

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: P939577

Luminaire Tested: **GALN-SB2B-727-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

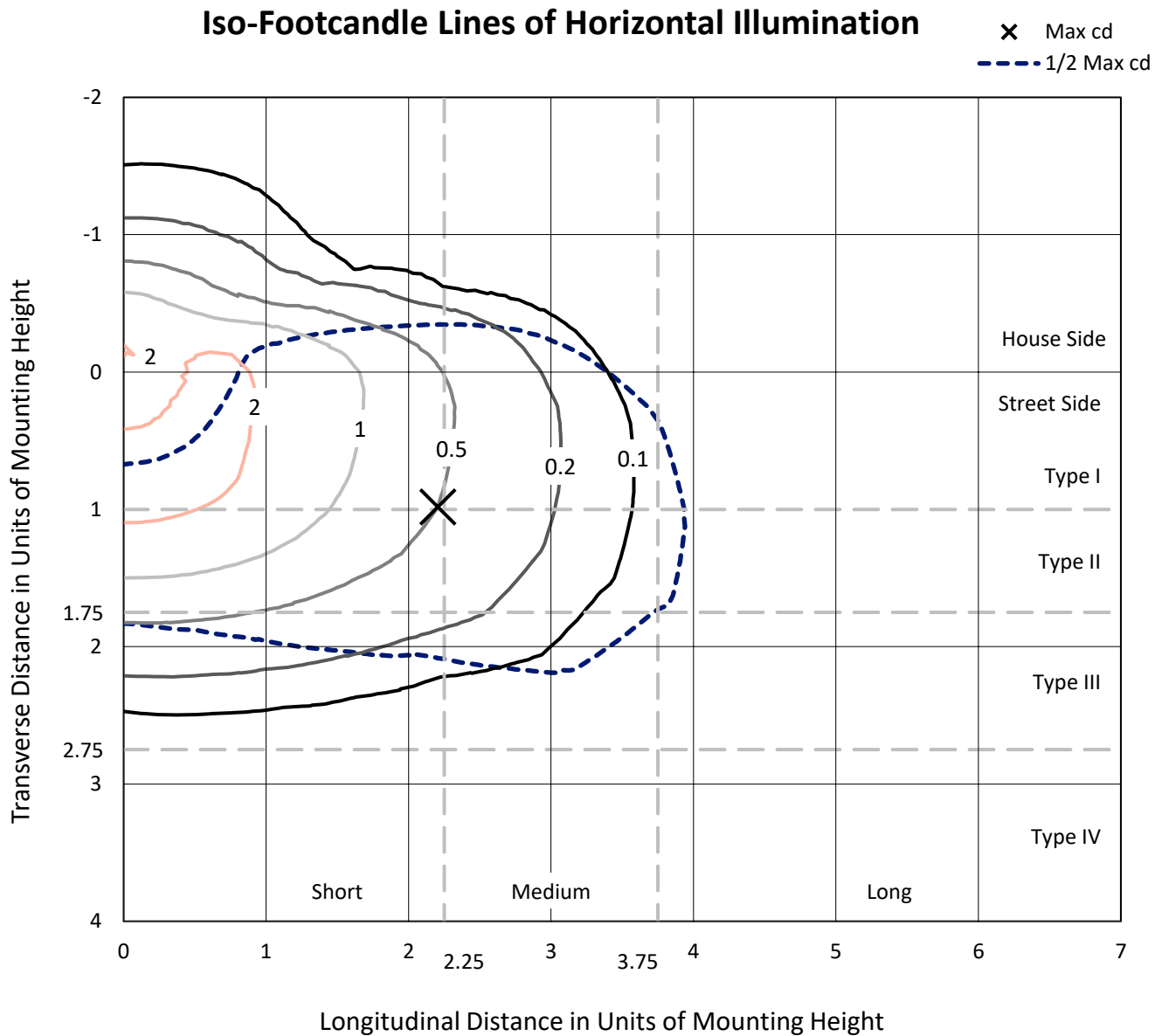
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10452 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 73.9
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

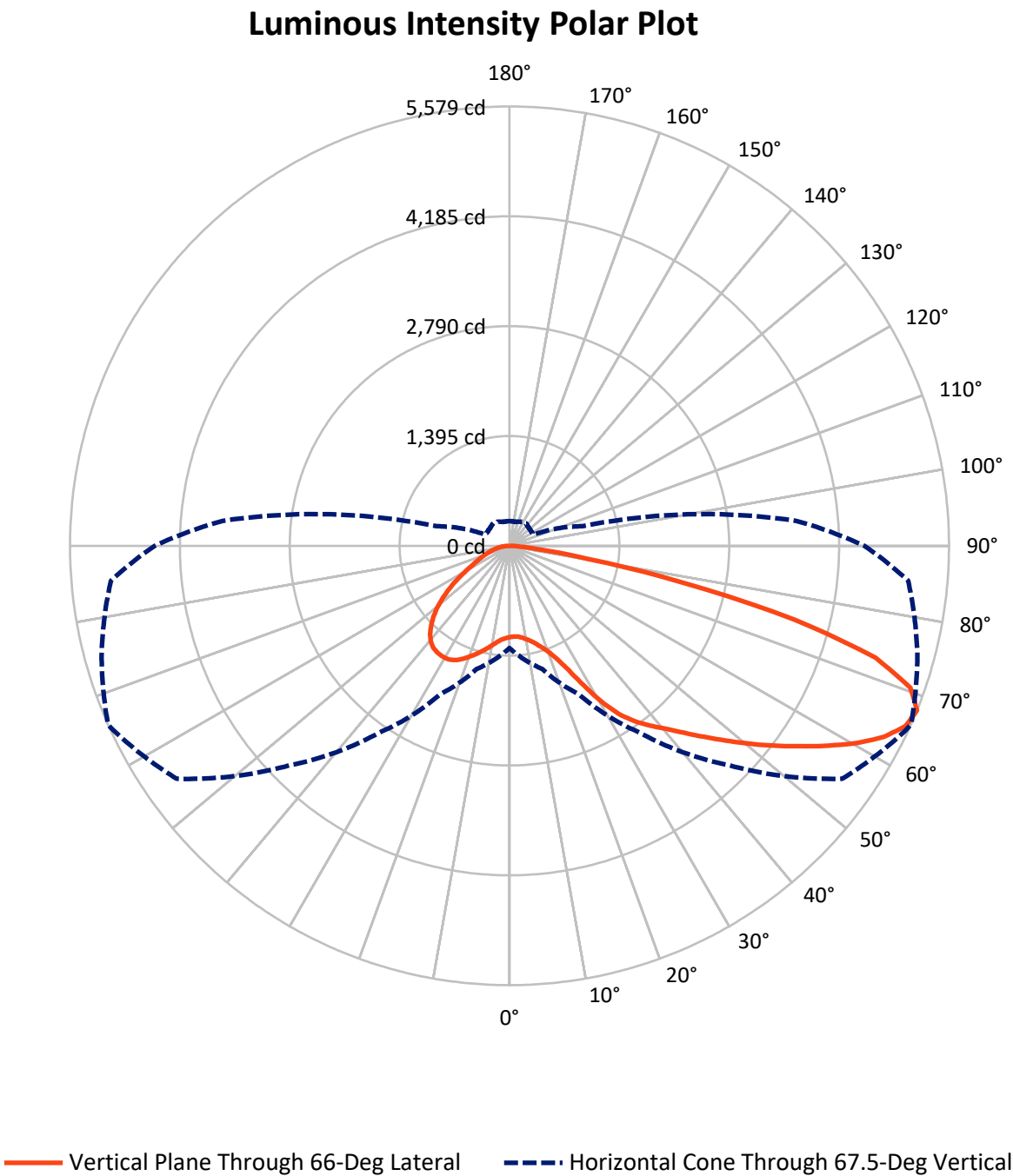


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Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2598.9	0.0	2598.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7853.1	0.0	7853.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	10452.0	0.0	10452.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	1.1
10°-20°	379.7	3.6
20°-30°	731.9	7.0
30°-40°	1283.3	12.3
40°-50°	1907.9	18.3
50°-60°	2418.4	23.1
60°-70°	2366.4	22.6
70°-80°	1128.8	10.8
80°-90°	120.6	1.2
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°	10452.0	100.0
0°-180°	10452.0	100.0

Coefficient of Utilization



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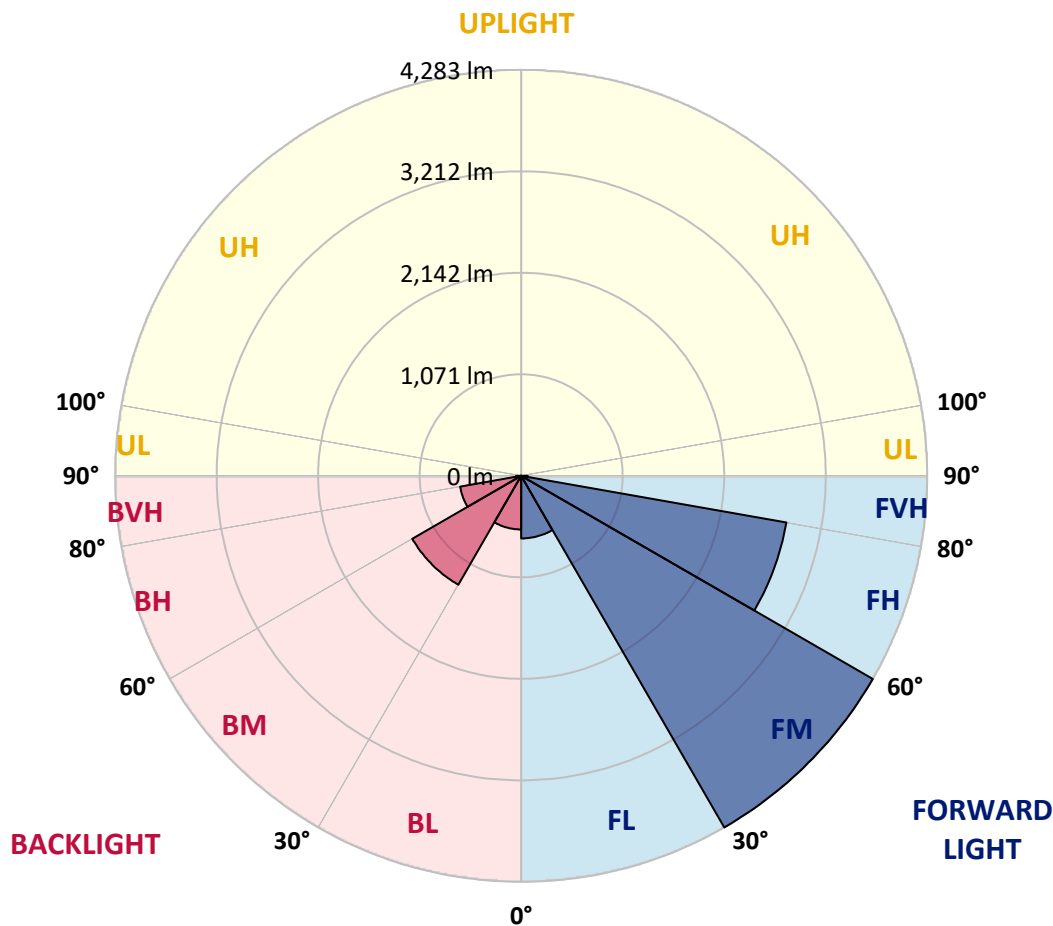
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	660.5	6.3			
FM	(30°-60°)	4283.1	41.0			
FH	(60°-80°)	2841.1	27.2			G2/5000
FVH	(80°-90°)	68.4	0.7			G1/100
BL	(0°-30°)	566.1	5.4	B2/1000		
BM	(30°-60°)	1326.5	12.7	B2/2500		
BH	(60°-80°)	654.0	6.3	B2/1000		G2/1000
BVH	(80°-90°)	52.2	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3
2.5°	1147.2	1153.8	1152.1	1149.4	1148.8	1149.9	1151.6	1153.2	1152.7	1155.4	1159.8
5°	1143.9	1150.5	1149.9	1149.9	1152.1	1156.5	1159.3	1162.0	1159.3	1162.6	1168.6
7.5°	1146.1	1151.0	1153.2	1155.4	1160.9	1169.1	1175.7	1181.8	1178.5	1182.3	1190.0
10°	1174.1	1177.9	1180.1	1180.1	1184.0	1193.3	1199.9	1210.9	1208.1	1214.2	1224.1
12.5°	1225.2	1229.0	1229.0	1226.8	1229.6	1235.6	1237.8	1249.9	1244.9	1254.8	1264.7
15°	1287.8	1295.5	1289.4	1285.6	1286.7	1292.7	1292.2	1301.5	1296.6	1304.8	1313.6
17.5°	1357.0	1366.8	1357.0	1356.4	1354.2	1360.8	1361.4	1369.6	1360.8	1366.8	1372.9
20°	1438.8	1452.5	1444.3	1447.0	1442.1	1444.8	1447.6	1459.7	1445.9	1450.3	1448.7
22.5°	1554.1	1570.6	1561.8	1572.2	1568.9	1566.7	1566.2	1587.6	1566.2	1567.8	1551.9
25°	1722.1	1741.9	1726.5	1740.8	1740.8	1748.0	1756.2	1783.7	1748.0	1737.5	1696.3
27.5°	1970.4	1990.1	1959.9	1968.7	1966.0	1983.5	1974.8	2042.9	2004.4	1987.4	1904.5
30°	2269.1	2304.3	2247.1	2244.9	2242.2	2270.2	2282.8	2327.9	2288.9	2271.9	2171.9
32.5°	2592.0	2628.8	2560.7	2540.9	2530.5	2547.5	2537.1	2573.3	2546.4	2520.1	2396.5
35°	2933.6	2969.8	2905.0	2866.6	2824.9	2789.2	2751.8	2761.1	2735.9	2695.8	2567.8
37.5°	3256.5	3322.9	3254.3	3213.1	3136.2	3066.5	2962.1	2918.8	2895.1	2858.3	2729.3
40°	3585.4	3623.3	3571.2	3536.0	3452.5	3343.3	3176.3	3084.6	3052.7	3017.1	2907.8
42.5°	3827.6	3863.9	3835.8	3811.7	3746.3	3619.5	3403.7	3288.9	3242.8	3202.7	3109.9
45°	4019.8	4046.7	4029.1	4037.9	4009.9	3886.9	3639.2	3508.0	3460.2	3411.3	3338.3
47.5°	4097.2	4125.8	4153.8	4206.0	4253.7	4163.1	3892.4	3745.2	3694.7	3644.7	3572.8
50°	4088.5	4117.6	4198.8	4309.8	4458.0	4427.8	4159.3	3997.8	3951.2	3894.1	3827.6
52.5°	4018.2	4051.1	4155.5	4340.0	4576.1	4626.1	4431.1	4258.7	4214.8	4146.7	4080.2
55°	3833.6	3853.4	4009.9	4271.3	4604.1	4764.5	4697.5	4536.6	4492.6	4397.6	4325.1
57.5°	3491.5	3520.1	3748.0	4086.3	4533.8	4858.4	4931.4	4828.7	4786.4	4649.7	4573.9
60°	3045.1	3090.6	3351.5	3775.4	4354.8	4857.8	5143.9	5115.9	5080.8	4897.9	4818.8
62.5°	2539.8	2592.6	2843.5	3336.1	4041.8	4720.0	5276.8	5356.5	5338.3	5126.9	5025.9
65°	1950.6	1986.8	2236.7	2767.7	3554.7	4424.0	5292.2	5520.6	5523.9	5301.0	5134.0
67.5°	1298.8	1403.1	1620.0	2076.9	2902.3	3940.2	5157.1	5547.6	5579.4	5360.8	5079.7
70°	633.7	771.0	983.5	1349.8	2076.9	3198.3	4804.0	5326.8	5397.6	5186.2	4755.7
72.5°	263.0	307.5	423.4	666.1	1192.2	2158.2	4094.5	4728.2	4859.5	4595.3	3998.4
75°	177.4	192.2	242.2	341.6	543.1	1064.3	2952.8	3525.6	3737.0	3470.7	2836.9
77.5°	136.7	146.1	176.3	238.9	322.9	402.5	1580.5	2124.7	2234.0	2068.1	1476.1
80°	107.6	114.8	131.8	174.1	229.0	215.3	538.7	962.7	1025.8	860.5	474.5
82.5°	93.4	96.1	94.5	118.1	152.1	125.8	176.8	355.3	392.1	284.5	154.9
85°	67.5	75.2	78.5	73.0	80.7	63.7	72.5	125.8	138.4	123.6	87.3
87.5°	27.5	40.6	50.0	47.2	29.7	18.1	22.5	36.8	42.3	46.1	28.6
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°	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3
2.5°	1160.4	1164.2	1167.0	1170.2	1172.4	1175.7	1182.3	1186.2	1186.7	1189.5	1188.9
5°	1170.8	1176.3	1182.3	1191.1	1201.0	1209.2	1221.9	1230.7	1233.9	1236.7	1236.1
7.5°	1193.3	1201.0	1212.0	1227.4	1241.6	1252.6	1268.0	1278.4	1288.9	1292.7	1293.3
10°	1226.8	1237.8	1253.7	1274.6	1290.0	1304.2	1320.2	1329.0	1339.4	1343.8	1346.0
12.5°	1268.5	1280.1	1300.9	1330.1	1344.3	1354.2	1359.7	1357.5	1359.7	1363.6	1364.6
15°	1316.3	1329.0	1352.6	1383.9	1393.8	1385.0	1372.9	1361.9	1360.3	1361.4	1365.2
17.5°	1372.9	1382.2	1409.7	1436.0	1428.9	1392.7	1366.3	1348.7	1339.9	1337.2	1341.0
20°	1452.0	1452.0	1474.5	1491.0	1443.2	1381.7	1340.5	1311.9	1293.8	1286.1	1284.5
22.5°	1548.1	1539.3	1553.6	1542.0	1440.4	1350.9	1293.8	1244.4	1216.9	1205.9	1204.3
25°	1670.0	1659.5	1655.7	1584.3	1420.7	1302.0	1209.2	1149.4	1125.2	1119.2	1120.3
27.5°	1853.9	1827.6	1777.6	1607.4	1384.4	1225.2	1110.4	1054.9	1041.2	1041.7	1043.4
30°	2098.9	2046.1	1923.7	1611.2	1325.1	1116.4	1009.3	969.8	963.2	966.0	975.3
32.5°	2325.7	2275.7	2073.1	1593.6	1233.9	1009.9	918.7	892.4	882.5	885.8	890.2
35°	2503.6	2489.9	2211.4	1568.9	1121.9	909.9	837.5	814.9	795.7	791.3	794.6
37.5°	2671.6	2666.1	2315.2	1534.3	1011.0	839.1	772.1	742.5	714.4	699.1	699.6
40°	2856.2	2850.7	2383.3	1481.1	912.7	777.6	713.4	674.4	639.8	611.8	614.5
42.5°	3063.7	3031.3	2415.7	1404.7	829.2	725.4	665.6	612.9	567.3	541.5	543.1
45°	3290.5	3217.5	2415.2	1307.5	758.9	677.7	614.5	539.8	497.5	473.4	472.3
47.5°	3531.1	3395.4	2385.5	1199.9	690.8	624.9	535.4	478.3	450.3	435.5	432.2
50°	3779.3	3561.8	2335.0	1076.3	621.1	565.1	486.0	447.0	425.6	411.9	406.9
52.5°	4012.7	3712.8	2274.0	936.3	550.3	506.9	464.0	433.8	411.3	395.9	389.4
55°	4229.6	3843.0	2187.8	793.0	492.6	467.9	453.6	428.3	402.5	384.4	377.3
57.5°	4422.3	3927.6	2039.0	658.4	451.4	441.0	442.6	419.0	389.4	374.0	364.1
60°	4582.7	3989.6	1818.8	533.8	417.9	414.6	425.6	401.4	366.8	349.3	341.6
62.5°	4678.8	3988.5	1548.6	437.1	389.4	390.4	403.1	379.5	344.3	327.8	322.9
65°	4670.6	3890.8	1252.1	374.0	361.9	363.0	379.5	355.3	325.6	315.8	315.2
67.5°	4505.3	3652.4	960.5	332.8	331.7	336.6	355.9	338.8	314.1	313.0	314.7
70°	4057.7	3157.6	691.9	299.8	300.4	307.5	332.8	328.4	308.1	310.3	309.7
72.5°	3253.7	2407.5	464.6	265.2	265.8	277.3	310.8	320.2	302.0	331.1	335.5
75°	2167.0	1501.4	298.7	228.4	229.0	243.8	291.6	304.2	285.6	330.0	332.8
77.5°	1041.2	674.9	216.4	192.2	192.2	205.9	252.1	272.4	243.3	256.5	235.0
80°	359.7	253.7	170.2	154.9	151.6	160.9	212.5	236.1	209.8	193.3	181.2
82.5°	141.7	131.8	136.7	120.3	109.3	115.3	165.3	194.9	154.3	139.5	138.9
85°	81.3	85.7	96.7	79.6	63.2	70.8	121.4	140.0	116.4	102.7	104.9
87.5°	22.0	30.2	44.5	41.2	28.6	30.2	57.7	77.4	67.0	51.6	53.3
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)