4	52.1	31.4	22.5	17.8	13.6	10.7	8.3	5.9	5.3
67.5°	3481.7	1280.0	42.1	25.5	18.4	13.6	11.3	8.3	5.9	4.1	3.6
70°	3044.0	919.3	32.6	20.7	15.4	10.7	8.9	6.5	4.1	3.0	2.4
72.5°	2293.5	600.6	24.3	16.0	11.8	8.9	6.5	5.3	3.6	2.4	1.8
75°	1616.5	347.1	17.8	11.8	8.3	6.5	5.3	4.1	3.0	1.8	1.8
77.5°	828.7	143.3	12.4	8.3	5.9	4.1	3.6	2.4	2.4	1.8	1.2
80°	251.7	47.4	7.1	5.3	4.1	3.0	1.8	1.8	1.8	1.2	0.6
82.5°	57.5	15.4	4.1	4.1	3.0	2.4	1.8	0.6	0.6	0.0	0.0
85°	14.8	4.7	3.6	3.0	3.0	2.4	1.2	0.6	0.0	0.0	0.0
87.5°	5.3	3.0	3.0	3.0	2.4	1.8	1.2	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)