

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: P630351

Luminaire Tested: GWS-SA1D-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6016.2 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

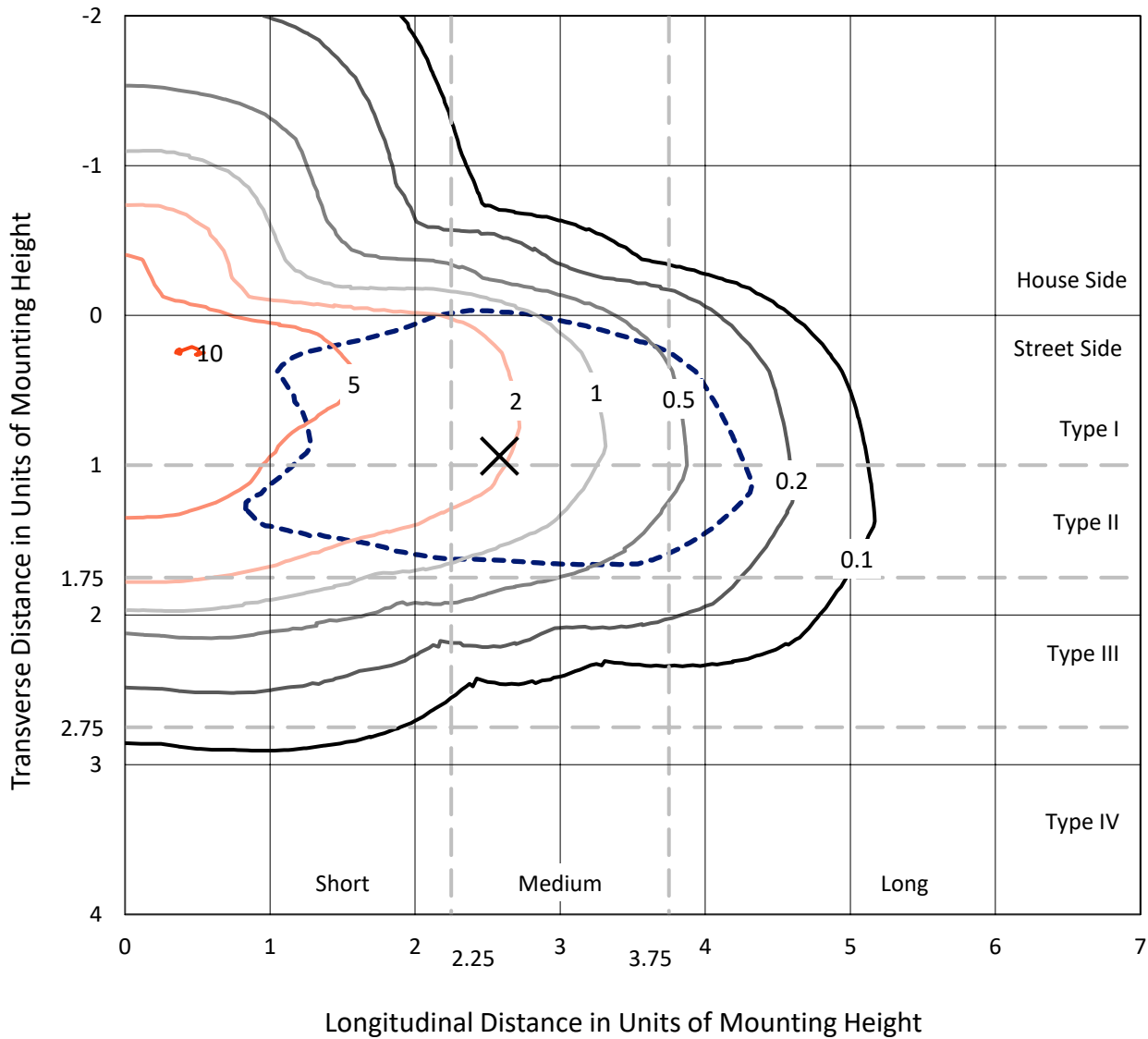
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

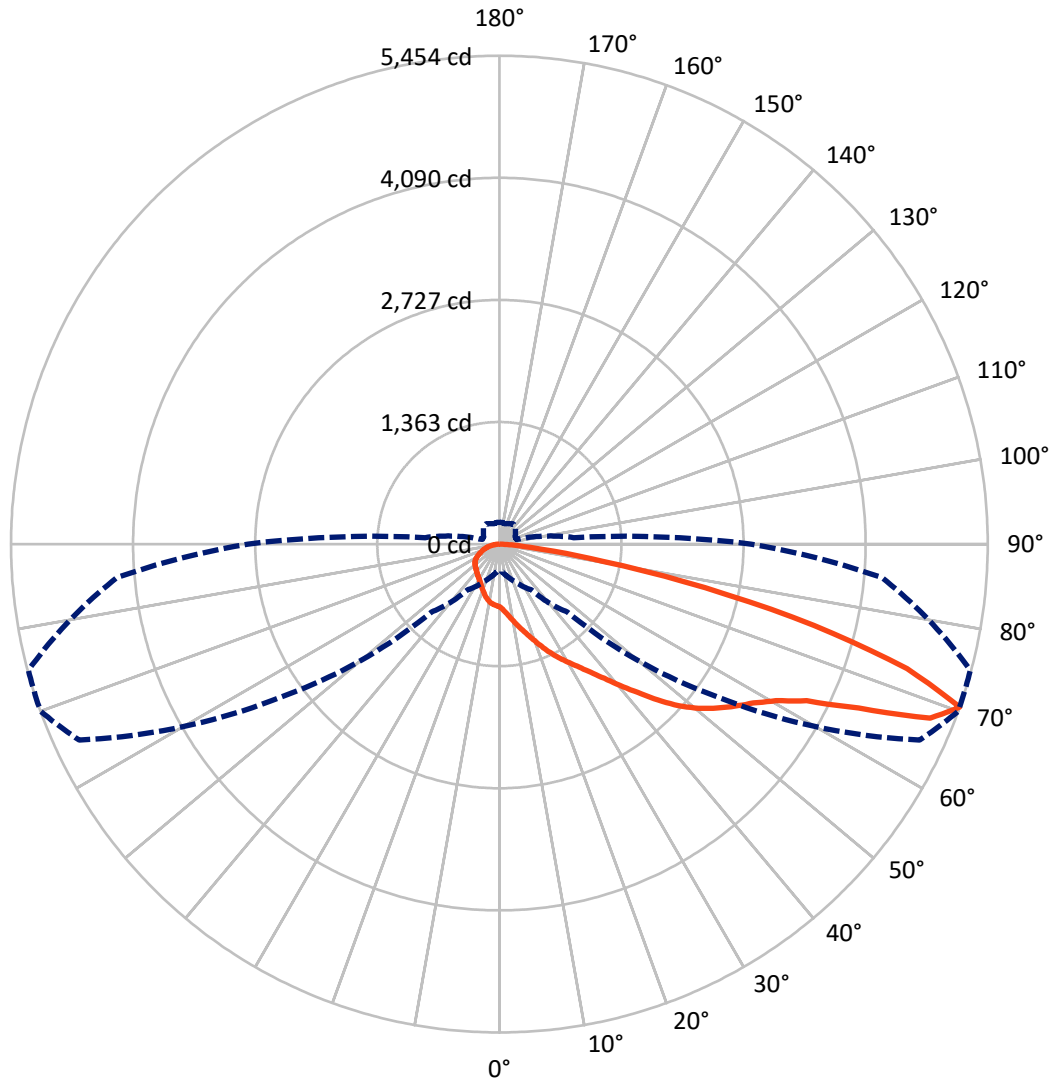
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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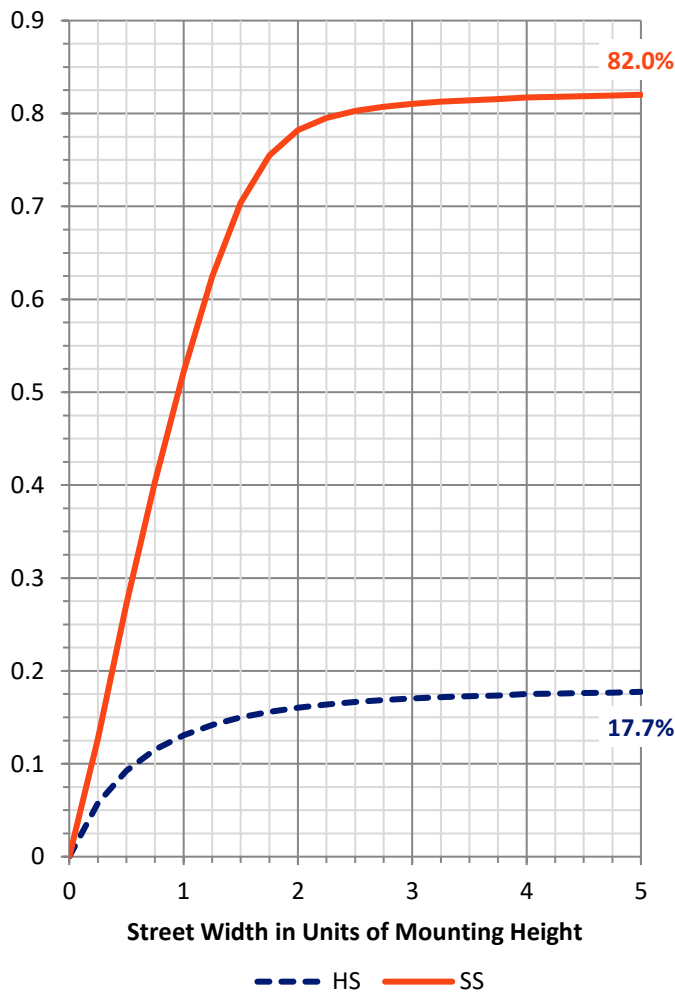
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1078.1	0.0	1078.1
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	4938.1	0.0	4938.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	6016.2	0.0	6016.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.2
10°-20°	232.0	3.9
20°-30°	411.0	6.8
30°-40°	618.5	10.3
40°-50°	935.7	15.6
50°-60°	1340.4	22.3
60°-70°	1481.7	24.6
70°-80°	836.2	13.9
80°-90°	89.4	1.5
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°	6016.2	100.0
0°-180°	6016.2	100.0

Coefficient of Utilization



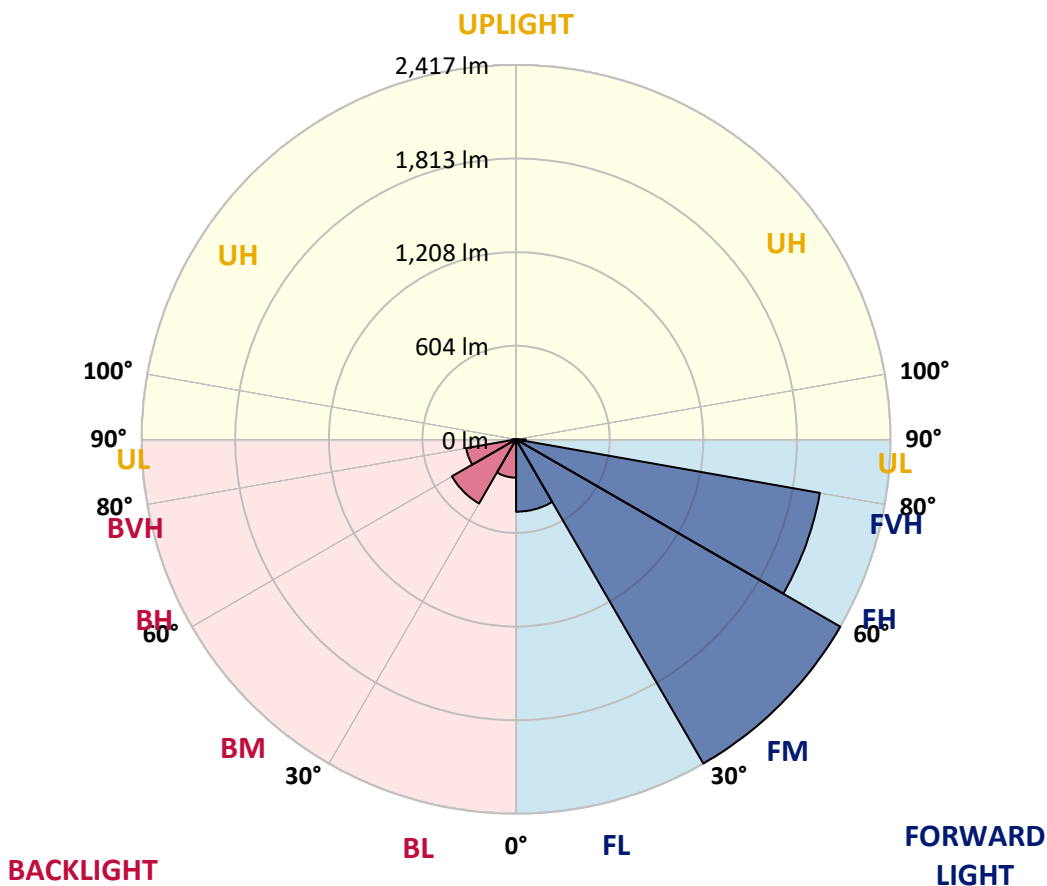
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	467.0	7.8			
FM (30°-60°)	2416.7	40.2			
FH (60°-80°)	1991.1	33.1			G2/5000
FVH (80°-90°)	63.2	1.1			G1/100
BL (0°-30°)	247.2	4.1	B1/500		
BM (30°-60°)	477.9	7.9	B1/1000		
BH (60°-80°)	326.8	5.4	B1/500		G1/500
BVH (80°-90°)	26.2	0.4			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	701.6	701.6	701.6	701.6	701.6	701.6	701.6	701.6	701.6	701.6	701.6
2.5°	777.3	775.9	776.8	775.9	771.2	759.4	749.9	737.7	729.4	724.7	713.4
5°	868.5	867.2	864.2	859.8	851.2	835.1	811.2	784.6	768.6	756.4	732.5
7.5°	934.2	934.2	933.7	928.5	922.4	905.5	877.2	842.5	819.0	798.1	759.0
10°	967.7	969.8	972.9	980.3	979.0	969.8	943.3	905.9	876.4	852.0	793.8
12.5°	985.9	987.2	992.4	1007.6	1023.3	1025.5	1009.8	970.7	938.5	905.9	832.5
15°	1009.4	1009.8	1016.8	1035.0	1058.1	1081.1	1077.2	1038.1	1005.0	969.0	875.5
17.5°	1027.6	1030.7	1043.3	1064.6	1093.3	1125.0	1144.1	1119.8	1078.9	1037.6	922.4
20°	1034.2	1036.3	1052.9	1085.5	1124.6	1169.4	1212.0	1205.4	1164.1	1115.5	975.5
22.5°	1057.6	1057.6	1069.8	1097.2	1143.3	1208.5	1277.6	1294.6	1258.0	1201.1	1032.4
25°	1109.4	1107.6	1113.3	1124.6	1159.4	1239.8	1342.4	1393.2	1352.4	1288.5	1089.4
27.5°	1180.2	1179.4	1178.9	1180.7	1192.4	1267.2	1397.1	1485.4	1444.5	1372.4	1140.2
30°	1257.2	1254.6	1260.2	1255.0	1252.4	1299.8	1443.7	1568.0	1536.2	1455.4	1182.4
32.5°	1361.9	1357.1	1355.8	1338.9	1328.5	1350.6	1481.0	1661.9	1636.7	1544.9	1229.8
35°	1500.2	1495.8	1473.6	1446.7	1415.8	1426.3	1527.6	1753.6	1755.3	1657.1	1291.9
37.5°	1639.7	1640.6	1623.2	1559.7	1528.0	1521.9	1598.4	1865.3	1902.7	1791.0	1372.4
40°	1755.8	1761.0	1761.0	1694.0	1646.7	1641.0	1698.0	1997.9	2072.2	1955.3	1474.1
42.5°	1844.0	1848.8	1864.0	1815.8	1765.8	1785.3	1818.8	2130.9	2264.4	2158.3	1602.8
45°	1941.0	1944.9	1953.1	1925.3	1896.2	1948.3	1955.7	2290.0	2484.3	2386.1	1752.3
47.5°	2069.6	2066.2	2067.0	2046.6	2024.0	2108.3	2106.6	2423.9	2696.9	2635.6	1914.4
50°	2229.6	2236.1	2230.0	2189.6	2163.1	2240.0	2250.0	2572.1	2883.8	2882.5	2077.9
52.5°	2383.5	2386.1	2418.3	2420.0	2365.7	2349.6	2375.7	2721.7	3041.6	3108.6	2234.8
55°	2391.3	2401.3	2497.8	2567.4	2655.2	2526.1	2502.6	2864.3	3194.2	3329.8	2397.8
57.5°	2224.8	2240.9	2404.8	2554.8	2799.1	2829.1	2719.9	3048.6	3346.8	3547.6	2586.5
60°	1869.2	1902.7	2125.3	2354.8	2734.3	3046.8	3164.7	3299.0	3547.2	3770.2	2815.6
62.5°	1193.7	1206.7	1518.9	1903.1	2442.6	3025.5	3648.9	3740.2	3852.4	4060.1	3168.6
65°	597.7	639.5	822.5	1135.9	1761.4	2666.0	3893.7	4548.3	4410.9	4556.6	3740.6
67.5°	405.6	419.1	511.6	682.5	1032.9	1888.8	3741.9	5229.1	5188.6	5212.5	4350.5
70°	299.1	307.8	380.8	483.4	624.7	1072.4	2979.0	5177.8	5453.8	5445.1	4286.6
72.5°	218.2	222.6	277.8	369.1	463.0	554.7	1819.2	4182.7	4760.9	5011.7	3748.9
75°	158.7	163.9	193.0	276.0	359.9	346.0	898.1	3021.2	3630.7	4113.2	3054.2
77.5°	118.2	124.8	138.2	173.0	252.1	247.8	388.2	1961.8	2348.3	2686.5	1855.3
80°	85.2	86.5	94.3	110.8	160.0	145.2	184.7	1022.9	1172.8	1285.0	727.3
82.5°	51.7	53.0	63.0	68.2	99.1	91.3	96.1	331.2	474.7	503.8	271.7
85°	15.2	16.1	28.7	31.3	41.3	39.1	38.7	134.8	160.8	205.6	106.9
87.5°	0.0	0.0	0.0	0.0	0.4	2.6	4.8	23.9	36.1	50.0	26.1
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°	701.6	701.6	701.6	701.6	701.6	701.6	701.6	701.6	701.6	701.6	701.6
2.5°	709.0	699.0	693.8	684.7	678.1	671.6	665.1	659.0	656.4	652.5	653.4
5°	721.6	706.0	690.3	672.5	657.3	644.7	633.4	623.4	619.0	615.1	616.8
7.5°	740.7	717.3	687.3	654.7	630.8	613.4	601.6	594.7	592.5	589.5	589.5
10°	765.1	729.9	677.3	630.8	602.1	588.2	582.9	582.5	584.7	585.1	584.2
12.5°	792.0	742.0	662.5	602.5	578.2	573.8	577.7	585.1	592.5	596.4	595.5
15°	819.9	749.9	637.3	575.5	560.8	566.4	579.0	593.8	608.2	615.5	615.1
17.5°	845.9	751.6	604.7	549.5	545.6	559.9	581.6	604.7	624.2	634.7	635.1
20°	875.1	748.6	571.2	526.0	530.3	553.8	582.5	610.3	633.4	643.8	646.4
22.5°	901.6	738.1	538.6	503.8	517.3	546.4	575.5	601.6	622.1	632.1	635.5
25°	925.5	718.1	503.0	485.1	507.3	536.0	558.2	576.4	590.8	596.8	601.6
27.5°	938.5	688.1	476.0	470.4	497.7	521.2	533.4	539.0	543.8	542.1	545.6
30°	941.1	650.8	452.5	458.6	483.4	500.8	503.4	497.7	489.5	476.0	479.0
32.5°	938.5	607.7	433.0	446.0	467.3	477.7	474.3	459.5	439.5	418.6	419.9
35°	939.4	564.2	416.9	432.1	448.6	454.3	445.6	425.1	403.8	384.7	383.8
37.5°	949.0	527.7	403.4	418.6	430.4	431.2	421.7	400.4	389.5	375.2	373.4
40°	975.5	500.8	391.2	405.1	412.5	412.1	401.2	386.0	393.4	388.6	387.3
42.5°	1018.9	484.3	381.2	390.8	396.0	396.9	388.2	378.6	394.7	388.6	386.5
45°	1088.9	483.4	374.3	376.5	384.7	390.8	384.7	373.8	379.9	350.4	344.7
47.5°	1172.0	498.2	369.1	363.8	378.2	389.1	379.5	362.1	349.5	322.6	318.6
50°	1271.9	528.2	364.3	350.4	368.6	382.5	373.0	349.1	329.9	315.6	313.4
52.5°	1390.6	567.7	358.2	335.2	354.3	379.1	373.0	347.8	322.6	309.5	307.3
55°	1514.9	613.4	351.2	316.9	338.2	379.9	376.0	338.6	316.9	309.9	308.2
57.5°	1669.3	668.1	338.6	295.6	323.9	372.1	363.8	333.4	313.0	307.3	305.6
60°	1869.7	749.4	314.7	273.9	307.3	358.2	353.0	324.7	302.6	297.8	296.5
62.5°	2187.0	887.2	285.6	253.0	287.8	329.1	336.9	308.2	289.5	289.1	288.6
65°	2704.3	1052.9	251.3	234.3	267.3	305.2	315.6	291.3	276.0	280.8	280.4
67.5°	3066.8	1067.2	223.0	214.7	243.4	279.1	294.3	273.9	257.3	266.5	266.0
70°	2809.1	832.5	198.7	194.3	217.8	250.8	271.3	252.1	235.6	244.3	242.6
72.5°	2369.1	638.1	175.6	173.0	191.7	221.3	241.7	230.4	213.0	213.0	209.1
75°	1904.0	526.4	151.3	150.0	162.6	191.3	214.3	195.2	179.1	178.2	175.6
77.5°	1092.0	345.2	126.9	126.1	130.0	160.0	166.5	162.6	150.4	144.8	143.0
80°	435.1	179.5	100.0	94.3	98.2	117.4	131.3	124.8	114.3	107.4	103.5
82.5°	168.7	90.0	70.4	61.7	67.4	84.8	95.2	93.0	86.1	70.4	66.1
85°	68.7	43.9	42.2	35.6	39.1	45.6	54.8	47.4	39.1	27.8	26.5
87.5°	18.3	16.1	15.6	9.6	7.4	2.2	0.4	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)