

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: P630467

Luminaire Tested: GWS-SA1D-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5221.5 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

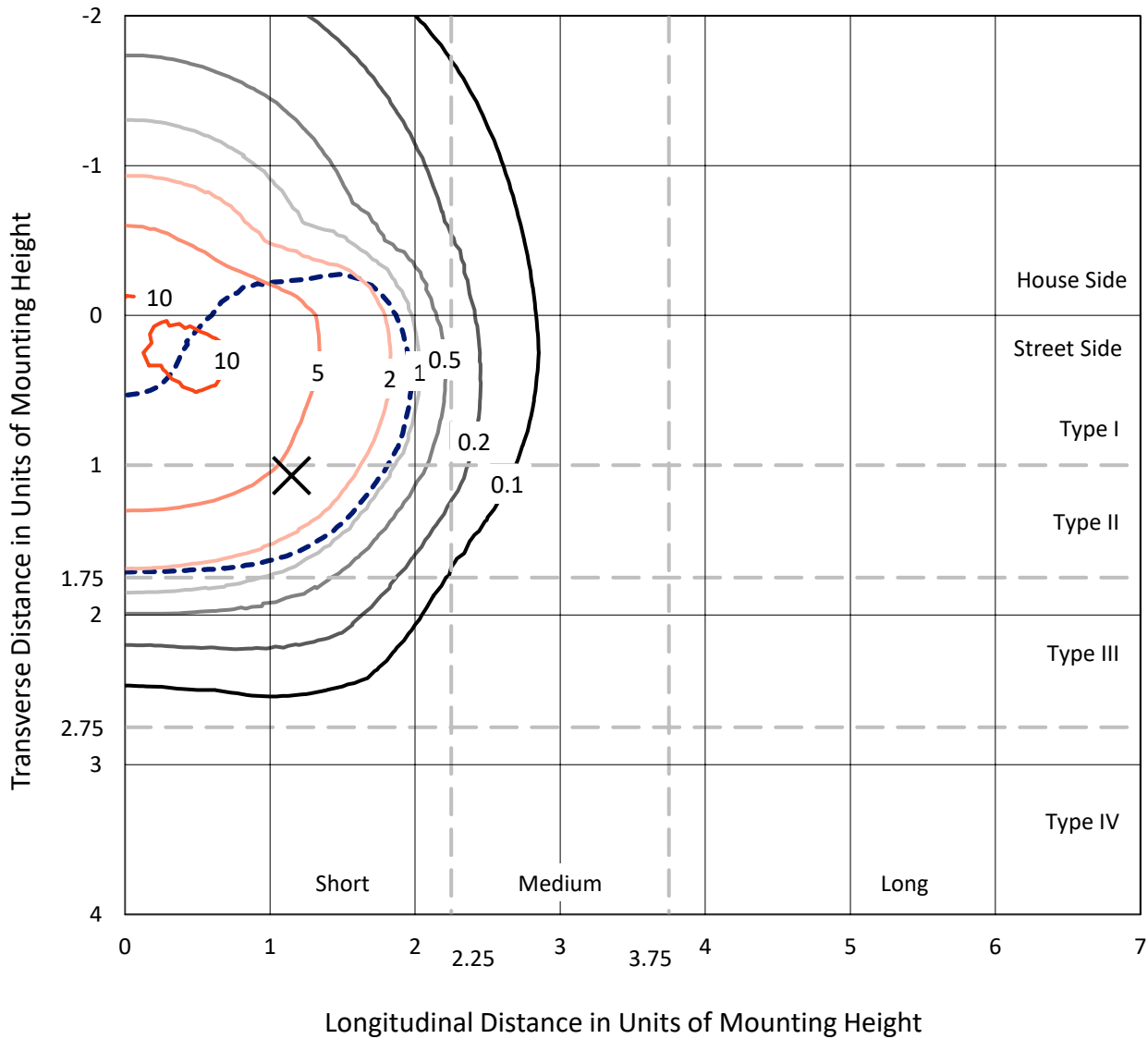
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

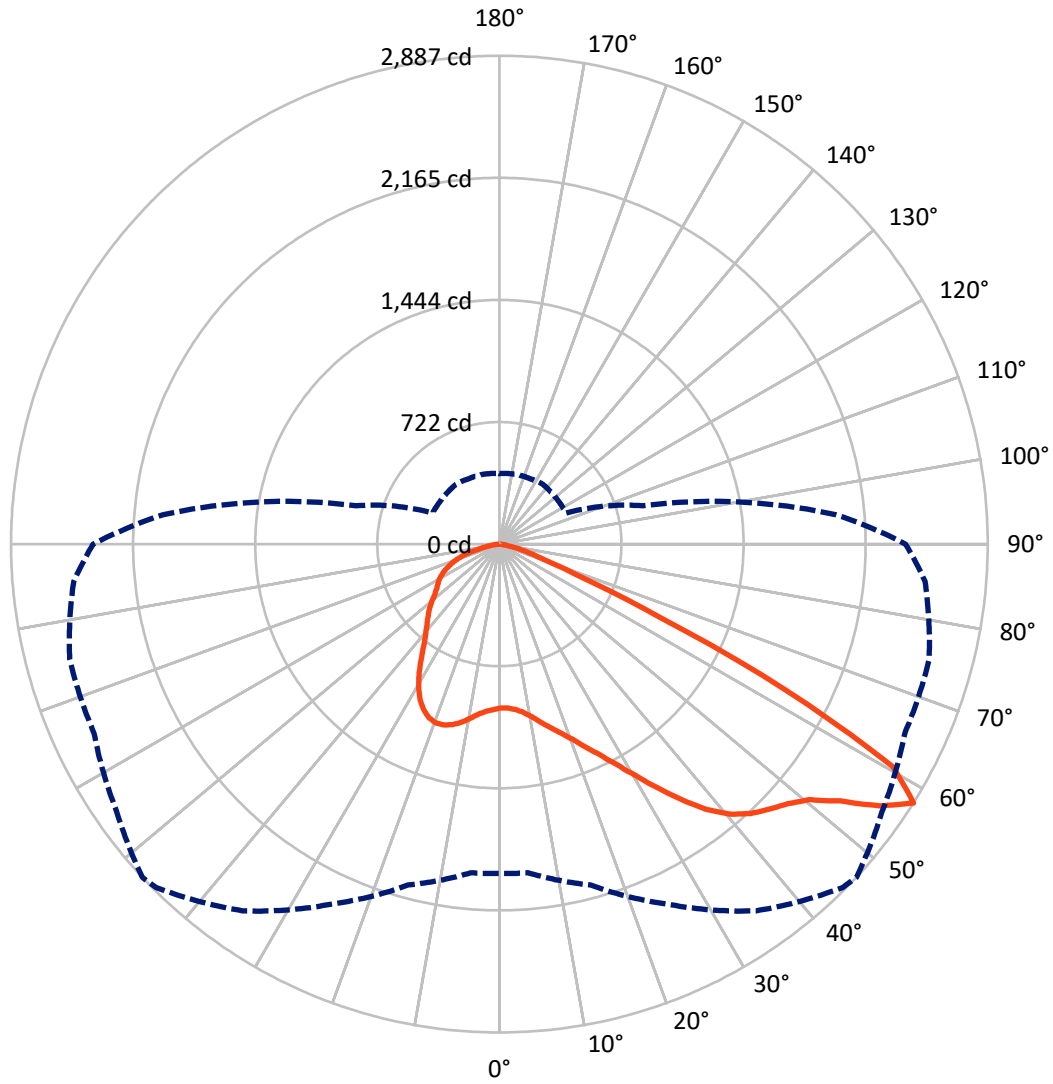
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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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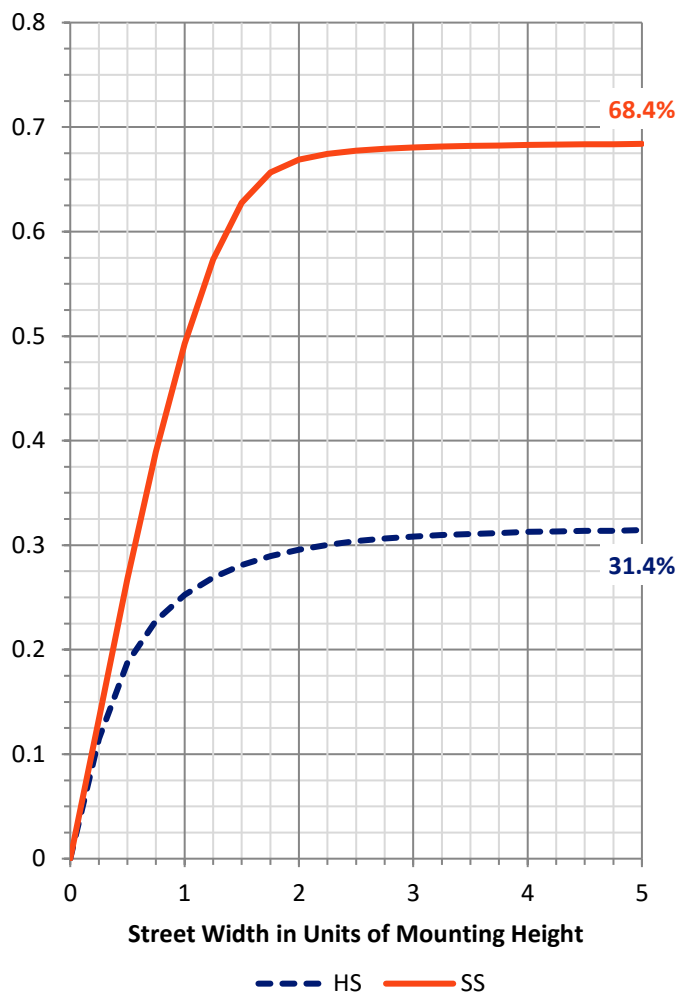
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1652.6	0.0	1652.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	3568.9	0.0	3568.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	5221.5	0.0	5221.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	1.8
10°-20°	314.1	6.0
20°-30°	565.6	10.8
30°-40°	854.3	16.4
40°-50°	1150.4	22.0
50°-60°	1382.4	26.5
60°-70°	673.3	12.9
70°-80°	165.9	3.2
80°-90°	19.9	0.4
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°	5221.5	100.0
0°-180°	5221.5	100.0

Coefficient of Utilization



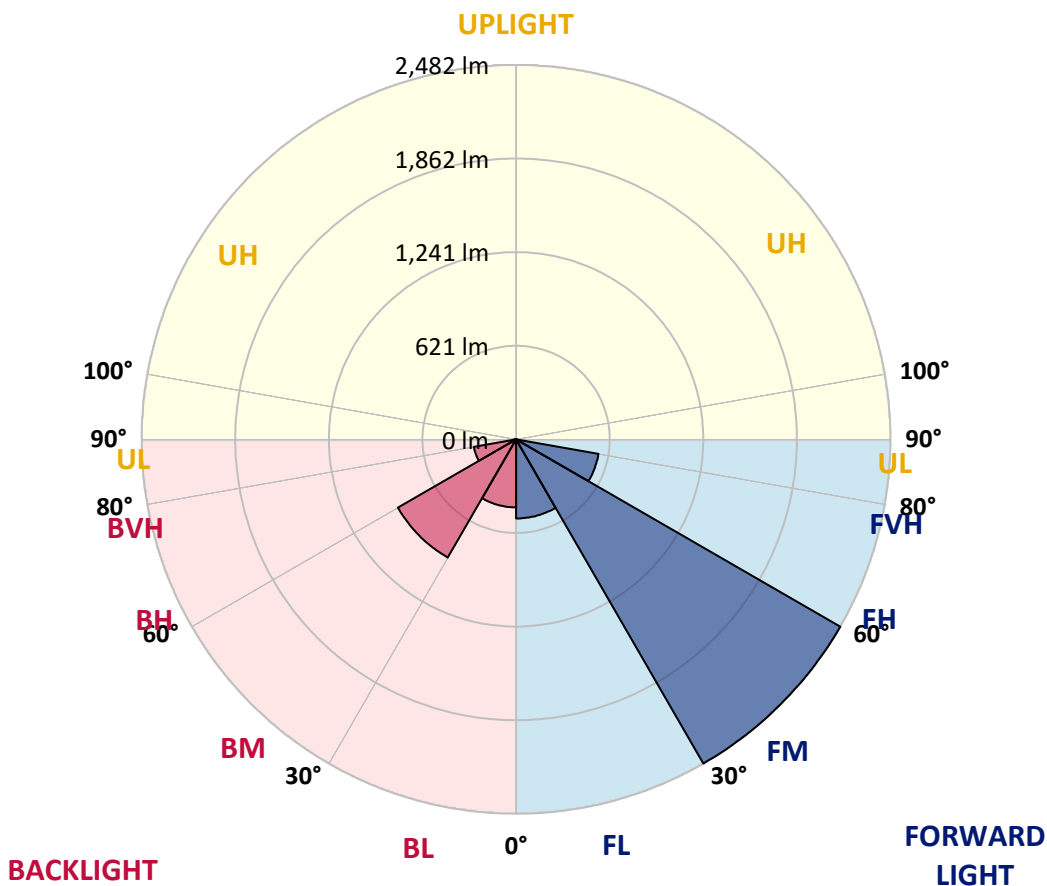
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	524.5	10.0			
FM (30°-60°)	2482.1	47.5			
FH (60°-80°)	554.9	10.6			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	450.8	8.6	B1/500		
BM (30°-60°)	905.1	17.3	B1/1000		
BH (60°-80°)	284.2	5.4	B1/500		G1/500
BVH (80°-90°)	12.4	0.2			G1/100
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°	47°	55°	65°	75°	85°
0°	968.3	968.3	968.3	968.3	968.3	968.3	968.3	968.3	968.3	968.3	968.3
2.5°	966.6	966.1	966.1	968.8	968.8	969.7	971.0	972.3	972.7	970.5	965.7
5°	977.1	977.1	977.1	979.3	979.3	980.2	981.9	982.4	981.9	978.4	973.6
7.5°	993.8	993.8	994.2	996.8	999.0	1000.3	1003.4	1003.0	1001.7	996.0	989.8
10°	1021.0	1022.3	1023.6	1026.7	1031.0	1034.1	1036.3	1036.3	1034.6	1025.8	1017.9
12.5°	1059.6	1061.3	1062.6	1065.3	1068.8	1074.0	1078.9	1078.9	1076.7	1065.7	1053.9
15°	1104.7	1106.5	1106.0	1106.9	1113.5	1121.0	1124.9	1127.5	1128.4	1113.1	1094.6
17.5°	1156.5	1158.2	1156.5	1153.8	1154.7	1166.6	1173.6	1183.2	1188.9	1168.3	1138.9
20°	1203.4	1201.6	1201.6	1203.4	1206.0	1220.5	1231.0	1246.8	1253.8	1228.8	1183.2
22.5°	1253.0	1256.9	1255.2	1255.2	1265.7	1289.8	1302.5	1323.1	1330.6	1298.1	1236.7
25°	1317.0	1320.5	1319.6	1320.5	1332.8	1367.0	1379.7	1417.9	1425.3	1378.8	1295.9
27.5°	1387.2	1392.9	1395.5	1394.6	1414.3	1459.1	1474.9	1527.9	1541.5	1469.2	1359.1
30°	1478.4	1484.5	1486.7	1485.8	1509.1	1570.0	1588.0	1648.5	1667.8	1576.2	1439.3
32.5°	1584.1	1590.2	1596.8	1599.4	1629.2	1691.5	1717.4	1780.1	1807.7	1699.8	1536.3
35°	1688.9	1694.1	1706.9	1727.5	1768.3	1831.9	1854.7	1916.5	1943.2	1828.3	1653.4
37.5°	1804.7	1808.2	1819.1	1847.6	1906.4	1966.9	1989.7	2048.9	2052.0	1952.5	1785.8
40°	1931.4	1931.4	1929.2	1957.3	2018.7	2079.6	2099.4	2133.6	2115.6	2048.1	1914.7
42.5°	2038.9	2037.1	2038.9	2065.2	2110.8	2160.3	2177.4	2170.9	2148.1	2121.3	2031.4
45°	2135.8	2137.1	2152.9	2173.1	2196.7	2226.1	2236.2	2198.9	2178.3	2180.1	2124.8
47.5°	2201.6	2202.9	2239.7	2273.5	2288.0	2297.2	2292.8	2241.0	2230.5	2250.2	2196.7
50°	2210.3	2217.3	2280.9	2350.2	2386.2	2387.5	2375.2	2312.1	2309.0	2331.4	2235.3
52.5°	2212.1	2219.1	2298.5	2423.5	2516.9	2536.6	2522.6	2456.8	2424.8	2402.4	2282.7
55°	2205.5	2213.4	2301.1	2472.6	2651.5	2730.5	2731.8	2638.8	2536.6	2521.7	2417.8
57.5°	1947.2	1950.3	2086.2	2347.6	2646.3	2869.9	2887.0	2760.7	2644.1	2630.0	2526.1
60°	1356.5	1368.7	1516.5	1861.7	2223.0	2617.3	2672.6	2635.7	2557.7	2455.5	2167.4
62.5°	679.3	689.9	838.1	1164.4	1533.2	1844.6	1903.8	1942.8	1961.2	1851.6	1475.7
65°	292.5	300.4	392.5	608.3	867.9	1018.3	1038.9	1085.9	1200.8	1071.4	795.1
67.5°	195.6	200.9	247.8	371.0	511.4	521.0	517.9	528.0	553.0	456.5	359.2
70°	150.0	154.4	185.9	271.9	367.5	314.4	297.8	270.2	293.4	299.1	291.2
72.5°	108.8	112.3	136.0	185.5	230.2	200.9	198.2	212.3	243.8	252.6	247.8
75°	70.2	71.9	86.4	101.7	118.8	128.9	134.2	159.6	191.6	198.2	192.5
77.5°	46.9	48.2	56.6	65.3	67.5	68.0	69.7	81.1	103.1	115.3	114.0
80°	24.6	24.6	27.6	27.6	31.6	37.7	39.5	46.9	57.0	63.2	63.6
82.5°	9.6	10.1	11.8	13.2	15.8	19.3	20.6	24.6	29.8	34.2	38.2
85°	3.9	4.4	4.8	5.7	7.0	8.8	9.2	10.5	14.0	17.5	19.7
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	1.3	1.8	2.2	3.9	5.3
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°	968.3	968.3	968.3	968.3	968.3	968.3	968.3	968.3	968.3	968.3	968.3
2.5°	971.4	965.7	971.4	973.2	978.0	979.7	976.7	976.2	976.2	971.8	970.5
5°	978.0	972.7	978.4	981.1	988.1	992.5	993.3	996.8	999.0	997.3	996.8
7.5°	994.2	987.6	993.8	997.7	1006.9	1013.9	1017.0	1024.9	1030.6	1029.7	1029.3
10°	1022.7	1013.9	1021.0	1027.5	1037.6	1046.0	1046.4	1050.8	1056.5	1054.7	1053.9
12.5°	1055.6	1047.3	1055.2	1061.7	1073.6	1077.1	1071.4	1069.6	1070.5	1068.3	1066.6
15°	1096.0	1084.1	1091.1	1098.6	1105.2	1101.2	1088.9	1084.1	1083.7	1080.6	1078.9
17.5°	1136.3	1121.4	1126.7	1130.6	1127.5	1115.3	1099.9	1091.6	1087.6	1081.5	1079.7
20°	1176.2	1157.4	1156.5	1153.4	1139.4	1117.0	1096.4	1079.7	1069.6	1061.3	1058.2
22.5°	1221.8	1195.5	1182.4	1168.3	1137.6	1101.2	1070.1	1046.4	1030.2	1019.6	1016.1
25°	1270.9	1233.7	1206.5	1178.4	1120.1	1067.4	1024.0	991.6	972.3	960.9	956.9
27.5°	1319.6	1268.3	1227.5	1179.7	1085.0	1018.8	960.4	916.6	897.3	888.1	885.0
30°	1385.4	1314.4	1252.5	1162.6	1038.9	951.2	878.4	834.1	821.4	814.8	812.2
32.5°	1461.3	1372.7	1285.9	1126.7	980.2	872.3	795.5	764.8	756.1	743.4	742.9
35°	1561.3	1456.0	1317.4	1073.6	906.1	787.6	732.0	710.0	694.2	674.1	672.3
37.5°	1677.9	1559.9	1334.5	1006.1	819.7	717.9	684.6	660.0	634.6	607.8	604.3
40°	1798.5	1681.4	1335.8	926.2	735.0	671.9	643.8	611.8	580.2	550.4	546.4
42.5°	1925.3	1794.6	1312.6	834.1	665.7	632.0	603.5	563.1	527.6	507.4	505.2
45°	2038.4	1885.8	1260.0	737.2	614.4	598.6	562.2	518.8	500.0	485.5	482.4
47.5°	2127.4	1946.3	1188.9	650.4	572.8	564.4	517.1	494.7	480.2	467.1	464.0
50°	2171.3	1959.9	1096.4	579.8	534.2	524.1	491.6	474.5	464.9	454.3	451.7
52.5°	2225.7	1975.3	1016.6	520.6	496.4	482.9	470.6	457.0	450.0	443.4	441.2
55°	2350.7	2033.2	974.5	473.2	460.5	454.3	452.6	441.2	439.0	434.6	430.7
57.5°	2401.5	1995.9	874.9	434.6	432.0	432.9	437.2	426.7	424.5	419.3	416.6
60°	1931.4	1508.6	592.5	401.3	408.3	414.0	418.4	407.9	404.8	403.9	400.4
62.5°	1237.6	928.0	413.6	370.1	380.7	387.7	390.3	380.2	378.0	385.1	385.5
65°	644.2	505.7	335.5	336.8	345.6	356.1	361.4	357.9	357.0	364.4	364.9
67.5°	328.9	309.2	292.5	297.3	304.4	318.0	330.2	345.6	350.8	351.7	352.2
70°	280.2	271.5	263.1	266.2	273.7	281.1	293.0	300.4	291.6	289.4	288.6
72.5°	238.6	232.0	228.0	231.6	235.5	234.2	230.7	234.2	235.5	235.9	236.4
75°	185.5	180.7	177.6	178.1	178.1	173.2	166.7	162.7	158.3	154.8	154.8
77.5°	113.6	114.5	117.5	117.1	116.7	114.9	108.3	104.8	94.3	91.2	91.2
80°	64.9	66.2	69.3	70.2	70.2	68.0	61.4	57.5	52.6	50.4	50.0
82.5°	39.5	41.2	43.0	43.9	44.3	41.7	36.0	32.9	30.3	28.1	28.1
85°	20.6	21.5	23.2	23.7	22.4	19.7	16.7	15.3	12.7	12.3	12.3
87.5°	5.7	6.1	7.0	5.7	5.3	3.9	2.2	1.8	0.9	0.4	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)