

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: P635528

Luminaire Tested: GWS-SA3D-830-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635528
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-SA3D-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10263.2 lumens
Efficiency: N/A
Efficacy: 85.0 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

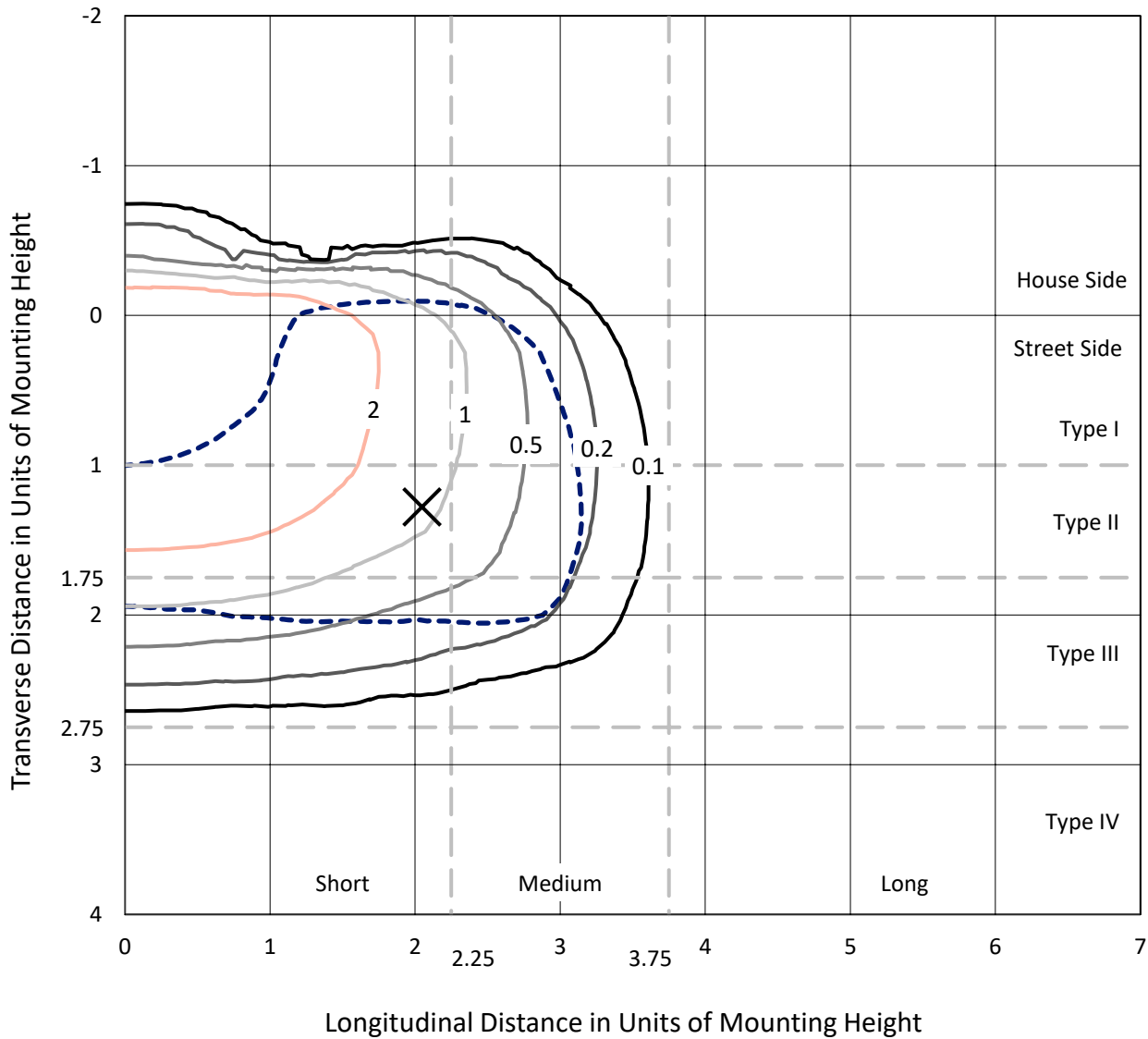
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635528
 CATALOG NUMBER: GWS-SA3D-830-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

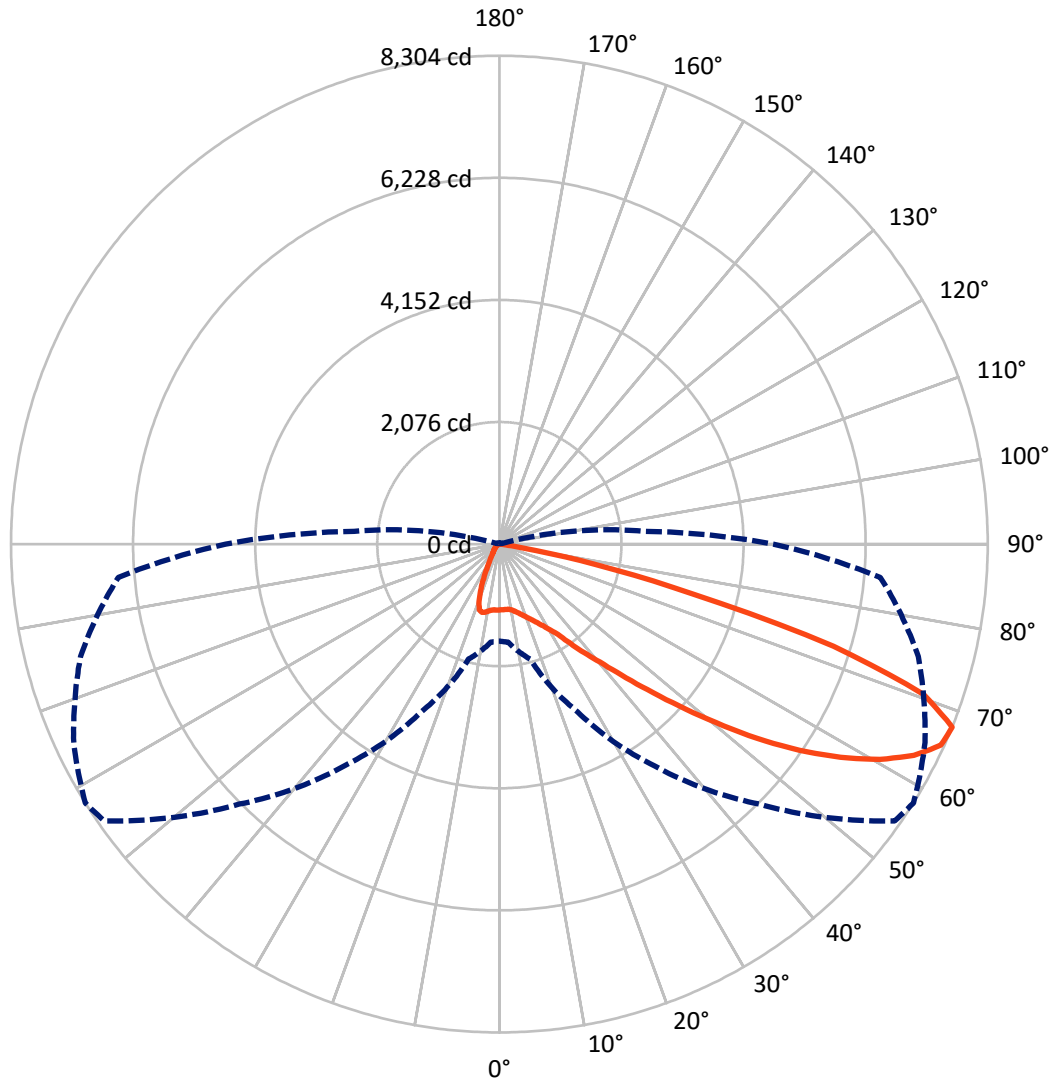
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

REPORT NUMBER: P635528
CATALOG NUMBER: GWS-SA3D-830-U-T3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635528

CATALOG NUMBER: GWS-SA3D-830-U-T3-W-HSS

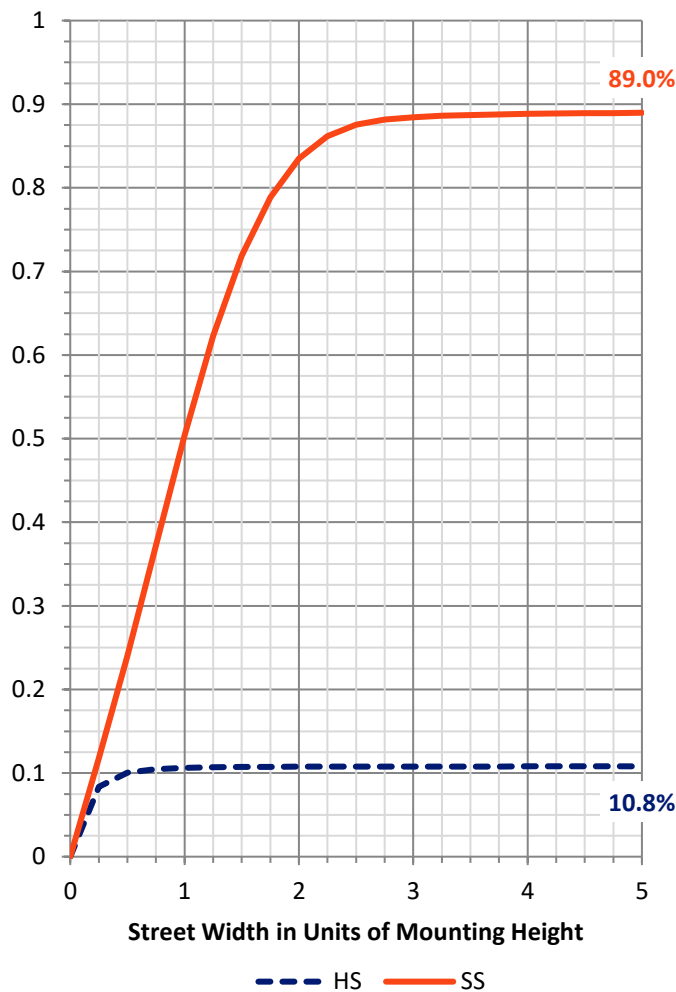
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1119.7	0.0	1119.7
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	9143.5	0.0	9143.5
	% Fixture	89.1	0.0	89.1
Total	Lumens	10263.2	0.0	10263.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	1.0
10°-20°	295.0	2.9
20°-30°	514.9	5.0
30°-40°	919.5	9.0
40°-50°	1680.7	16.4
50°-60°	2795.2	27.2
60°-70°	3036.1	29.6
70°-80°	891.4	8.7
80°-90°	25.4	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°	10263.2	100.0
0°-180°	10263.2	100.0

Coefficient of Utilization



REPORT NUMBER: P635528

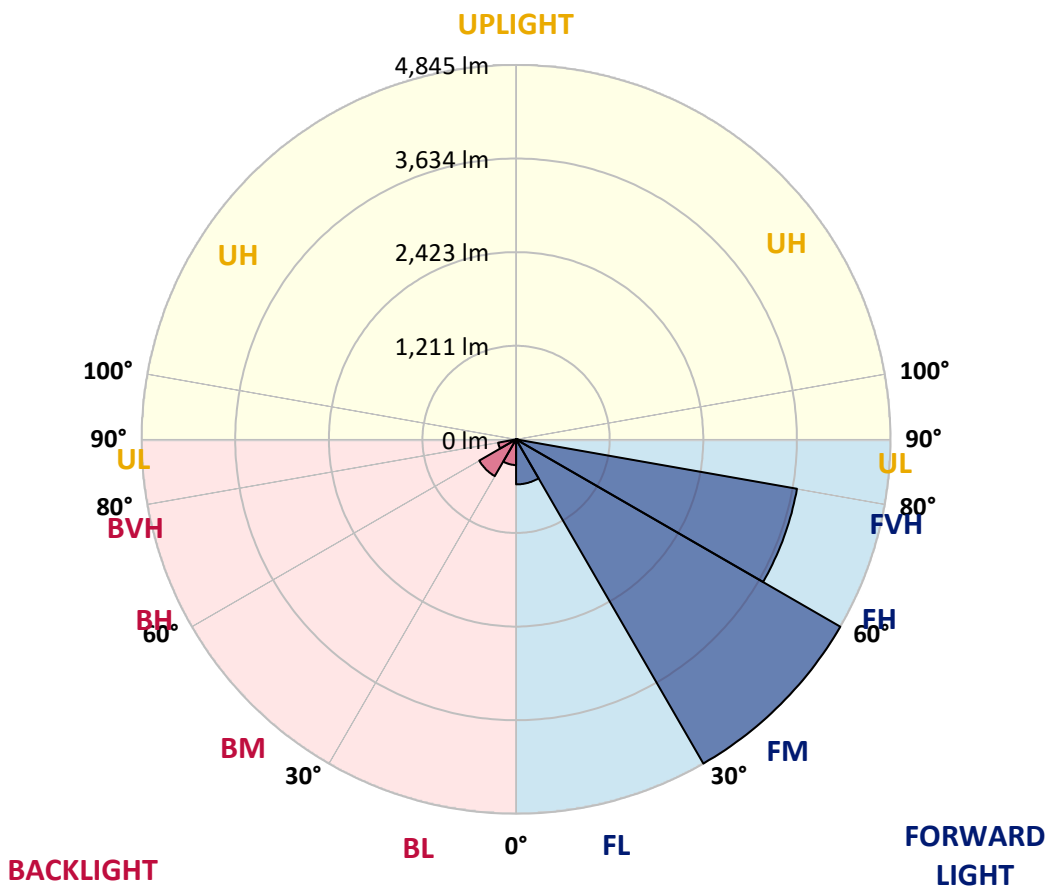
CATALOG NUMBER: GWS-SA3D-830-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.8	5.7			
FM (30°-60°)	4845.5	47.2			
FH (60°-80°)	3691.1	36.0			G2/5000
FVH (80°-90°)	24.1	0.2			G1/100
BL (0°-30°)	332.1	3.2	B1/500		
BM (30°-60°)	550.0	5.4	B1/1000		
BH (60°-80°)	236.3	2.3	B1/500		G1/500
BVH (80°-90°)	1.2	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: P635528

CATALOG NUMBER: GWS-SA3D-830-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4
2.5°	1097.3	1095.3	1095.3	1103.4	1104.4	1108.4	1117.4	1118.4	1123.4	1121.4	1114.4
5°	1040.2	1041.2	1047.2	1061.3	1073.3	1088.3	1110.4	1115.4	1126.4	1132.4	1128.4
7.5°	987.1	988.1	997.1	1019.2	1042.2	1072.3	1108.4	1118.4	1140.4	1156.5	1157.5
10°	967.1	966.1	975.1	1000.1	1030.2	1072.3	1124.4	1137.4	1170.5	1198.6	1203.6
12.5°	973.1	972.1	981.1	1004.1	1037.2	1090.3	1152.5	1170.5	1212.6	1255.7	1264.7
15°	997.1	996.1	1002.1	1021.2	1057.3	1112.4	1188.5	1215.6	1268.7	1320.8	1334.8
17.5°	1069.3	1064.3	1058.3	1060.3	1081.3	1138.4	1234.6	1267.7	1333.8	1396.0	1408.0
20°	1197.6	1184.5	1168.5	1147.4	1137.4	1176.5	1287.7	1325.8	1406.0	1477.1	1479.2
22.5°	1391.0	1386.0	1348.9	1287.7	1244.7	1245.7	1349.9	1394.0	1492.2	1570.3	1559.3
25°	1660.5	1657.5	1600.4	1500.2	1388.0	1349.9	1429.0	1474.1	1594.4	1677.6	1642.5
27.5°	1995.2	1974.2	1907.1	1771.8	1604.4	1485.2	1529.3	1569.3	1702.6	1780.8	1714.7
30°	2286.9	2287.9	2224.7	2083.4	1895.0	1688.6	1651.5	1686.6	1801.8	1884.0	1803.8
32.5°	2567.5	2576.5	2507.3	2380.1	2173.6	1954.2	1826.9	1832.9	1929.1	2018.3	1921.1
35°	2828.0	2835.0	2786.9	2678.7	2486.3	2231.8	2071.4	2068.4	2120.5	2211.7	2084.4
37.5°	3119.6	3126.7	3079.6	2982.4	2802.0	2549.4	2349.0	2345.0	2366.0	2440.2	2294.9
40°	3430.3	3443.3	3391.2	3309.0	3136.7	2923.2	2671.7	2635.6	2614.6	2701.8	2567.5
42.5°	3745.0	3765.0	3747.0	3664.8	3517.5	3341.1	3090.6	3034.5	2989.4	3098.6	2956.3
45°	4135.8	4159.9	4151.8	4088.7	3974.5	3831.2	3594.7	3529.5	3508.5	3609.7	3440.3
47.5°	4511.6	4537.7	4566.7	4552.7	4471.5	4405.4	4142.8	4105.7	4099.7	4208.0	3945.4
50°	4791.2	4815.3	4926.5	5006.7	5061.8	5047.8	4820.3	4765.1	4756.1	4825.3	4478.5
52.5°	4991.6	5014.7	5168.0	5418.5	5621.0	5731.2	5501.7	5489.7	5440.6	5416.5	4977.6
55°	5147.0	5179.0	5340.4	5719.2	6127.1	6371.6	6228.3	6185.2	6058.9	5920.6	5440.6
57.5°	5178.0	5191.1	5418.5	5929.6	6519.9	6915.7	6915.7	6840.6	6597.1	6405.6	5975.7
60°	4899.4	4939.5	5247.2	5912.6	6688.2	7271.5	7485.9	7433.8	7105.1	6869.6	6490.8
62.5°	4281.1	4326.2	4701.0	5504.7	6519.9	7344.6	7917.9	7909.8	7539.1	7253.4	6917.7
65°	3283.0	3316.1	3642.8	4604.8	5808.4	7063.0	8226.5	8248.6	7881.8	7507.0	7065.0
67.5°	1649.5	1672.6	2025.3	3145.7	4603.8	6252.3	8205.5	8303.7	7986.0	7372.7	6502.9
70°	576.2	599.3	765.6	1349.9	2802.0	4774.2	7496.0	7656.3	7373.7	6293.4	4797.2
72.5°	197.4	208.4	317.7	501.1	1090.3	2830.0	5700.1	5941.7	5435.6	4225.0	2756.9
75°	112.2	119.3	170.4	271.6	457.0	931.0	3233.9	3382.2	3168.7	2302.9	1134.4
77.5°	76.2	82.2	106.2	154.3	252.5	299.6	1318.8	1660.5	1448.1	751.6	289.6
80°	45.1	49.1	65.1	91.2	129.3	116.2	282.6	375.8	484.0	224.5	87.2
82.5°	21.0	24.1	42.1	60.1	65.1	49.1	83.2	101.2	136.3	110.2	36.1
85°	0.0	0.0	14.0	25.1	24.1	14.0	23.0	25.1	37.1	55.1	14.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0	6.0	11.0	6.0
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: P635528

CATALOG NUMBER: GWS-SA3D-830-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4	1118.4
2.5°	1122.4	1115.4	1123.4	1119.4	1123.4	1122.4	1114.4	1109.4	1109.4	1100.3	1097.3
5°	1136.4	1129.4	1131.4	1122.4	1120.4	1115.4	1105.4	1101.3	1101.3	1092.3	1089.3
7.5°	1167.5	1156.5	1154.5	1136.4	1128.4	1114.4	1096.3	1089.3	1088.3	1079.3	1076.3
10°	1216.6	1203.6	1194.5	1171.5	1148.4	1120.4	1082.3	1050.2	1032.2	1008.1	1006.1
12.5°	1276.7	1260.7	1246.7	1211.6	1173.5	1110.4	998.1	880.9	808.7	751.6	755.6
15°	1343.9	1328.8	1306.8	1253.7	1175.5	1011.2	776.7	596.3	508.1	461.0	459.0
17.5°	1417.0	1395.0	1358.9	1286.7	1112.4	772.6	505.1	356.8	310.7	294.6	290.6
20°	1485.2	1458.1	1413.0	1293.8	930.0	523.1	315.7	276.6	268.6	263.6	263.6
22.5°	1557.3	1523.2	1456.1	1239.6	691.5	334.7	268.6	259.6	253.5	246.5	245.5
25°	1630.5	1586.4	1495.2	1098.3	453.0	263.6	251.5	241.5	230.5	219.5	216.5
27.5°	1692.6	1635.5	1525.2	887.9	290.6	237.5	229.5	212.5	197.4	185.4	183.4
30°	1766.8	1693.6	1538.3	649.4	228.5	209.4	197.4	179.4	161.3	149.3	145.3
32.5°	1866.0	1785.8	1518.2	422.9	202.4	184.4	165.4	144.3	126.3	113.2	111.2
35°	2020.3	1925.1	1426.0	269.6	183.4	159.3	136.3	114.2	99.2	89.2	87.2
37.5°	2208.7	2120.5	1274.7	202.4	164.4	138.3	111.2	90.2	79.2	72.2	70.1
40°	2488.3	2365.0	1087.3	177.4	145.3	117.2	91.2	74.2	66.1	60.1	58.1
42.5°	2851.1	2653.7	871.9	161.3	127.3	98.2	74.2	61.1	54.1	50.1	49.1
45°	3275.0	2935.3	644.4	145.3	110.2	81.2	61.1	50.1	45.1	42.1	41.1
47.5°	3708.9	3181.8	444.9	128.3	94.2	67.1	51.1	43.1	39.1	35.1	34.1
50°	4171.9	3390.2	303.6	111.2	80.2	55.1	44.1	39.1	34.1	31.1	30.1
52.5°	4511.6	3467.4	211.5	96.2	68.1	47.1	39.1	35.1	31.1	27.1	26.1
55°	4825.3	3465.4	160.3	81.2	58.1	41.1	35.1	31.1	27.1	24.1	23.0
57.5°	5137.9	3438.3	126.3	69.1	50.1	37.1	31.1	27.1	25.1	21.0	20.0
60°	5340.4	3336.1	98.2	58.1	43.1	32.1	27.1	24.1	21.0	18.0	17.0
62.5°	5447.6	3193.8	75.2	46.1	35.1	28.1	24.1	21.0	18.0	15.0	14.0
65°	5302.3	2941.3	59.1	36.1	27.1	24.1	20.0	17.0	14.0	11.0	10.0
67.5°	4657.9	2480.3	46.1	29.1	21.0	18.0	17.0	14.0	10.0	8.0	7.0
70°	3292.0	1698.6	36.1	22.0	16.0	14.0	13.0	11.0	8.0	6.0	5.0
72.5°	1806.8	856.8	26.1	16.0	12.0	11.0	10.0	9.0	7.0	5.0	5.0
75°	695.5	235.5	19.0	11.0	8.0	8.0	7.0	7.0	6.0	4.0	4.0
77.5°	181.4	70.1	12.0	7.0	5.0	5.0	5.0	4.0	4.0	3.0	3.0
80°	58.1	23.0	7.0	5.0	4.0	3.0	3.0	2.0	3.0	2.0	2.0
82.5°	19.0	8.0	4.0	4.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
85°	7.0	4.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
87.5°	4.0	2.0	2.0	2.0	2.0	1.0	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)