

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: P631129

Luminaire Tested: GWS-SA1F-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6210 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

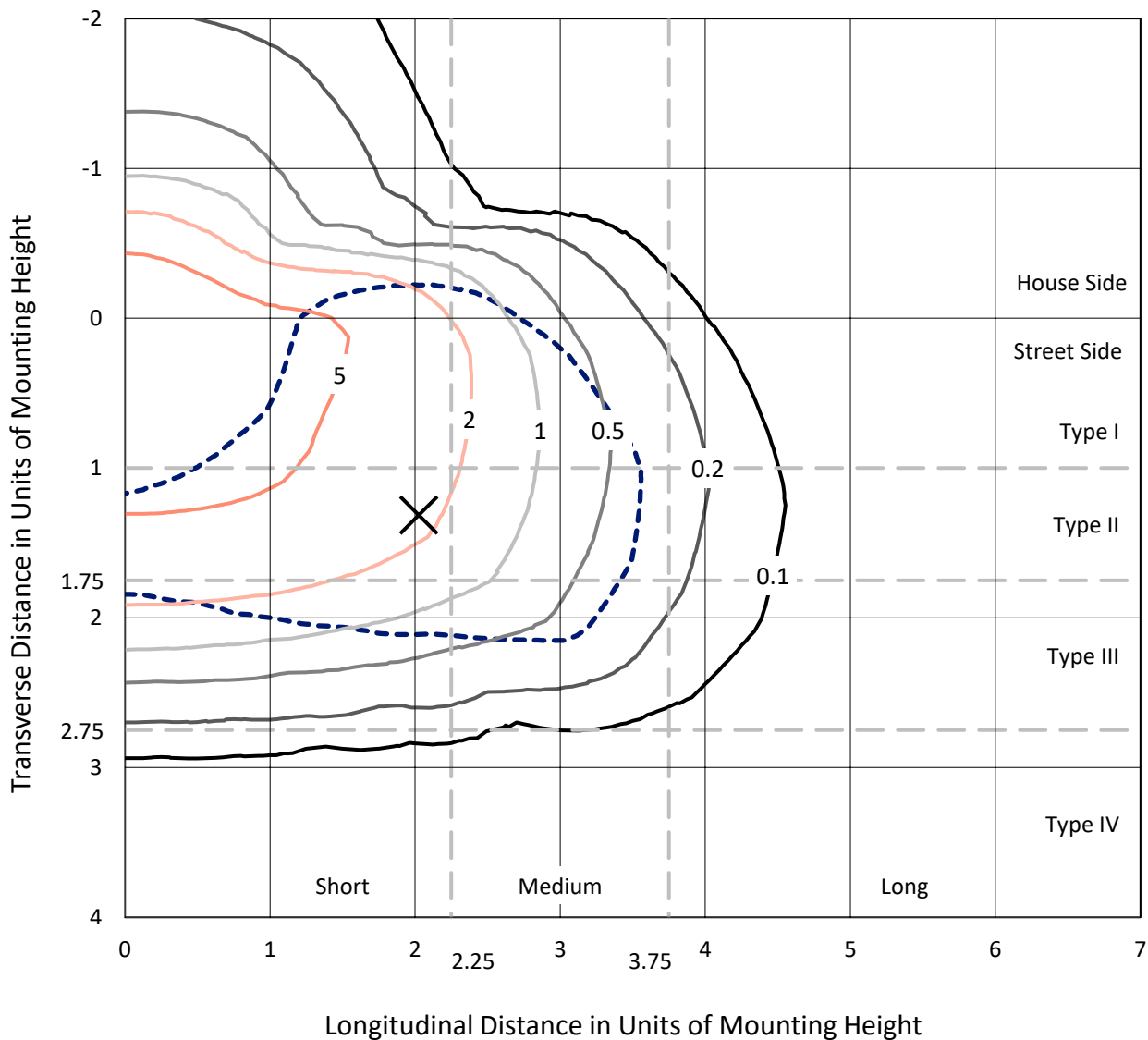
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

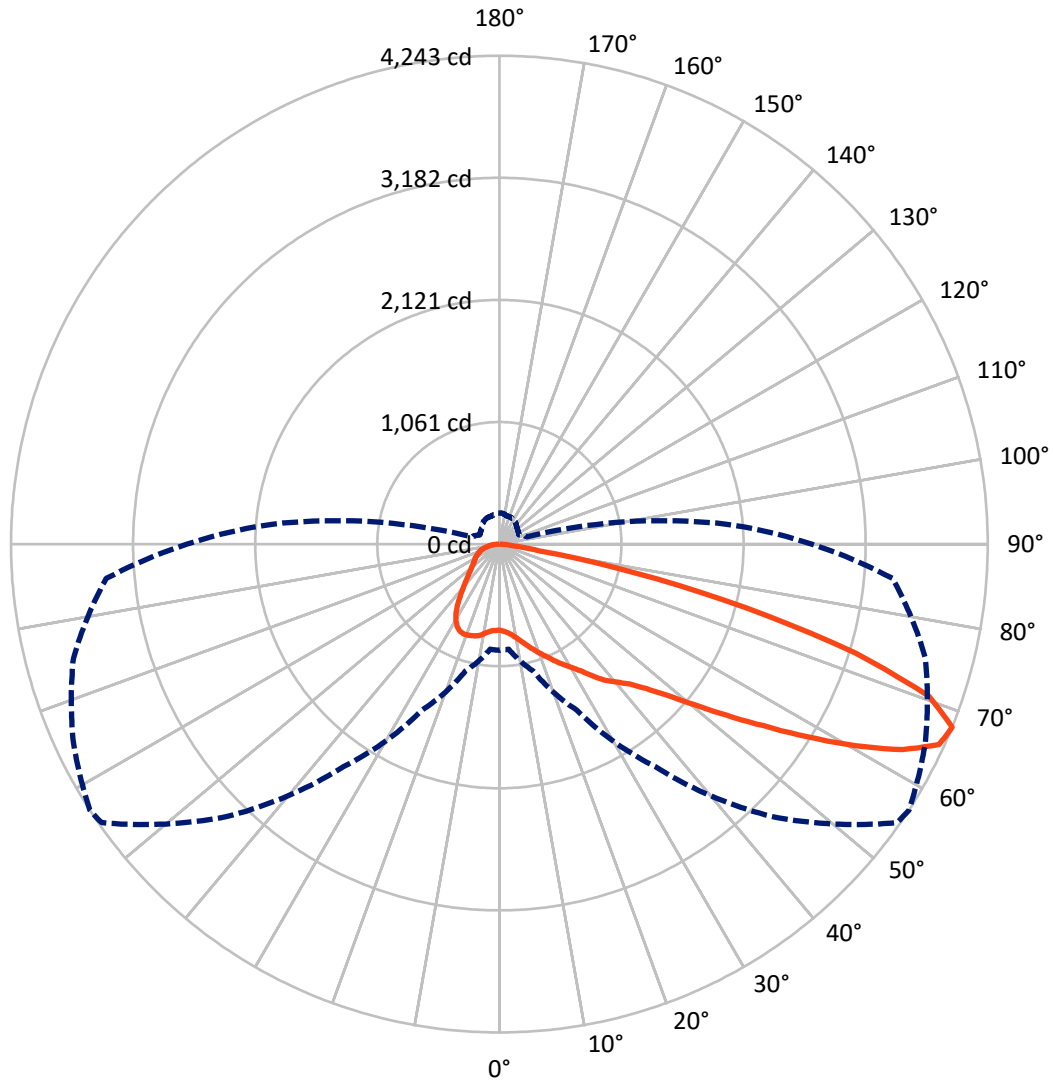
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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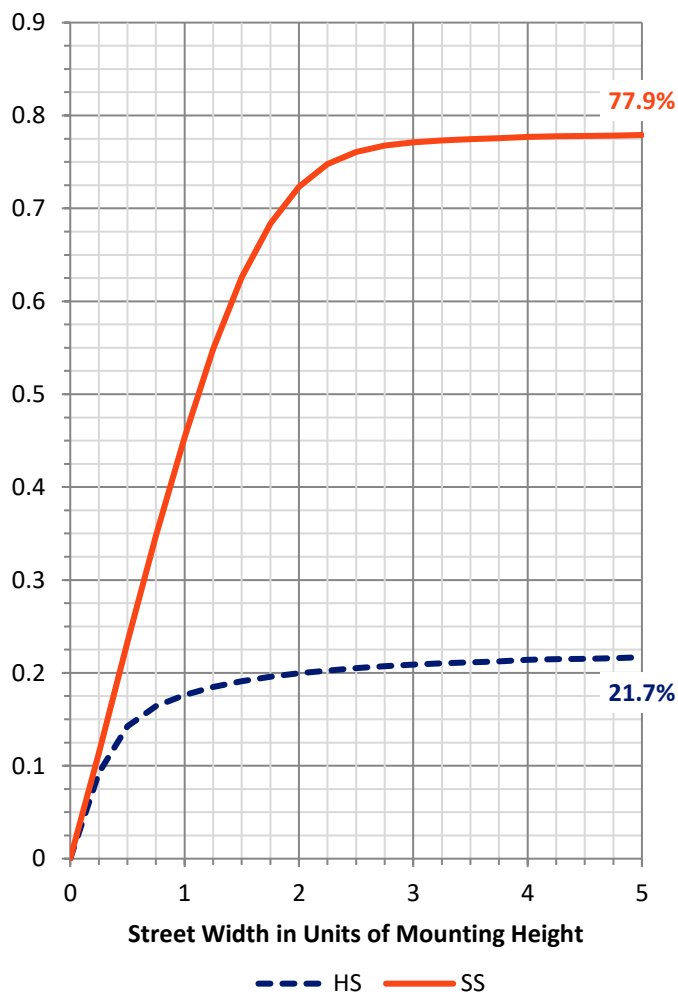
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1365.3	0.0	1365.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4844.7	0.0	4844.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	6210.0	0.0	6210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.2
10°-20°	245.7	4.0
20°-30°	438.0	7.1
30°-40°	636.8	10.3
40°-50°	921.7	14.8
50°-60°	1442.4	23.2
60°-70°	1682.6	27.1
70°-80°	702.4	11.3
80°-90°	66.3	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°	6210.0	100.0
0°-180°	6210.0	100.0

Coefficient of Utilization



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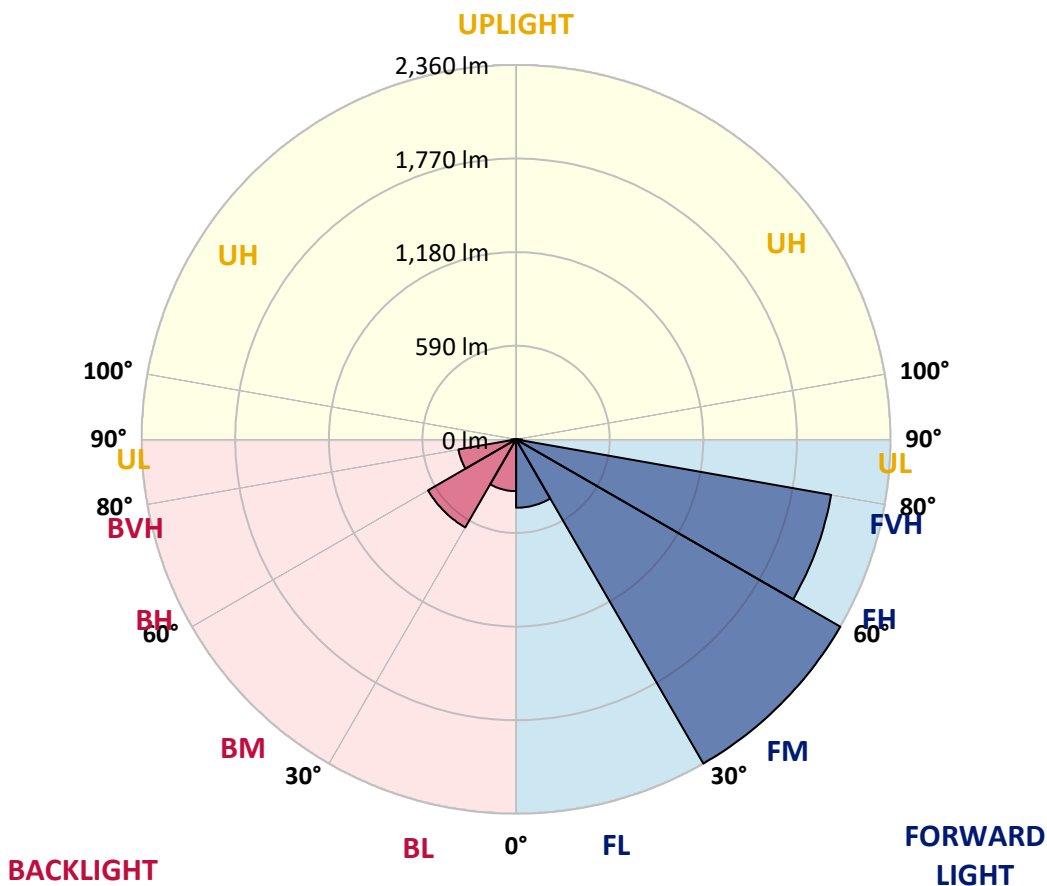
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.3	6.9			
FM (30°-60°)	2359.9	38.0			
FH (60°-80°)	2016.5	32.5			G2/5000
FVH (80°-90°)	36.9	0.6			G1/100
BL (0°-30°)	326.5	5.3	B1/500		
BM (30°-60°)	640.9	10.3	B1/1000		
BH (60°-80°)	368.5	5.9	B1/500		G1/500
BVH (80°-90°)	29.4	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
2.5°	758.9	758.0	757.6	760.3	759.4	758.9	758.9	758.5	757.6	754.0	749.2
5°	779.8	778.1	776.3	778.5	776.7	775.0	774.5	773.6	770.5	765.2	757.6
7.5°	801.6	799.9	800.3	801.6	800.3	799.4	798.1	797.2	792.3	783.9	773.6
10°	832.3	832.3	833.2	834.6	835.0	833.7	831.0	829.7	823.9	813.2	799.0
12.5°	876.8	875.9	875.9	875.0	876.4	875.0	872.4	870.2	863.0	849.2	828.8
15°	935.6	932.0	928.9	923.1	921.3	916.4	917.3	916.0	909.3	890.6	864.8
17.5°	998.3	997.8	992.9	981.4	969.8	961.8	963.6	963.1	959.6	934.2	901.3
20°	1053.4	1055.7	1051.2	1042.3	1026.7	1011.6	1010.7	1013.0	1008.5	983.2	937.3
22.5°	1115.3	1113.5	1109.0	1097.5	1085.9	1069.9	1064.6	1062.8	1061.0	1032.1	974.3
25°	1174.0	1179.3	1173.6	1162.9	1145.1	1127.7	1123.3	1125.1	1120.2	1081.9	1013.8
27.5°	1248.3	1250.5	1247.0	1232.3	1217.2	1192.7	1184.2	1184.2	1182.5	1128.6	1045.0
30°	1327.5	1333.7	1327.5	1315.5	1299.9	1264.8	1246.5	1244.7	1239.4	1176.7	1081.5
32.5°	1407.1	1411.6	1407.1	1395.5	1377.7	1347.1	1320.8	1316.8	1309.7	1229.2	1118.8
35°	1477.8	1481.8	1481.0	1483.6	1468.9	1430.2	1414.2	1412.4	1393.8	1297.7	1169.5
37.5°	1555.2	1560.1	1553.5	1558.8	1553.0	1516.5	1511.7	1502.8	1476.1	1362.2	1222.9
40°	1643.3	1647.8	1637.1	1639.3	1632.7	1612.2	1587.3	1575.3	1535.7	1432.0	1307.0
42.5°	1737.6	1747.9	1752.8	1748.8	1733.2	1721.6	1678.0	1662.9	1630.0	1557.9	1445.4
45°	1874.2	1889.3	1896.5	1886.2	1879.6	1863.1	1809.7	1791.5	1774.1	1735.4	1638.4
47.5°	2021.5	2035.3	2057.9	2062.4	2067.7	2055.3	1980.1	1962.3	1965.4	1961.0	1876.0
50°	2138.9	2150.5	2201.6	2256.4	2301.7	2305.3	2209.2	2190.1	2207.0	2221.2	2162.0
52.5°	2224.3	2234.6	2302.2	2415.2	2517.9	2594.0	2490.4	2468.6	2482.3	2514.4	2487.2
55°	2293.7	2308.0	2378.7	2552.2	2759.9	2880.1	2813.8	2786.2	2780.4	2820.0	2835.6
57.5°	2330.2	2334.7	2433.9	2659.4	2937.4	3160.8	3189.7	3158.5	3103.4	3125.2	3206.1
60°	2247.0	2254.6	2390.3	2687.0	3077.6	3439.3	3584.3	3558.5	3441.0	3453.0	3542.5
62.5°	2017.0	2027.7	2191.0	2555.7	3089.1	3625.2	3948.6	3932.2	3774.7	3709.7	3736.4
65°	1618.0	1621.5	1790.6	2231.0	2859.1	3648.3	4202.6	4198.6	4007.8	3855.6	3741.3
67.5°	922.6	916.4	1142.4	1591.3	2359.6	3347.6	4219.1	4242.7	4083.4	3831.6	3429.9
70°	399.9	400.8	504.9	785.2	1527.2	2705.7	3918.8	3959.3	3864.5	3431.7	2728.8
72.5°	185.1	187.7	232.7	339.9	652.2	1678.5	3195.5	3231.9	3150.5	2746.6	1985.4
75°	130.8	133.0	155.3	194.9	299.8	654.0	2137.6	2214.1	2253.7	2054.4	1308.3
77.5°	99.2	102.3	113.4	135.2	185.1	231.8	1022.7	1205.1	1435.6	1278.1	674.0
80°	63.2	63.2	75.2	90.3	113.0	120.6	295.4	350.1	702.4	526.7	264.7
82.5°	42.7	44.0	51.2	57.4	65.0	68.5	126.8	135.2	202.9	179.3	109.0
85°	22.7	23.6	26.7	26.2	31.1	27.1	53.4	52.9	74.3	81.4	41.4
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	5.8	6.2	15.6	24.9	13.8
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°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
2.5°	751.8	746.5	749.2	748.3	750.9	750.9	746.0	744.7	745.1	739.8	738.0
5°	758.5	752.3	753.6	751.8	754.5	756.7	754.5	754.5	757.2	753.2	750.9
7.5°	773.6	766.5	766.5	764.3	767.4	769.2	767.4	770.1	775.0	771.0	768.7
10°	797.6	789.2	789.6	787.0	788.3	787.4	780.3	778.1	779.4	775.8	774.1
12.5°	828.8	817.2	817.2	811.9	808.8	799.4	784.7	779.4	780.3	777.2	775.8
15°	858.6	847.9	845.7	835.0	820.8	803.4	790.1	786.5	787.4	784.3	782.1
17.5°	893.7	879.9	871.9	852.4	826.1	808.3	795.0	786.5	779.4	772.3	770.5
20°	926.2	908.9	894.2	863.9	831.9	807.4	782.5	761.6	744.3	734.9	732.7
22.5°	959.6	937.3	911.5	871.9	831.5	791.4	745.6	714.0	688.2	674.4	677.1
25°	991.2	963.1	928.0	879.5	817.2	755.8	693.5	646.4	617.0	606.4	603.2
27.5°	1017.4	982.7	943.1	875.9	787.9	704.7	622.4	569.9	541.4	529.4	526.3
30°	1046.8	1007.6	964.9	859.5	741.6	633.0	541.8	499.1	478.7	467.1	467.6
32.5°	1080.6	1039.6	995.6	827.9	682.4	555.6	475.6	446.2	429.7	418.2	416.4
35°	1126.0	1085.5	1016.1	780.3	607.2	484.5	430.2	406.2	385.7	370.6	367.5
37.5°	1182.0	1154.4	1018.3	716.7	526.7	435.5	397.7	371.9	347.0	327.0	324.8
40°	1278.1	1246.5	1000.1	637.0	458.2	403.9	370.6	340.8	311.9	289.6	286.5
42.5°	1415.1	1350.2	960.9	547.2	406.6	379.0	344.8	307.0	277.6	262.0	259.8
45°	1589.5	1465.8	902.2	462.7	368.3	354.6	317.6	278.0	262.5	251.3	249.1
47.5°	1803.0	1600.6	834.6	396.8	338.5	332.3	290.1	268.3	254.5	245.1	242.9
50°	2058.4	1772.3	779.0	345.2	311.9	306.5	281.2	262.5	251.3	243.8	242.0
52.5°	2349.8	1963.2	751.8	308.3	288.7	283.4	278.0	261.1	251.8	246.0	243.8
55°	2652.3	2164.3	726.5	279.8	269.1	272.3	278.5	265.6	258.5	250.9	248.7
57.5°	2944.6	2352.9	664.2	257.6	254.9	266.9	280.7	270.0	261.6	254.0	251.3
60°	3146.1	2456.1	558.8	239.8	244.2	260.2	274.9	263.4	252.7	249.6	248.2
62.5°	3200.4	2443.6	433.7	221.5	231.3	245.6	259.8	252.2	241.1	246.0	246.5
65°	3073.6	2310.2	325.6	203.7	214.4	226.4	244.2	241.1	237.1	250.5	250.9
67.5°	2714.6	1982.3	248.2	188.2	197.1	211.8	239.3	252.2	253.1	270.0	268.3
70°	2053.9	1481.0	194.4	173.5	183.7	211.8	254.9	260.7	250.0	265.6	262.0
72.5°	1420.0	977.4	165.5	160.6	167.3	202.0	254.5	254.5	242.9	242.9	236.2
75°	882.2	574.8	144.1	144.1	144.1	176.6	247.3	234.4	214.0	204.6	199.3
77.5°	435.5	279.4	121.0	125.5	120.6	147.7	202.0	191.7	179.3	169.5	165.9
80°	186.0	139.7	97.9	102.8	97.0	111.2	160.2	157.9	145.9	133.0	129.0
82.5°	85.4	72.1	78.3	80.5	70.7	83.6	117.0	117.0	110.3	92.5	85.9
85°	36.5	38.3	54.3	54.3	44.5	47.2	62.7	59.6	53.4	43.6	40.0
87.5°	12.5	18.7	27.6	24.0	9.3	4.0	2.2	0.9	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)