

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: P632036

Luminaire Tested: GWS-SA2B-830-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-830-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4345.9 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

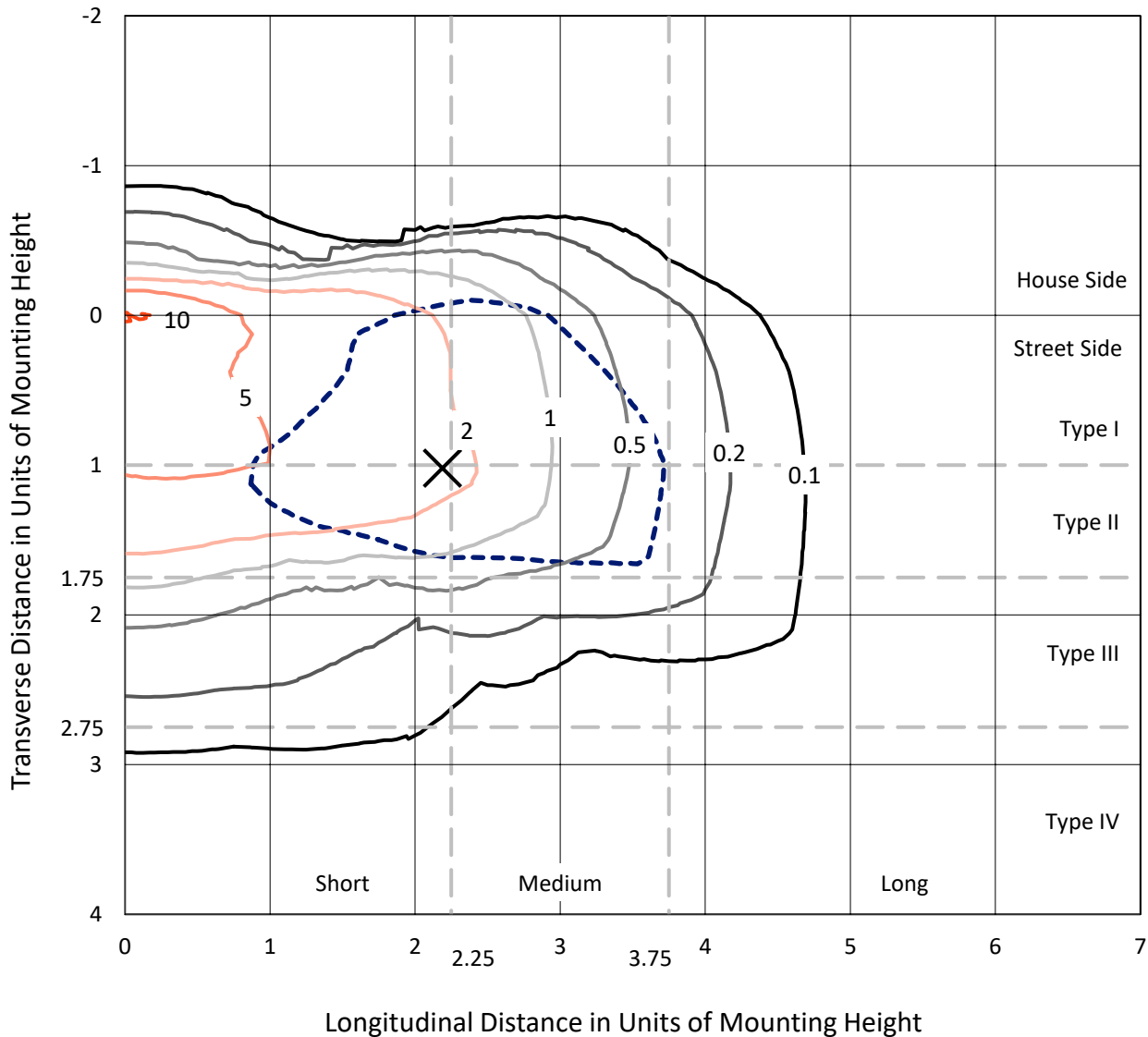
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

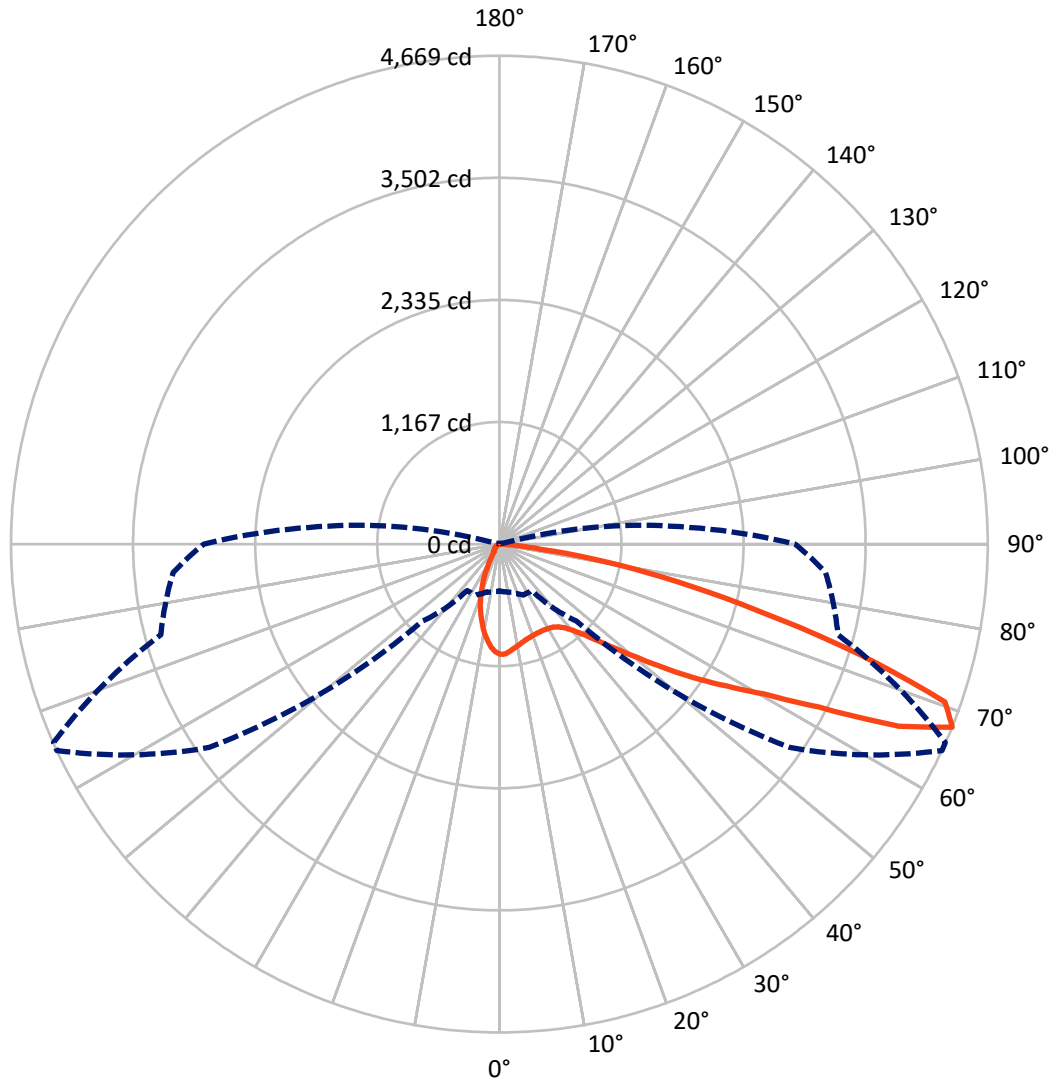
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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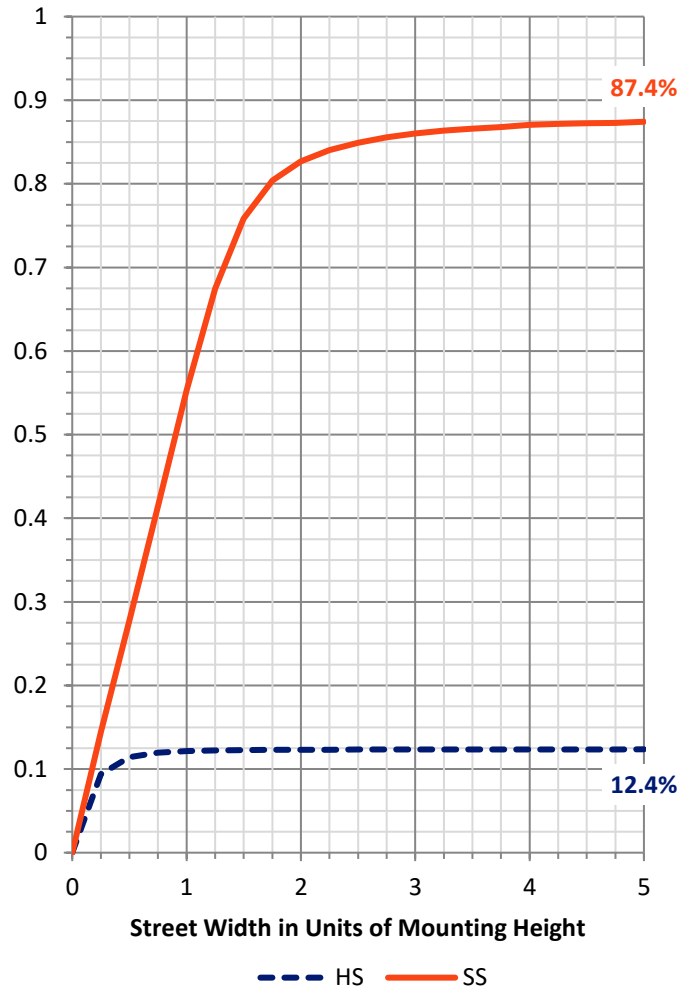
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	542.7	0.0	542.7
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	3803.2	0.0	3803.2
	% Fixture	87.5	0.0	87.5
Total	Lumens	4345.9	0.0	4345.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	2.0
10°-20°	196.8	4.5
20°-30°	281.2	6.5
30°-40°	409.1	9.4
40°-50°	640.7	14.7
50°-60°	999.6	23.0
60°-70°	1098.0	25.3
70°-80°	584.3	13.4
80°-90°	48.7	1.1
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°	4345.9	100.0
0°-180°	4345.9	100.0

Coefficient of Utilization



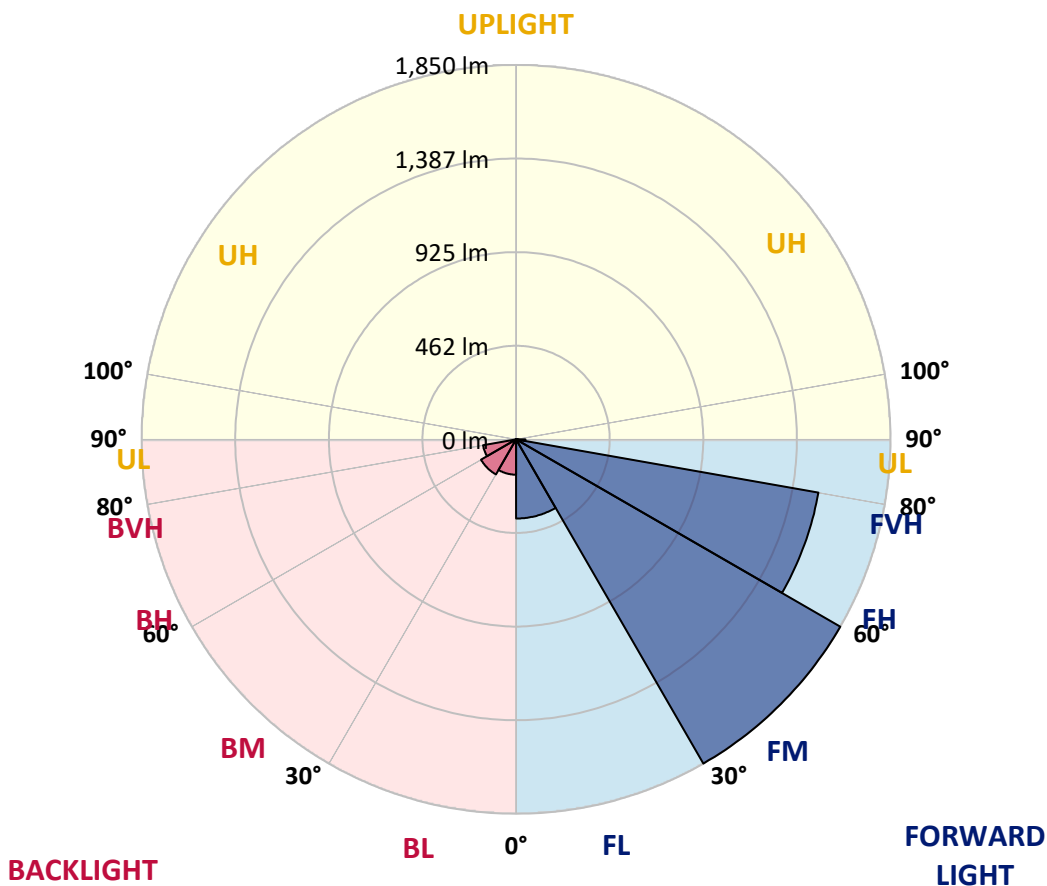
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	391.1	9.0			
FM (30°-60°)	1849.5	42.6			
FH (60°-80°)	1516.6	34.9			G1/1800
FVH (80°-90°)	46.0	1.1			G1/100
BL (0°-30°)	174.4	4.0	B1/500		
BM (30°-60°)	199.9	4.6	B0/220		
BH (60°-80°)	165.7	3.8	B1/500		G1/500
BVH (80°-90°)	2.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0
2.5°	1017.5	1020.6	1016.3	1026.9	1028.9	1040.7	1047.3	1052.1	1051.7	1057.6	1057.6
5°	957.7	960.9	958.5	969.9	979.0	997.4	1012.8	1030.4	1031.2	1049.3	1056.0
7.5°	907.0	907.4	907.4	921.6	933.4	956.2	979.0	1006.1	1009.2	1037.1	1054.8
10°	865.4	866.6	867.0	883.1	896.0	923.5	952.6	985.2	988.8	1026.5	1054.0
12.5°	836.7	837.1	838.7	855.6	869.7	898.4	927.9	965.2	969.9	1014.3	1050.5
15°	822.9	822.1	822.9	837.1	851.2	878.7	909.0	949.1	954.2	1004.1	1050.9
17.5°	822.1	821.0	820.2	830.8	839.8	864.2	894.9	938.5	944.0	999.4	1055.2
20°	833.5	832.8	828.8	833.5	835.5	855.6	885.8	930.2	935.7	998.6	1064.6
22.5°	863.4	861.4	855.6	851.2	840.6	852.4	879.5	924.3	930.6	1000.6	1076.8
25°	907.8	907.0	899.6	889.0	861.8	857.1	879.9	924.3	930.2	1002.9	1089.8
27.5°	974.6	969.9	960.5	942.0	903.1	875.6	887.8	926.7	932.6	1006.1	1100.4
30°	1042.6	1042.2	1039.1	1020.2	962.4	911.0	904.3	933.0	938.5	1008.8	1110.2
32.5°	1113.0	1114.1	1122.0	1107.5	1044.2	963.6	934.2	945.9	949.9	1014.3	1118.9
35°	1179.8	1182.1	1203.0	1208.1	1143.6	1043.4	982.9	971.9	972.3	1026.5	1130.3
37.5°	1243.8	1251.7	1285.1	1309.9	1267.4	1140.1	1053.2	1015.9	1012.8	1050.9	1147.6
40°	1316.5	1331.5	1373.5	1415.6	1402.2	1267.8	1149.1	1083.5	1076.8	1095.7	1178.6
42.5°	1397.1	1413.2	1469.0	1528.0	1534.3	1422.3	1269.0	1182.1	1170.7	1171.1	1236.8
45°	1483.6	1505.2	1570.0	1654.9	1693.0	1594.4	1416.8	1315.4	1304.0	1287.1	1330.3
47.5°	1597.1	1616.0	1678.5	1776.3	1849.4	1779.1	1610.5	1486.7	1465.9	1441.1	1475.7
50°	1695.0	1711.5	1765.3	1888.0	2040.0	2017.3	1830.2	1700.9	1680.8	1638.8	1667.5
52.5°	1716.6	1729.6	1779.1	1917.0	2185.8	2317.9	2099.4	1959.9	1945.7	1867.9	1878.9
55°	1619.5	1639.2	1683.6	1836.9	2224.0	2611.9	2448.8	2251.9	2222.4	2098.2	2117.9
57.5°	1374.3	1409.3	1450.9	1650.2	2120.6	2768.3	2936.9	2561.2	2534.4	2319.9	2320.3
60°	1007.3	1035.5	1063.4	1245.8	1875.4	2757.7	3379.8	2908.6	2859.8	2501.0	2494.4
62.5°	732.5	747.1	746.7	811.5	1287.9	2576.1	3612.4	3432.0	3318.5	2694.8	2656.7
65°	576.1	575.7	592.6	613.9	719.2	1988.6	3641.1	4196.4	4073.8	2954.6	2875.2
67.5°	448.4	457.1	474.0	536.4	540.4	1040.7	3388.8	4669.2	4666.8	3351.1	3131.0
70°	345.8	357.6	381.6	472.8	499.1	582.4	2535.6	4519.5	4557.6	3528.3	2949.8
72.5°	222.0	221.3	256.6	382.0	479.5	485.4	1402.2	3590.0	3633.3	3195.9	2385.1
75°	124.2	125.0	145.0	233.8	446.8	456.7	694.4	2560.0	2594.2	2491.6	1832.5
77.5°	48.7	50.3	68.0	123.0	294.7	407.9	412.6	1745.7	1750.8	1544.1	1124.0
80°	19.6	20.8	34.6	76.2	179.6	274.7	294.7	1028.5	1007.6	597.7	327.0
82.5°	5.9	6.3	13.8	43.2	93.9	195.3	198.9	394.6	372.6	128.5	83.3
85°	0.4	0.4	3.1	13.4	33.4	49.1	132.4	128.5	114.0	32.2	36.9
87.5°	0.0	0.0	0.4	0.4	0.8	1.6	14.1	23.6	24.0	5.9	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0	1054.0
2.5°	1057.6	1043.4	1042.2	1031.2	1020.2	1006.5	990.4	978.6	970.3	955.8	953.0
5°	1056.0	1037.1	1019.4	988.0	953.0	915.3	882.3	851.6	832.4	819.4	813.9
7.5°	1052.8	1028.9	988.0	928.7	870.1	804.1	752.6	705.4	673.2	654.3	646.1
10°	1050.5	1018.3	951.8	861.8	771.1	679.9	601.7	531.7	492.8	462.2	457.1
12.5°	1045.8	1002.9	905.5	783.6	666.5	545.5	445.7	360.0	300.6	273.9	264.5
15°	1041.0	986.8	859.1	701.1	552.6	403.2	282.2	199.6	158.8	146.2	145.4
17.5°	1040.3	972.3	808.8	622.9	433.1	264.1	160.7	129.3	120.7	117.5	117.5
20°	1042.6	960.1	759.3	532.9	315.6	160.7	119.9	112.0	106.9	104.1	104.1
22.5°	1045.0	947.5	711.7	442.1	209.5	117.5	105.7	99.0	93.1	90.0	88.4
25°	1046.6	933.8	659.1	350.9	136.8	102.2	92.7	84.1	77.0	73.1	73.1
27.5°	1046.2	917.3	606.0	261.7	106.1	90.8	79.4	70.3	63.3	58.9	59.3
30°	1043.0	899.2	551.0	182.7	92.7	79.4	68.0	58.6	51.5	47.9	47.6
32.5°	1040.7	879.9	487.3	128.5	83.3	69.6	57.8	48.7	42.8	40.1	39.7
35°	1037.9	861.1	426.8	97.9	75.1	60.1	48.7	41.3	36.5	34.2	34.2
37.5°	1038.7	841.4	361.2	84.1	66.8	52.3	41.7	35.4	31.4	29.1	28.7
40°	1050.9	829.6	296.7	76.2	59.3	45.2	36.2	30.7	26.7	24.4	24.0
42.5°	1081.1	830.0	235.0	70.3	52.7	38.5	31.4	26.3	22.8	20.0	19.6
45°	1141.7	846.5	180.4	64.1	45.6	33.4	27.1	22.4	18.9	16.5	16.1
47.5°	1240.7	895.6	136.8	58.6	39.7	29.1	23.2	18.9	15.7	13.8	13.4
50°	1398.3	984.5	107.7	51.9	33.4	25.2	19.6	15.7	13.0	11.0	10.6
52.5°	1587.7	1117.7	92.4	46.0	28.7	22.0	16.9	13.0	10.6	9.0	8.6
55°	1805.4	1276.8	85.3	40.1	24.4	18.9	13.8	10.6	8.6	7.5	6.7
57.5°	2005.1	1420.3	84.9	34.2	20.8	16.1	11.4	9.0	7.5	5.9	5.5
60°	2199.6	1540.2	79.8	28.3	18.1	13.4	9.8	7.5	6.3	5.1	4.7
62.5°	2376.1	1637.6	66.8	22.8	15.3	11.0	8.3	6.7	5.5	4.3	4.3
65°	2597.7	1761.8	51.1	18.5	12.6	9.0	7.1	5.9	5.1	3.9	3.9
67.5°	2826.8	1827.4	36.5	15.3	10.2	7.9	6.3	5.5	4.3	3.5	3.5
70°	2560.4	1544.1	26.3	12.6	8.6	6.7	5.5	5.1	4.3	3.5	3.1
72.5°	1999.6	1113.4	19.6	9.8	7.5	6.3	5.1	4.7	3.9	3.1	3.1
75°	1482.8	649.2	14.9	7.9	5.9	5.1	5.1	4.7	3.9	3.1	2.8
77.5°	806.0	226.4	11.4	6.3	4.7	3.9	4.3	4.3	3.5	2.8	2.4
80°	213.4	62.1	7.9	4.7	3.9	3.1	3.1	3.9	3.1	2.4	2.4
82.5°	62.1	18.1	5.5	3.9	3.1	2.8	2.8	2.8	2.4	2.0	1.6
85°	30.3	6.7	3.9	3.1	2.8	2.4	2.0	2.0	1.6	1.2	1.2
87.5°	13.4	2.8	3.1	2.8	2.8	2.0	1.6	1.2	1.2	0.8	0.4
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)