

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: P632391

Luminaire Tested: GWS-SA2C-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5846.2 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

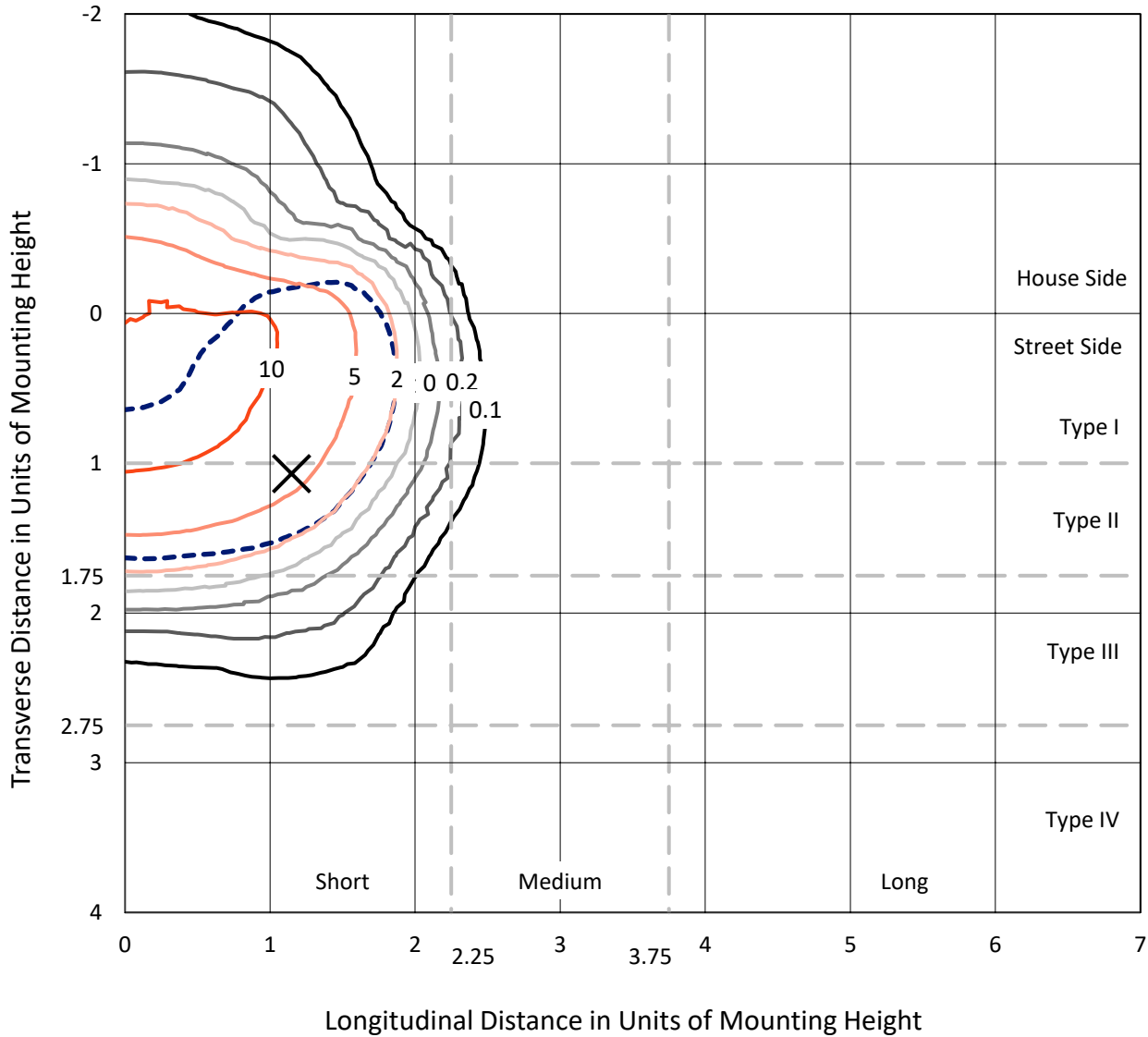
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

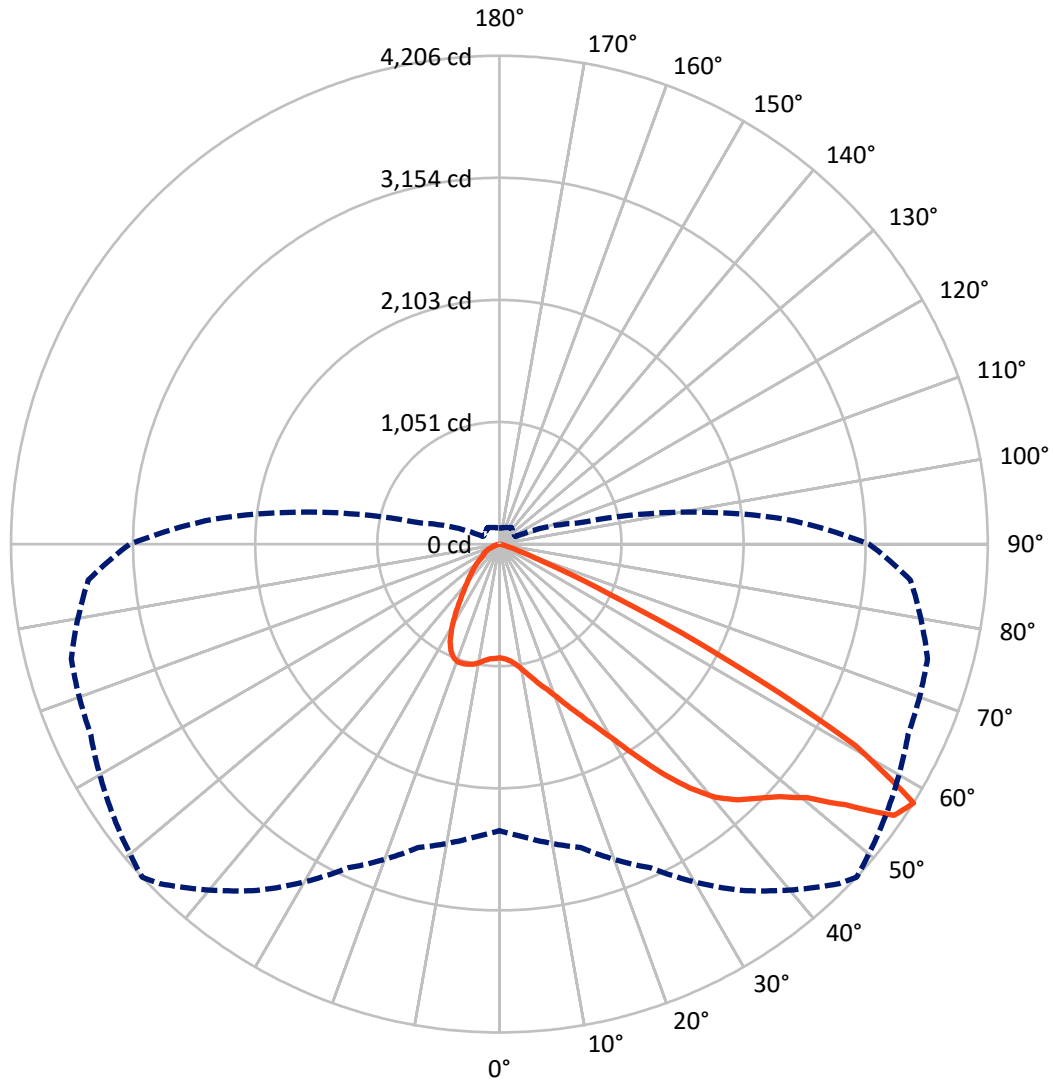
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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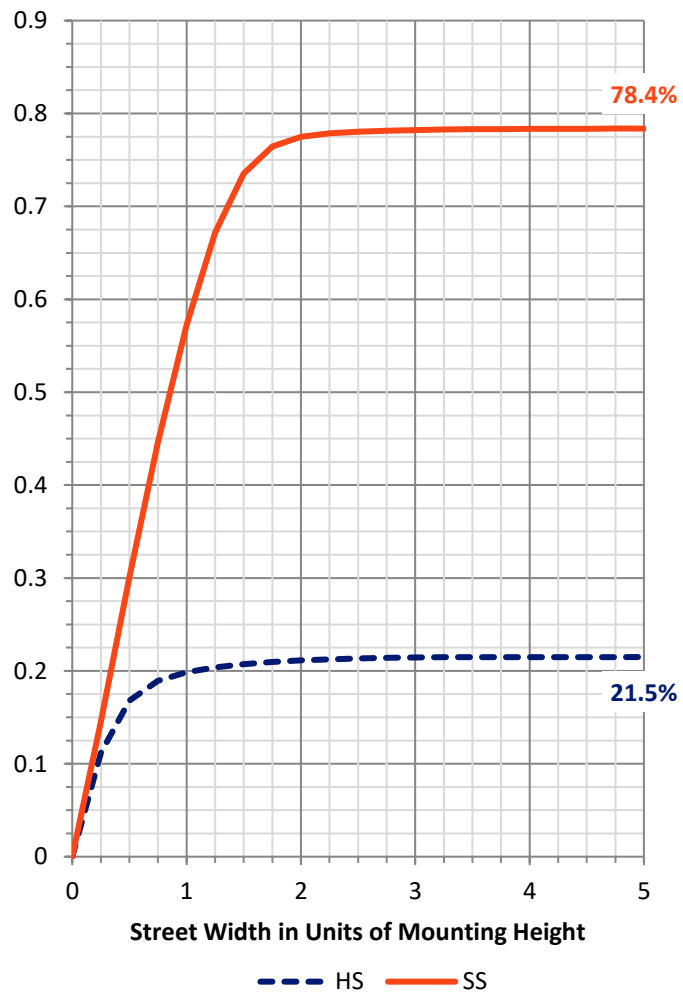
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1268.3	0.0	1268.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4577.9	0.0	4577.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	5846.2	0.0	5846.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	1.7
10°-20°	328.5	5.6
20°-30°	610.0	10.4
30°-40°	976.5	16.7
40°-50°	1427.4	24.4
50°-60°	1761.7	30.1
60°-70°	588.7	10.1
70°-80°	54.9	0.9
80°-90°	1.2	0.0
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°	5846.2	100.0
0°-180°	5846.2	100.0

Coefficient of Utilization



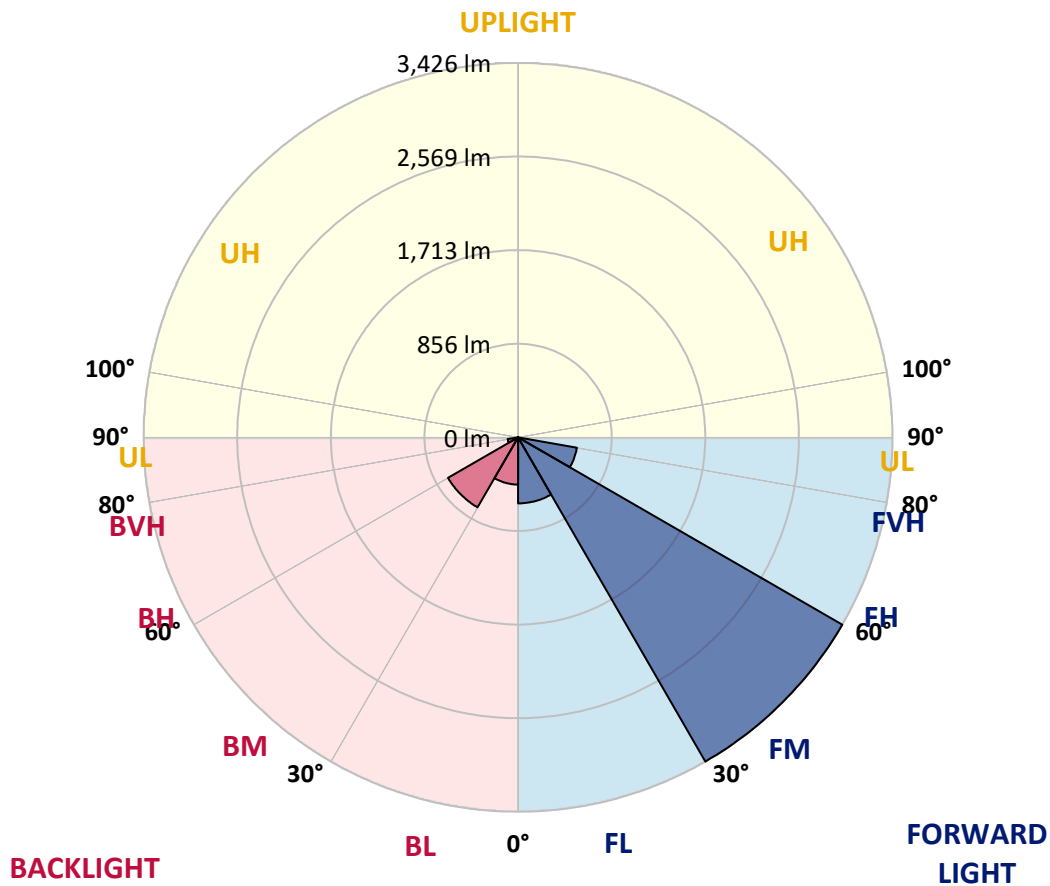
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	604.2	10.3			
FM (30°-60°)	3425.8	58.6			
FH (60°-80°)	547.1	9.4			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	431.7	7.4	B1/500		
BM (30°-60°)	739.8	12.7	B1/1000		
BH (60°-80°)	96.4	1.6	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: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	978.7	978.7	978.7	978.7	978.7	978.7	978.7	978.7	978.7	978.7	978.7
2.5°	988.8	988.2	987.5	991.6	990.2	989.5	990.9	990.9	990.9	986.8	978.7
5°	1012.6	1012.6	1011.9	1016.0	1012.6	1010.6	1011.2	1011.2	1008.5	1001.1	990.9
7.5°	1049.9	1048.6	1047.2	1051.3	1047.9	1047.2	1048.6	1044.5	1039.7	1027.5	1013.3
10°	1103.5	1103.5	1101.5	1105.6	1102.9	1101.5	1101.5	1098.8	1090.0	1071.0	1049.9
12.5°	1177.5	1174.1	1169.4	1166.0	1164.6	1163.9	1164.6	1160.5	1151.0	1126.6	1097.4
15°	1258.3	1255.6	1248.1	1242.7	1235.2	1233.8	1237.9	1234.5	1225.0	1191.8	1150.4
17.5°	1360.1	1363.5	1344.5	1332.9	1311.2	1309.9	1311.2	1316.6	1309.9	1267.1	1206.7
20°	1447.0	1449.7	1435.4	1427.3	1407.6	1398.8	1401.5	1410.3	1402.8	1352.6	1268.5
22.5°	1539.9	1543.3	1528.4	1511.4	1502.6	1502.6	1512.8	1525.0	1514.8	1449.0	1339.0
25°	1651.2	1653.9	1641.7	1619.3	1603.7	1623.4	1638.3	1670.9	1653.9	1564.4	1422.5
27.5°	1778.8	1779.5	1761.9	1738.8	1730.6	1767.3	1782.2	1832.4	1825.7	1694.0	1510.7
30°	1915.2	1915.9	1911.8	1896.2	1888.8	1937.0	1957.3	2029.9	2025.2	1854.8	1630.9
32.5°	2057.1	2057.1	2064.6	2063.2	2072.0	2150.7	2183.3	2266.1	2261.4	2051.7	1780.2
35°	2199.6	2200.3	2213.2	2245.8	2282.4	2386.9	2429.7	2530.1	2519.3	2287.2	1970.9
37.5°	2361.8	2355.0	2372.7	2421.5	2503.0	2623.8	2664.5	2760.2	2748.0	2528.1	2220.0
40°	2557.3	2545.1	2545.1	2602.1	2694.4	2833.5	2868.1	2915.6	2874.2	2722.9	2464.3
42.5°	2773.1	2761.6	2746.6	2796.9	2874.2	2982.8	3011.3	2998.4	2964.5	2906.8	2742.6
45°	2991.6	2974.0	2984.2	3014.7	3059.5	3111.1	3121.9	3062.2	3046.6	3062.9	2972.6
47.5°	3157.9	3145.7	3170.8	3213.6	3250.2	3257.7	3250.2	3167.4	3166.1	3223.7	3132.1
50°	3213.6	3214.9	3284.1	3377.8	3436.8	3443.0	3432.8	3337.8	3324.9	3341.8	3218.3
52.5°	3219.0	3224.4	3325.5	3504.0	3664.9	3738.2	3730.0	3627.6	3501.3	3483.0	3348.6
55°	3088.0	3119.9	3261.1	3521.7	3863.7	4097.9	4125.0	3928.9	3741.6	3726.0	3628.9
57.5°	2468.4	2533.5	2703.9	3075.1	3641.8	4135.2	4205.8	4064.6	3883.4	3816.9	3553.6
60°	1475.5	1556.2	1719.8	2175.2	2771.7	3398.8	3520.3	3540.0	3456.5	3264.5	2726.3
62.5°	633.2	626.4	828.0	1176.8	1648.5	2160.2	2215.2	2300.7	2373.4	2172.5	1654.6
65°	217.2	236.2	328.5	530.7	825.3	1003.1	1052.0	1128.6	1231.8	1016.7	606.1
67.5°	134.4	142.5	189.4	313.6	445.2	438.4	416.7	404.5	393.6	269.4	166.3
70°	97.7	104.5	133.0	215.8	299.3	210.4	182.6	148.0	164.2	151.3	118.1
72.5°	65.8	71.3	91.6	131.0	153.4	102.5	95.0	107.9	130.3	124.2	96.4
75°	39.4	42.8	52.3	63.8	62.4	52.9	53.6	76.0	99.8	93.0	68.5
77.5°	27.1	28.5	34.6	41.4	30.5	16.3	14.9	21.0	33.9	33.9	23.1
80°	6.8	8.8	8.8	5.4	4.8	4.1	4.1	6.1	9.5	6.8	3.4
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
87.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
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°	978.7	978.7	978.7	978.7	978.7	978.7	978.7	978.7	978.7	978.7	978.7
2.5°	983.4	975.3	980.7	979.3	983.4	984.8	978.7	977.3	978.0	969.8	967.1
5°	992.9	983.4	986.1	983.4	988.2	992.2	990.2	992.9	996.3	990.2	987.5
7.5°	1013.3	1003.8	1003.1	999.0	1005.8	1008.5	1007.8	1015.3	1022.1	1018.0	1014.0
10°	1048.6	1035.7	1034.3	1030.9	1033.0	1035.0	1027.5	1028.9	1035.0	1030.2	1028.2
12.5°	1092.0	1076.4	1073.0	1064.9	1064.9	1054.7	1038.4	1035.0	1039.7	1036.3	1033.0
15°	1138.8	1117.8	1112.4	1098.1	1084.5	1065.5	1048.6	1044.5	1047.9	1043.8	1041.1
17.5°	1191.1	1167.3	1149.7	1124.6	1094.7	1072.3	1053.3	1044.5	1039.1	1030.9	1030.2
20°	1242.7	1211.4	1181.6	1141.5	1102.2	1068.2	1037.0	1014.0	994.3	982.1	977.3
22.5°	1302.4	1256.2	1208.1	1151.7	1095.4	1043.8	988.8	949.5	915.5	904.0	898.6
25°	1366.2	1306.5	1234.5	1161.2	1072.3	989.5	914.9	856.5	811.7	796.8	790.7
27.5°	1436.8	1354.7	1261.7	1159.2	1024.8	912.1	813.1	740.4	696.3	682.8	687.5
30°	1526.4	1417.1	1295.6	1138.2	953.5	803.6	687.5	626.4	593.2	580.3	581.0
32.5°	1645.8	1506.7	1345.1	1093.4	861.9	680.0	578.2	533.4	511.0	494.1	492.7
35°	1816.8	1643.1	1391.3	1021.4	750.6	570.1	496.1	460.8	429.6	409.9	413.3
37.5°	2021.8	1814.8	1416.4	924.4	625.7	484.6	434.4	398.4	363.1	333.9	337.3
40°	2264.8	2039.4	1414.4	796.8	511.7	426.2	382.8	340.7	296.6	270.1	272.8
42.5°	2535.6	2251.9	1370.3	661.7	424.2	378.7	333.2	280.3	237.5	221.3	221.9
45°	2770.4	2424.3	1292.9	521.9	357.0	332.6	281.7	227.4	208.4	196.8	196.1
47.5°	2944.1	2550.5	1182.3	410.6	302.7	290.5	231.4	203.6	188.7	179.2	177.8
50°	3041.2	2594.6	1060.1	321.7	255.9	246.4	207.0	184.6	174.4	168.3	167.0
52.5°	3171.5	2647.5	972.6	253.8	214.5	201.6	190.7	171.7	164.9	160.2	158.1
55°	3377.8	2750.0	896.5	201.6	178.5	175.8	179.9	164.2	160.2	152.7	150.0
57.5°	3183.7	2470.4	696.3	156.1	150.7	160.8	173.7	156.8	146.6	139.8	137.1
60°	2240.3	1642.4	350.2	125.6	134.4	150.7	163.6	141.8	131.7	133.0	131.7
62.5°	1235.2	821.9	157.5	105.2	116.7	133.0	139.8	122.8	116.1	127.6	129.6
65°	403.8	279.6	90.9	81.4	92.3	108.6	120.8	116.7	115.4	128.9	133.0
67.5°	124.2	92.3	61.8	58.4	63.8	80.1	101.8	126.2	135.7	139.8	141.8
70°	93.0	72.6	52.9	49.5	52.3	61.1	86.2	105.2	99.1	99.8	98.4
72.5°	74.7	57.7	45.5	43.4	43.4	42.1	45.5	57.0	64.5	67.9	67.9
75°	52.3	40.7	34.6	31.9	25.1	20.4	18.3	18.3	16.3	15.6	14.9
77.5°	17.6	14.9	13.6	10.9	7.5	6.1	5.4	4.8	3.4	2.0	1.4
80°	2.7	2.0	1.4	1.4	1.4	0.7	0.7	0.7	0.0	0.0	0.0
82.5°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	0.7	0.7	0.7	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)