

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P939395

Luminaire Tested: **GALN-SB2A-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7343 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

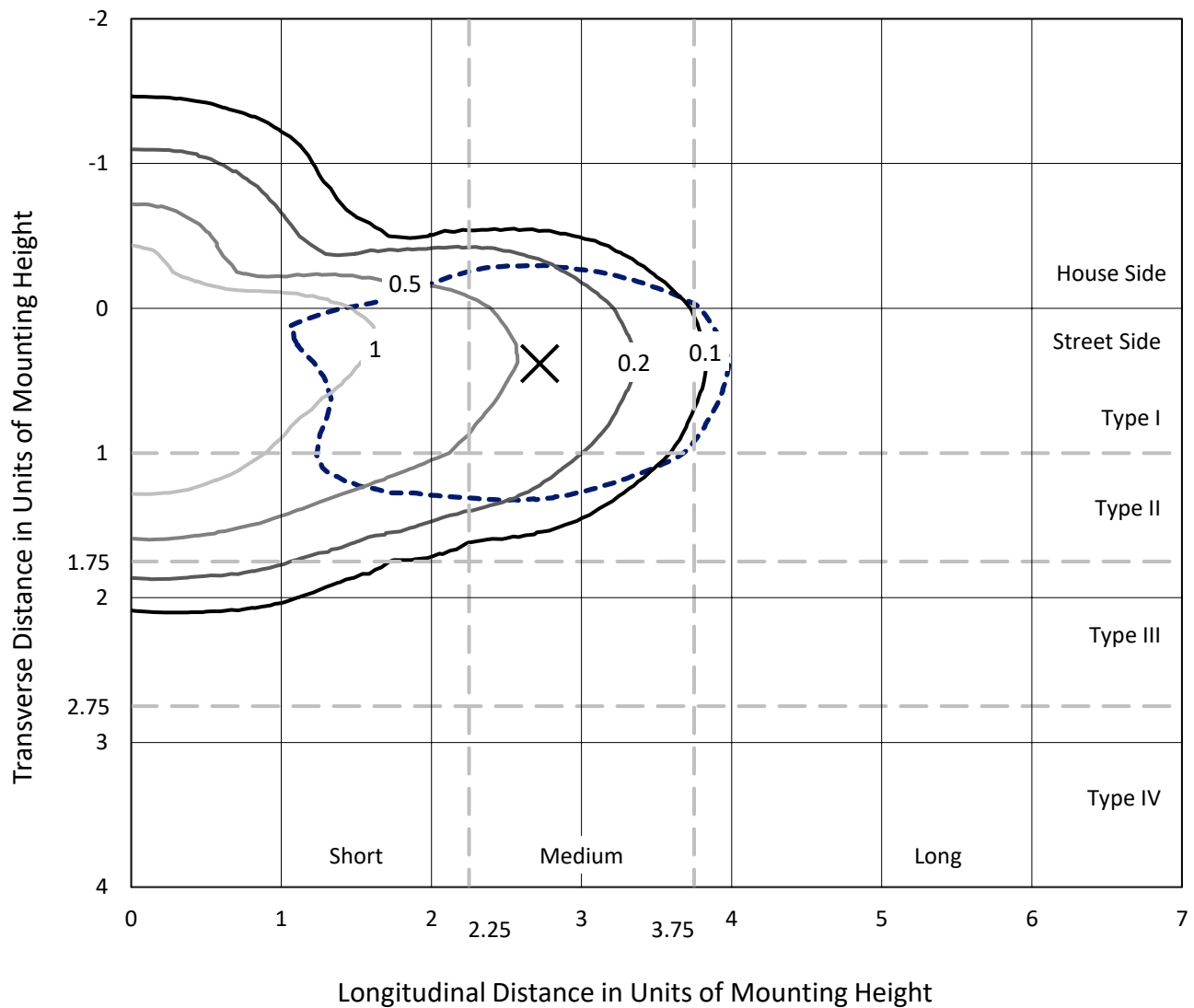


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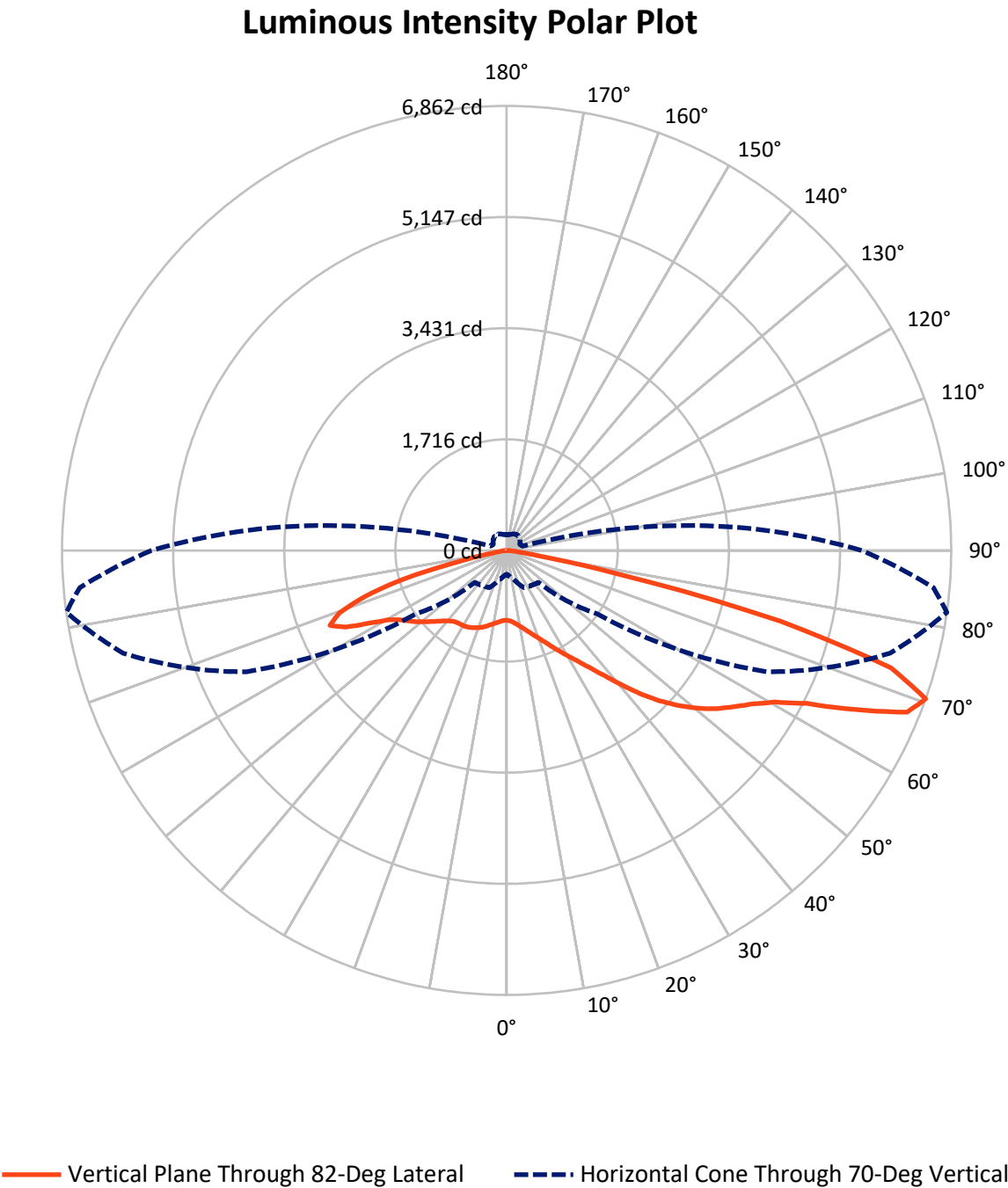
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1810.2	0.0	1810.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5532.8	0.0	5532.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	7343.0	0.0	7343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	1.4
10°-20°	292.0	4.0
20°-30°	488.6	6.7
30°-40°	763.2	10.4
40°-50°	1215.6	16.6
50°-60°	1691.6	23.0
60°-70°	1769.5	24.1
70°-80°	924.8	12.6
80°-90°	96.0	1.3
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°	7343.0	100.0
0°-180°	7343.0	100.0

Coefficient of Utilization



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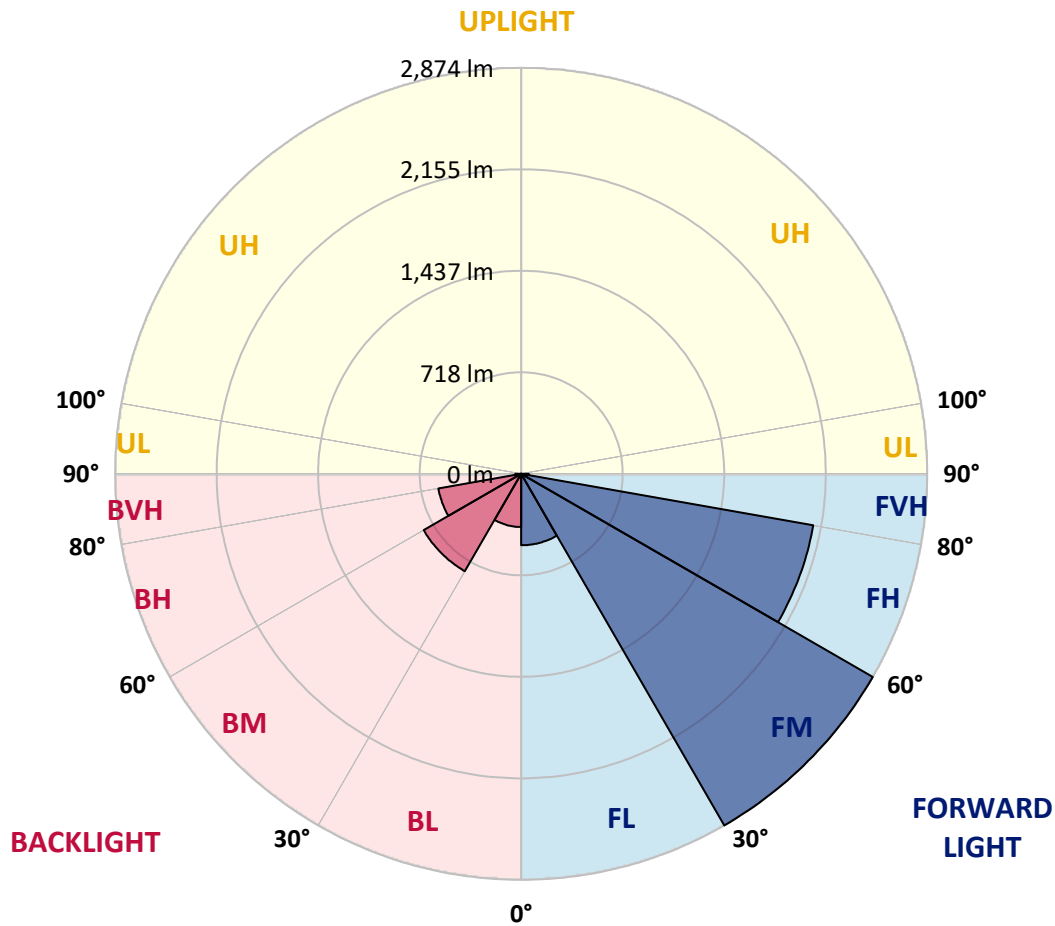
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	505.6	6.9			
FM	(30°-60°)	2874.0	39.1			
FH	(60°-80°)	2099.4	28.6			G2/5000
FVH	(80°-90°)	53.8	0.7			G1/100
BL	(0°-30°)	376.6	5.1	B1/500		
BM	(30°-60°)	796.4	10.8	B1/1000		
BH	(60°-80°)	594.9	8.1	B2/1000		G2/1000
BVH	(80°-90°)	42.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6
2.5°	1102.3	1108.5	1106.6	1104.6	1104.6	1101.9	1101.5	1097.6	1094.5	1089.4	1088.3
5°	1116.3	1122.9	1122.2	1123.7	1128.8	1130.0	1131.1	1128.8	1122.6	1116.3	1113.6
7.5°	1103.9	1111.3	1113.6	1122.9	1138.5	1152.6	1163.1	1167.4	1161.5	1152.6	1148.3
10°	1061.8	1070.0	1078.1	1100.3	1128.0	1161.1	1189.2	1205.9	1204.8	1196.2	1188.8
12.5°	976.4	985.0	1002.5	1045.8	1096.4	1154.9	1207.1	1242.2	1254.3	1248.0	1235.2
15°	908.3	915.7	928.9	973.3	1039.2	1128.0	1213.7	1281.9	1312.7	1309.2	1293.6
17.5°	906.3	909.4	917.6	938.6	989.3	1085.9	1206.7	1320.9	1379.7	1379.3	1359.8
20°	940.6	941.8	946.4	950.7	979.6	1054.0	1188.8	1353.2	1454.9	1454.9	1433.9
22.5°	988.1	987.3	992.0	988.1	1002.2	1051.2	1177.5	1381.7	1538.7	1544.9	1518.4
25°	1059.4	1055.5	1054.4	1045.4	1048.1	1076.6	1190.0	1414.0	1638.0	1650.9	1617.8
27.5°	1154.5	1148.3	1144.0	1123.3	1116.3	1128.8	1228.1	1453.0	1748.7	1770.9	1728.8
30°	1278.4	1267.1	1260.9	1225.0	1199.7	1201.7	1285.8	1504.8	1864.4	1900.3	1846.9
32.5°	1447.5	1430.0	1413.2	1354.4	1308.0	1292.8	1360.2	1576.5	1989.9	2047.2	1978.6
35°	1636.9	1622.9	1604.9	1514.1	1442.8	1407.8	1460.8	1676.6	2136.8	2227.6	2138.3
37.5°	1819.2	1807.2	1815.7	1693.4	1601.4	1550.4	1592.5	1811.0	2318.0	2452.0	2338.6
40°	2007.8	1998.5	1999.6	1882.7	1775.6	1718.3	1752.2	1979.8	2525.6	2718.9	2579.4
42.5°	2212.8	2205.8	2182.4	2078.7	1958.3	1905.0	1936.1	2174.6	2748.5	3022.8	2843.6
45°	2442.3	2438.0	2416.2	2297.3	2159.4	2099.4	2141.5	2389.7	2972.6	3308.8	3108.9
47.5°	2640.6	2644.1	2641.4	2541.2	2398.2	2310.2	2360.4	2614.1	3181.0	3577.7	3363.4
50°	2736.1	2754.4	2781.3	2750.1	2661.2	2571.6	2581.4	2830.7	3379.7	3829.8	3607.3
52.5°	2686.2	2720.9	2794.1	2844.0	2878.3	2859.6	2833.5	3045.8	3566.8	4057.3	3838.0
55°	2500.3	2549.0	2670.6	2791.0	2965.9	3101.9	3136.2	3284.3	3749.1	4257.6	4056.2
57.5°	2161.7	2240.8	2349.9	2593.4	2888.0	3219.2	3489.2	3615.1	3942.4	4471.5	4284.5
60°	1581.2	1687.1	1822.7	2185.1	2615.3	3156.5	3789.6	4123.2	4217.1	4748.5	4581.8
62.5°	1011.9	1077.4	1202.0	1543.4	2037.8	2835.0	3881.6	4758.3	4682.7	5202.9	5027.5
65°	692.8	734.9	849.0	1040.7	1317.4	2110.3	3635.3	5234.4	5422.2	5922.9	5789.7
67.5°	503.4	535.4	632.8	800.7	858.4	1248.8	2821.0	5212.6	6141.1	6664.8	6457.5
70°	367.0	389.6	471.5	632.8	660.4	694.7	1709.0	4431.0	6125.5	6862.0	6613.8
72.5°	272.0	287.6	342.5	490.9	534.6	469.1	845.9	3220.4	5263.6	6206.6	6007.5
75°	196.8	208.5	249.0	375.6	427.8	357.3	422.0	1882.0	3671.6	4365.9	4401.0
77.5°	150.4	159.4	185.9	275.1	342.5	268.1	261.8	865.8	1740.9	1749.5	1847.7
80°	120.8	126.6	141.0	193.7	262.6	200.7	170.7	349.5	550.2	465.6	488.6
82.5°	88.8	98.6	119.2	136.0	187.8	138.3	104.0	176.5	209.2	180.0	181.6
85°	50.7	57.3	72.1	97.4	120.0	84.6	59.6	78.3	97.4	79.9	71.3
87.5°	17.9	23.4	25.3	38.2	52.2	35.1	23.0	22.6	32.0	23.8	19.9
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°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6
2.5°	1084.4	1082.4	1074.6	1064.1	1053.2	1042.7	1039.2	1031.8	1026.7	1024.0	1027.1
5°	1106.2	1100.0	1081.6	1058.3	1033.7	1007.2	988.5	971.4	958.9	947.2	951.9
7.5°	1137.4	1126.4	1094.9	1054.0	1010.3	966.3	933.6	908.6	891.9	881.0	883.3
10°	1173.6	1156.8	1108.5	1047.4	979.9	916.8	878.2	856.8	846.3	840.5	842.0
12.5°	1215.3	1191.5	1122.6	1032.2	933.6	861.5	835.0	828.8	829.2	829.5	830.3
15°	1266.7	1233.6	1133.9	999.0	873.2	819.0	814.3	824.5	835.0	840.1	839.7
17.5°	1324.8	1278.0	1135.8	944.5	814.0	791.7	806.6	828.4	844.4	851.4	852.9
20°	1387.1	1323.2	1121.8	867.3	765.3	769.5	796.0	824.1	841.6	850.6	852.9
22.5°	1458.4	1371.5	1088.3	786.3	725.5	745.4	776.6	803.8	822.1	831.1	833.4
25°	1539.9	1425.7	1035.7	718.1	691.2	718.1	749.3	771.9	786.7	794.9	797.2
27.5°	1630.3	1482.2	965.5	663.9	661.2	690.1	715.8	733.3	741.1	747.3	749.7
30°	1721.0	1533.6	880.6	623.0	635.1	662.4	680.7	688.5	690.8	692.0	694.7
32.5°	1819.2	1578.0	791.4	589.1	610.2	635.5	646.4	649.9	639.0	631.6	633.9
35°	1938.1	1625.6	704.1	562.3	585.6	607.4	611.0	607.8	595.0	579.8	580.6
37.5°	2085.0	1684.8	634.3	543.2	562.6	577.1	572.8	572.0	573.2	555.2	556.4
40°	2265.0	1762.0	583.3	528.4	543.9	547.1	535.0	541.6	547.4	520.2	520.9
42.5°	2464.9	1855.1	551.0	518.2	528.4	520.9	502.2	509.6	508.9	473.0	472.6
45°	2668.6	1956.4	539.7	510.8	513.9	499.1	478.5	480.4	464.1	431.7	432.9
47.5°	2871.3	2065.1	546.7	504.6	496.0	479.3	463.3	454.7	430.6	406.4	406.4
50°	3070.0	2179.3	572.4	492.1	471.5	461.7	450.0	434.8	409.1	388.5	386.9
52.5°	3254.3	2294.2	601.2	471.5	440.7	446.5	439.1	421.6	396.3	375.2	375.6
55°	3428.8	2409.1	612.5	443.0	411.8	433.3	429.0	396.7	366.3	349.1	347.6
57.5°	3619.0	2547.5	600.0	406.8	388.5	418.1	401.7	365.9	348.3	335.5	334.3
60°	3882.4	2764.5	573.2	362.0	366.3	395.5	367.4	352.6	333.5	319.1	318.3
62.5°	4319.9	3169.3	529.9	317.6	340.2	362.0	351.1	336.3	316.8	302.8	302.8
65°	4966.7	3732.0	448.5	282.9	310.9	329.2	333.5	318.7	298.5	283.7	284.4
67.5°	5512.2	4085.0	339.4	254.0	280.9	302.8	314.8	300.4	279.0	264.6	265.0
70°	5482.2	3828.6	259.1	225.6	254.4	276.6	292.2	280.9	257.9	244.3	245.5
72.5°	4869.3	3202.8	209.6	196.8	227.5	249.4	268.1	259.5	236.1	222.9	222.9
75°	3577.3	2273.6	167.5	167.5	194.0	220.9	241.6	236.1	214.7	205.3	202.6
77.5°	1507.9	953.8	131.3	139.1	161.3	189.8	215.5	217.4	198.7	210.4	190.9
80°	400.9	263.0	100.1	109.5	126.6	156.6	187.4	186.6	166.4	155.5	144.6
82.5°	152.7	103.6	71.3	77.1	91.6	120.0	148.5	153.1	132.9	114.9	114.9
85°	58.8	44.4	44.0	46.4	53.4	79.5	112.2	116.1	100.1	84.9	87.7
87.5°	15.2	13.2	16.4	15.6	24.5	42.5	64.3	66.6	61.2	35.5	50.7
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)